Yahoo Group Archive: orion565 (2009 — 2013)

Yahoo Group summary: Ten-Tec Orion 565/566

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2017. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2009-01-01 through 2013-12-31

Source WARC: orion565.6AUSuci.warc.gz

Source item: https://archive.org/details/yahoo-groups-2017-05-09T20-45-39Z-5e318c

Messages included in this PDF: 4949

Messages omitted as spam from this PDF: 209

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

4632. Re: Orion II ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-01 00:37:32 UTC
From: reinaldoleandro
Topic: 4621 Message: 4632

Dear Tom N6AJR and Jerry KG6TT

Thanks for the answers to my question.
Yes, I too do not use the ALC on my amplifiers, maybe last time was briefly in the early 70s when I assembled my first Heathkit SB220, just to play on the safe side.
Now I have a couple of Alpha 87A, they need between 45-55 watts input for 1.5 Kw out, and they are able to protect themselves shutting down if there is excessive grid current. I have also a couple of 3KA and they can handle anything you throw at them. The Expert 1K-FA is also capable of self protection in case of to much exciter power.
The reason for my question is because the Expert and MFJ antenna tuner were acquired to be use on temporary operations like IOTA or DXpedition with less than perfect antennas and operators no familiar with the equipment. The Expert requires just 18-22 watts to full power and the MFJ antenna tuner warns not to use more than 25 watts when automatically searching for a match.
Any way the question is mostly academic, I do not beleive there is a need to carry the Orion II around, unless we go again to Aves YV0.
Incidentally Jerry, the 1K-FA is a very nice little amplifier. I bought mine in Rome last November and hand carried it by Dubrovnik, Frankfurt, Madrid and Caracas.
I visit the factory in Rome, they handle a very nice and small operation, each amplifier is thoroughly tested before shipment and the staff and owner very enthusiastic on their job.
Thanks again and wishing a Happy New Year to all.
73

Reinaldo YV5AMH

4633. Re: Orion and h.w. modification to support release 2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-01 22:09:39 UTC
From: pa1ap
Topic: 4625 Message: 4633

Greetings Duane,

Thanks for your reply! got another confirmation from the fine people from tentect service and indeed the hw modification will be detected automatically by the orion and when you keep pressing the menu button it will include a line to confirm this! thats pretty impressive imho.

the big question is then if release 1 as many of you seem to prefer will work with this modification in place or visa versa if release 2 software will work as designed without the modification :-)

looking at the ling list of fixes they included in release 2 it feels like release 2 is better to use. But my preception might not match reality due to lack of experience on the rig itself.

Counting the days until the unit is in the shack... mean while working and preparing some new antenna's although the time of year isnt really the best to pick (i can see people iceskating looking from my shack)....

Thanks and best regards,
Onno, pa1ap

--- In orion565@yahoogroups.com, "Duane Calvin" <ac5aa1@...> wrote:
>
> Hello Onno,
> I could give you the definitive answer if I were in front of my Orion at
> the moment, but if I remember correctly, if the Ver 2 hardware mod has been
> installed there is a single line of text that appears on the screen
> indicating that it has. I belivee it requires Version 2.x firmware to
> provide the message.
> I don't believe there is agreement here on the reflector, but I remember
> my Orion seemed to suffer less firmware issues with the Ver 2 HW mod applied
> and running Ver 1.x firmware. It could be my imagination.
>
> 73, Duane AC5AA
>
>
> On Tue, Dec 30, 2008 at 7:43 AM, Barry N1EU <barry.n1eu@...> wrote:
>
> > On Tue, Dec 30, 2008 at 8:17 AM, pa1ap <pa1ap@...> wrote:

> > > thanks in advance for your experience and advice!
> > >
> >
> > Onno, my advice is to relax and wait till you have the radio. You
> > should try v1 and v2 firmware to see if you even want to run the
v2
> > firmware. If you decide, as many of us old-time Orion users,
that you
> > prefer v1 firmware then it will be a moot issue whether the v2
> > hardware mod was done or not.
> >
> > The earliest that the v2 mod would have been incorporated into
> > production Orions is August 2005, although it might actually have
been
> > a month or two later. So your serial number would have to either
end
> > in a 6 or end in a 5 with the first digits in the range of 8-12.
> >
> > Congrats on the new radio!
> >
> > 73/HNY,
> > Barry N1EU
> >
> > ------------------------------------
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> > Yahoo! Groups Links
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>
> [Non-text portions of this message have been removed]
>

4634. Re: [orion565] Re: Orion and h.w. modification to support release 2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-01 22:25:00 UTC
From: Barry N1EU
Topic: 4625 Message: 4634

On Thu, Jan 1, 2009 at 10:09 PM, pa1ap <pa1ap@...> wrote:
> the big question is then if release 1 as many of you seem to prefer
> will work with this modification in place or visa versa if release 2
> software will work as designed without the modification :-)

Yes, release 1 works fine even if v2 mod has been done. And the v1
sweep still works (I just turned the sweep on for the first time in
about 3 years to confirm this).

> looking at the long list of fixes they included in release 2 it feels
> like release 2 is better to use.

Yeah, I guess it depends on how you define "fixes" and "better". I
like "unfixed" better .

73/HNY,
Barry N1EU

4635. WTB Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-01 23:05:24 UTC
From: w3qj37
Topic: 4635 Message: 4635

Want to buy Orion II. All offers graciously considered. If you are considering selling yours, please consider contacting me @ 214-298-2768, or email tlp1@.... I'm hoping anyone that considers contacting me about selling theirs wouldn't mind emailing me some clear pictures, and mind telling me a little about the radio, such as 1st, 2nd, 3rd...ownership, how old it is etc. I'm not in the radio resale business, just an individual looking for a fair deal on an Orion II. I prefer to pay with pay pal, but will consider other methods of payment to meet sellers requirements. Please consider contacting me if you have one to sell.

Many thanks to the group owner for letting me post this and all who take time to read it.

All the best,

Terry-W3QJ

4636. Re: [orion565] Re: Orion and h.w. modification to support release 2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-01 23:15:05 UTC
From: Peter Frenning [OZ1PIF]
Topic: 4625 Message: 4636

pa1ap skrev:
> Greetings Duane,
>
> Thanks for your reply! got another confirmation from the fine people
> from tentect service and indeed the hw modification will be detected
> automatically by the orion and when you keep pressing the menu button
> it will include a line to confirm this! thats pretty impressive imho.
>
> the big question is then if release 1 as many of you seem to prefer
> will work with this modification in place or visa versa if release 2
> software will work as designed without the modification :-)
>
> looking at the ling list of fixes they included in release 2 it feels
> like release 2 is better to use. But my preception might not match
> reality due to lack of experience on the rig itself.
>
> Counting the days until the unit is in the shack... mean while
> working and preparing some new antenna's although the time of year
> isnt really the best to pick (i can see people iceskating looking
> from my shack)....
>
> Thanks and best regards,
> Onno, pa1ap
>
>
Tnx for the info Onno, I now have confirmation that mine will arrive on
monday, I too am counting days, hours, minutes ... well you get the idea.

Hny to you and all the other Orion owners out there.

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

4637. Re: [orion565] Re: Orion and h.w. modification to support release 2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-02 04:54:50 UTC
From: Duane Calvin
Topic: 4625 Message: 4637

Hello Onno,

I would suggest, if your Orion has the Version 2 hardware modification done on it, I would start with the version 2.xx (latest level) firmware. For the most part, it works very well. There are some changes made in it that you may not like - for example, the AGC was moved outside of the IF chain, such that when you use noise suppression, or auto notch, the removed signals will still kick your AGC up. In Version 1 firmware, this worked as you would expect, with the AGC unaffected by the removed signal. However, Version 1 had issues where if you ran the 'sweep" along with any of the other DSP features, it could cause the radio to "hang" and you had to cycle the power to restore operation. It seemed to me once the version 2 hardware mode was on the radio, the instances of hangs dropped considerably.

I hope you enjoy your Orion - I've had mine for a few years now, and I really like it.

Best wishes to you and your family in 2009!

73, Duane AC5AA

On Thu, Jan 1, 2009 at 4:09 PM, pa1ap <pa1ap@...> wrote:

> Greetings Duane,
>
> Thanks for your reply! got another confirmation from the fine people
> from tentect service and indeed the hw modification will be detected
> automatically by the orion and when you keep pressing the menu button
> it will include a line to confirm this! thats pretty impressive imho.
>
> the big question is then if release 1 as many of you seem to prefer
> will work with this modification in place or visa versa if release 2
> software will work as designed without the modification :-)
>
> looking at the ling list of fixes they included in release 2 it feels
> like release 2 is better to use. But my preception might not match
> reality due to lack of experience on the rig itself.
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> Counting the days until the unit is in the shack... mean while
> working and preparing some new antenna's although the time of year
> isnt really the best to pick (i can see people iceskating looking
> from my shack)....
>
> Thanks and best regards,
> Onno, pa1ap
>

>
> --- In orion565@yahoogroups.com, "Duane Calvin" <ac5aa1@...> wrote:
> >
> > Hello Onno,
> > I could give you the definitive answer if I were in front of my
> Orion at
> > the moment, but if I remember correctly, if the Ver 2 hardware mod
> has been
> > installed there is a single line of text that appears on the screen
> > indicating that it has. I belivee it requires Version 2.x firmware
> to
> > provide the message.
> > I don't believe there is agreement here on the reflector, but I
> remember
> > my Orion seemed to suffer less firmware issues with the Ver 2 HW
> mod applied
> > and running Ver 1.x firmware. It could be my imagination.
> >
> > 73, Duane AC5AA
> >
> >
> > On Tue, Dec 30, 2008 at 7:43 AM, Barry N1EU <barry.n1eu@...> wrote:
> >
> > > On Tue, Dec 30, 2008 at 8:17 AM, pa1ap <pa1ap@...> wrote:
> > > > thanks in advance for your experience and advice!
> > > >
> > >
> > > Onno, my advice is to relax and wait till you have the radio. You
> > > should try v1 and v2 firmware to see if you even want to run the
> v2
> > > firmware. If you decide, as many of us old-time Orion users,
> that you
> > > prefer v1 firmware then it will be a moot issue whether the v2
> > > hardware mod was done or not.
> > >
> > > The earliest that the v2 mod would have been incorporated into
> > > production Orions is August 2005, although it might actually have
> been
> > > a month or two later. So your serial number would have to either
> end
> > > in a 6 or end in a 5 with the first digits in the range of 8-12.
> > >
> > > Congrats on the new radio!
> > >
> > > 73/HNY,
> > > Barry N1EU
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> > > Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4638. Will be a new Orion 2 user on 5 January 2009...

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-02 20:08:22 UTC
From: kbpaxson
Topic: 4638 Message: 4638

I too am awaiting delivery of my new Orion 2... It currently rests in Dallas for a Monday delivery here to north Houston... I have been reading past posts in order to see what to expect... Now if only the sunspots ould kick up... Kevin - ni5o

4639. Re: Will be a new Orion 2 user on 5 January 2009...

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-03 01:52:42 UTC
From: Brad
Topic: 4638 Message: 4639

Forget the sunspots...get on and work the low bands. You'll be
surprised what you can hear with the Orion.

--- In orion565@yahoogroups.com, "kbpaxson" <kbpaxson@...> wrote:
>
> I too am awaiting delivery of my new Orion 2... It currently rests in
> Dallas for a Monday delivery here to north Houston... I have been
> reading past posts in order to see what to expect... Now if only the
> sunspots ould kick up... Kevin - ni5o
>

4640. sales??

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-03 02:37:22 UTC
From: Bill Leal
Topic: 4640 Message: 4640

Just wondering if anybody has a guess as to the sales of various ham radio HF transceiver? Any guess as to the # of Orion 2's having been sold to date? How about the Yaesu FT-2000 or the Icom IC-756Pro3???

[Non-text portions of this message have been removed]

4641. Re: [orion565] Will be a new Orion 2 user on 5 January 2009...

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-03 07:22:31 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 4638 Message: 4641

Kevin, I got my ORION II to ragchew, and also as an experiment. I was all set to purchase an ICOM 7800, but a friend talked me into "trying" this ORION II for a month for free, then sending it back and getting the ICOM. Well, I got the Oii and haven't looked back. ICOM can keep their 7800, in 33 years of being in the hobby, this Oii is the nicest radio I've ever owned. It's like listening to FM Quality audio on SSB and it can do everything the 7800 can do and it's quieter.

The radio my ORION II replaces is an ICOM 756pro, and I haven't turned it on since the day I got my Oii. I think you will enjoy yours whether the sunspots are up or down.

73,

Sam
K3SAM

From: kbpaxson <kbpaxson@...>
To: orion565@yahoogroups.com
Sent: Friday, January 2, 2009 3:08:22 PM
Subject: [orion565] Will be a new Orion 2 user on 5 January 2009...

I too am awaiting delivery of my new Orion 2... It currently rests in
Dallas for a Monday delivery here to north Houston... I have been
reading past posts in order to see what to expect... Now if only the
sunspots ould kick up... Kevin - ni5o

[Non-text portions of this message have been removed]

4642. Re: [orion565] sales??

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-03 12:06:39 UTC
From: Barry N1EU
Topic: 4640 Message: 4642

My wild-a$$ guess would be 2000 O's, 2000 O2's, 2500 K3's, 7500 FT2K's, 10000 Pro3's. The Elecraft number is accurate, the others could be WAY off.

73,
Barry N1EU

On Sat, Jan 3, 2009 at 2:37 AM, Bill Leal <ve3es@...> wrote:
> Just wondering if anybody has a guess as to the sales of various ham radio
> HF transceiver? Any guess as to the # of Orion 2's having been sold to
> date? How about the Yaesu FT-2000 or the Icom IC-756Pro3???
>
> [Non-text portions of this message have been removed]
>
>

4643. Re: [orion565] Re: Orion and h.w. modification to support release 2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-02 19:31:39 UTC
From: Martin Ewing
Topic: 4625 Message: 4643

One nasty feature of the "v2 hardware update" came back to bite me recently. The LCD contrast defaults (e.g., after a Reset) to a near-zero contrast mode -- especially when my rig is cold. And of course you have to use the screen menus to go in and adjust the contrast! On my rig, I need to use about 30%.

So either you heat up the rig, or you have to stare *very* carefully at a nearly blank white screen to get the rig usable after a Master Reset.

And a happy new year greeting!

--
Martin Ewing, AA6E
Branford, CT

[Non-text portions of this message have been removed]

4644. Re: [orion565] sales??

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-03 15:05:58 UTC
From: Martin Ewing
Topic: 4640 Message: 4644

Maybe your W.A.G. is better than mine, but in general, data is worth what
you pay for it. I imagine even the manufacturers don't know about their
competitors with certainty, although dealers would have some of the figures.

This is something ARRL or some other recognized body could do -- a
(moderately) scientific survey of how many rigs are out there of various
types.

73 Martin AA6E

On Sat, Jan 3, 2009 at 7:06 AM, Barry N1EU <barry.n1eu@...> wrote:

> My wild-a$$ guess would be 2000 O's, 2000 O2's, 2500 K3's, 7500
> FT2K's, 10000 Pro3's. The Elecraft number is accurate, the others
> could be WAY off.
>
> 73,
> Barry N1EU
>
> On Sat, Jan 3, 2009 at 2:37 AM, Bill Leal <ve3es@...> wrote:
> > Just wondering if anybody has a guess as to the sales of various ham
> radio
> > HF transceiver? Any guess as to the # of Orion 2's having been sold to
> > date? How about the Yaesu FT-2000 or the Icom IC-756Pro3???
> >
> > [Non-text portions of this message have been removed]
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--
Martin Ewing, AA6E
Branford, CT

[Non-text portions of this message have been removed]

4645. RE: [orion565] Re: Orion and h.w. modification to support release 2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-03 15:27:40 UTC
From: John T. Fleming
Topic: 4625 Message: 4645

Martin,

From experience, open your rig again and spray all of the connectors for the CPU and display board. I had trouble with my display and Ten-Tec "fixed" the problem by replacing the display pot. But it came back. It was not until I went after the RIT/XIT problem and found the connectors to be the problem did I learn to spray them. Also while you have the bottom off the rig, set the display to 50% and then adjust the pot behind the main tuning knob. It is similar to the mike gain pot in mounting method, but there is no hole in the case to get to it with out removing the bottom.

73,

John

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Martin Ewing
Sent: Friday, January 02, 2009 2:32 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Orion and h.w. modification to support release 2

One nasty feature of the "v2 hardware update" came back to bite me recently. The LCD contrast defaults (e.g., after a Reset) to a near-zero contrast mode -- especially when my rig is cold. And of course you have to use the screen menus to go in and adjust the contrast! On my rig, I need to use about 30%.

So either you heat up the rig, or you have to stare *very* carefully at a nearly blank white screen to get the rig usable after a Master Reset.

And a happy new year greeting!

--
Martin Ewing, AA6E
Branford, CT

[Non-text portions of this message have been removed]

4646. Re: [orion565] Re: Orion and h.w. modification to support release 2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-03 15:14:50 UTC
From: Alan Sewell N5NA
Topic: 4625 Message: 4646

Martin,

There is an internal contrast control you can adjust. Please see
http://tentecwiki.org/doku.php?id=565contrast .

73,

Alan N5NA

http://www.tentecwiki.org

Martin Ewing wrote:
> One nasty feature of the "v2 hardware update" came back to bite me
> recently. The LCD contrast defaults (e.g., after a Reset) to a near-zero
> contrast mode -- especially when my rig is cold. And of course you have to
> use the screen menus to go in and adjust the contrast! On my rig, I need to
> use about 30%.
>
> So either you heat up the rig, or you have to stare *very* carefully at a
> nearly blank white screen to get the rig usable after a Master Reset.
>
> And a happy new year greeting!
>
>

4647. Orion I issue

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-04 19:54:02 UTC
From: i6qfz
Topic: 4647 Message: 4647

Hello

Maybe someone in this group can help.
I have a Orion I with a little issue , i think.
In the 40 meters band the band sweep scope display only big signals.
This happens only in this band and in any case the reception is ok.
Any suggestions ?
Thanks
Franco I6QFZ

4648. Managing Orion 565 using Linux (Ubuntu)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-04 23:16:22 UTC
From: pa1ap
Topic: 4648 Message: 4648

Greetings,

Wondering if anybody can provide some experience / guidance on linux applications which can work with the Orion? I am looking for logging, content and perhaps control applications.

Thanks and best regards,

Onno, pa1ap

4649. Re: [orion565] Managing Orion 565 using Linux (Ubuntu)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-05 02:11:57 UTC
From: Martin Ewing
Topic: 4648 Message: 4649

Onno,

Check out hamlib.org for a rig interface layer. I use it with xlog, fldigi, and several small Python apps that I wrote. (www.aa6e.net/software) Also check http://radio.linux.org.au/ .

What distro are you using? Some of these are distributed through the repositories.

73, Martin AA6E

On Sun, Jan 4, 2009 at 6:16 PM, pa1ap <pa1ap@...> wrote:

> Greetings,
>
> Wondering if anybody can provide some experience / guidance on linux
> applications which can work with the Orion? I am looking for logging,
> content and perhaps control applications.
>
> Thanks and best regards,
>
> Onno, pa1ap
>
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--
Martin Ewing, AA6E
Branford, CT

[Non-text portions of this message have been removed]

4650. Re: Managing Orion 565 using Linux (Ubuntu)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-05 06:41:27 UTC
From: Joe
Topic: 4648 Message: 4650

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings,
>
> Wondering if anybody can provide some experience / guidance on linux
> applications which can work with the Orion? I am looking for logging,
> content and perhaps control applications.
>
> Thanks and best regards,
;>
> Onno, pa1ap
>
Go to Ham-radio-deluxe.com as his program is available to run on
Ubuntu and it has all you need. Orion control/log/psk/rtty, etc.
73's Joe KX4JR

4651. Re: [orion565] Managing Orion 565 using Linux (Ubuntu)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-05 07:16:23 UTC
From: Peter Frenning [OZ1PIF]
Topic: 4648 Message: 4651

pa1ap skrev:
> Greetings,
>
> Wondering if anybody can provide some experience / guidance on linux
> applications which can work with the Orion? I am looking for logging,
> content and perhaps control applications.
>
> Thanks and best regards,
>
> Onno, pa1ap
>
As am I (today is scheduled to be 0-day = arrival of my shiny new O2)

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

4652. Re: Managing Orion 565 using Linux (Ubuntu)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-05 07:23:10 UTC
From: pa1ap
Topic: 4648 Message: 4652

Congrats Peter!!! We should skedule a sked someday... Enjoy
exploring... still 2 weeks to go on my side. Best regards, Onno

--- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@...>
wrote:
>
> pa1ap skrev:
> > Greetings,
> >
> > Wondering if anybody can provide some experience / guidance on linux
> > applications which can work with the Orion? I am looking for logging,
> > content and perhaps control applications.
> >
> > Thanks and best regards,
> >
> > Onno, pa1ap
> >
> As am I (today is scheduled to be O-day = arrival of my shiny new O2)
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> ** CW: Who? Me? You must be joking!! **
> email: peter(no-spam-filler)@...
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **********
>

4653. Re: [orion565] Re: Managing Orion 565 using Linux (Ubuntu)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-05 07:28:24 UTC
From: Peter Frenning [OZ1PIF]
Topic: 4648 Message: 4653

Joe skrev:
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings,
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> Wondering if anybody can provide some experience / guidance on linux
> applications which can work with the Orion? I am looking for logging,
> content and perhaps control applications.
>
> Thanks and best regards,
>
> Onno, pa1ap
>
Go to Ham-radio-deluxe.com as his program is available to run on
Ubuntu and it has all you need. Orion control/log/psk/rtty, etc.
73's Joe KX4JR

>
>
>
That, unfortunately, is not correct information, to quote from the HRD
homepage:

Free Amateur Radio Software for Windows

Ham Radio Deluxe (HRD) is a suite of free Windows programs providing
computer control for commonly used transceivers and receivers. HRD also
includes mapping, satellite tracking and the digital mode program
Digital Master 780 (DM780)
<http://www.ham-radio-deluxe.com/LinkClick.aspx?link=89&tabid=36>

Bummer!

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark

****

[Non-text portions of this message have been removed]

4654. Re: [orion565] Re: Managing Orion 565 using Linux (Ubuntu)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-05 07:29:48 UTC
From: Peter Frenning [OZ1PIF]
Topic: 4648 Message: 4654

pa1ap skrev:
> Congrats Peter!!! We should skedule a sked someday... Enjoy
> exploring... still 2 weeks to go on my side. Best regards, Onno
>
Absolutely Onno - just say the word....

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

4655. Re: Managing Orion 565 using Linux (Ubuntu)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-05 08:15:26 UTC
From: pa1ap
Topic: 4648 Message: 4655

I am installing qemu which is an application allowing windows to be
run within Ubuntu.... This will allow me to run windows applications
on top of Ubuntu. Not the best solution though...

anyway, trying the other tools as suggested by Martin.

Best regards,
Onno

--- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@...>
wrote:
>
> Joe skrev:
> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@>
wrote:
>
> Greetings,
>
>
Wondering if anybody can provide some experience / guidance on
linux
> applications which can work with the Orion? I am
looking for logging,
> content and perhaps control
applications.
>
> Thanks and best
regards,
>
> Onno, pa1ap
>
Go to
Ham-radio-deluxe.com as his program is available to run
on
Ubuntu and it has all you need. Orion
control/log/psk/rtty, etc.
73's Joe KX4JR

> >
> >
> >
> That, unfortunately, is not correct information, to quote from the HRD
> homepage:
> ----------------
> Free Amateur Radio Software for Windows
>

> Ham Radio Deluxe (HRD) is a suite of free Windows programs providing
> computer control for commonly used transceivers and receivers. HRD also
> includes mapping, satellite tracking and the digital mode program
> Digital Master 780 (DM780)
> <http://www.ham-radio-deluxe.com/LinkClick.aspx?link=89&tabid=36>
>
> ----------------
> Bummer!
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> ** CW: Who? Me? You must be joking!! **
> email: peter(no-spam-filler)@...
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **********
>
>
>
>
> [Non-text portions of this message have been removed]
>

4656. Re: [orion565] Re: Managing Orion 565 using Linux (Ubuntu)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-05 08:20:43 UTC
From: Peter Frenning [OZ1PIF]
Topic: 4648 Message: 4656

pa1ap skrev:
> I am installing qemu which is an application allowing windows to be
> run within Ubuntu.... This will allow me to run windows applications
> on top of Ubuntu. Not the best solution though...
>
> anyway, trying the other tools as suggested by Martin.
>
> Best regards,
> Onno
>
Onno you also owe yourself trying Sun xVM (formerly known as VirtualBox)
easy to set up and to get to work - only drawback is that USB seems to
be broken under Intrepid Ibex...

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

4657. Re: [orion565] Managing Orion 565 using Linux (Ubuntu)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-05 10:37:06 UTC
From: Martin
Topic: 4648 Message: 4657

Onno,

try CQRLOG, it is an advanced logger with a lot of bells & whistles.

http://www.cqrlog.com

73,
Martin, OK1RR

pa1ap napsal(a):
> Greetings,
>
> Wondering if anybody can provide some experience / guidance on linux
> applications which can work with the Orion? I am looking for logging,
> content and perhaps control applications.
>
> Thanks and best regards,
>
> Onno, pa1ap
>
>

4658. Re: [orion565] Managing Orion 565 using Linux (Ubuntu)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-05 12:09:34 UTC
From: Peter Frenning [OZ1PIF]
Topic: 4648 Message: 4658

Martin skrev:
> Onno,
>
> try CQRLOG, it is an advanced logger with a lot of bells & whistles.
>
> http://www.cqrlog.com
>
I have downloaded and installed it without problems on Ubuntu 8.10.
I can't seem to register on the website (to participate in forums etc)

When trying to import an ADIF file with all my existing QSOs (from
VQLog) almost 1000 QSOs are sent to the errorlog.
One problem I recognize is the recognition of the JT6M, JT65A, JT65B,
JT65C, FSK441 and WSPR modes (all supported by the WSJT SW)

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

4659. Re: [orion565] Managing Orion 565 using Linux (Ubuntu)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-05 12:16:11 UTC
From: Peter Frenning [OZ1PIF]
Topic: 4648 Message: 4659

Peter Frenning [OZ1PIF] skrev:
> Martin skrev:
>
>> Onno,
>>
>> try CQRLOG, it is an advanced logger with a lot of bells & whistles.
>>
>> http://www.cqrlog.com
>>
>>
> I have downloaded and installed it without problems on Ubuntu 8.10.
> I can't seem to register on the website (to participate in forums etc)
>
> When trying to import an ADIF file with all my existing QSOs (from
> VQLog) almost 1000 QSOs are sent to the errorlog.
> One problem I recognize is the recognition of the JT6M, JT65A, JT65B,
> JT65C, FSK441 and WSPR modes (all supported by the WSJT SW)
>
>
I am now confirmed as a user at the WEBsite, it was just a Looong delay
getting a reply via email...

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

4660. Visual representation of Orion AGC function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-06 09:52:57 UTC
From: pa1ap
Topic: 4660 Message: 4660

Greetings group!

Browsing through the messages in this group there were several discussions on how the orion AGC works. I believe i am starting to understand the principle.

I am curious if someone made a visual representation of the AGC function, its behavior, the relationship between AGC elements and possibly their dependency?

I sure hope you will not hammer down the discussion on this as I truely would like to learn and perhaps consolidate thoughts into an easy to understand picture. I have uploaded a draft picture into the photo & Miscellaneous section called "Draft visual representation Orion AGC".

My assumption & current understanding:
Picture 1 represents the AGC funtion at high level. It has two elements; dsp agc and hw agc. Within dsp agc the threshold determines the lowest value where agc will start and also the lowest value of the rf gain dial. Put threshold at lowest value; large coverage for rf gain dial. Other way around, put threshold at high value: smaller coverage of rf gain dial.

Picture 2 represents IF gain versus AGC. The knee is determined by threshold and the slope is determined by decay.

Picture 3 I just rotated picture 2 and put some signal into the graph. Signals below the threshold are uncompressed (original) and above threshold compressed by AGC at a speed determined by Decay.

I would really appreciate the groups advice and experience and hope we can arrive at valuable conclusions!

Thanks and regards,
Onno, pa1ap

4661. Re: [orion565] Visual representation of Orion AGC function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-06 11:31:50 UTC
From: Barry N1EU
Topic: 4660 Message: 4661

On Tue, Jan 6, 2009 at 9:52 AM, pa1ap <pa1ap@...> wrote:
>
> Greetings group!
>
> Browsing through the messages in this group there were several
> discussions on how the orion AGC works. I believe i am starting to
> understand the principle.

What version of firmware are you talking about? The AGC works completely differently between early v1, late v1, and v2 firmware and therefore so does adjustment technique in the three different cases.

73,
Barry N1EU

4662. Re: Visual representation of Orion AGC function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-06 11:58:20 UTC
From: pa1ap
Topic: 4660 Message: 4662

Greetings Barry,

I guess latest v1 and v2 code. Would be good to understand both and the differences between them... I guess the tentec manual covers v2 code and this is what i took as the reference for the sketches I uploaded into the photo section.

By the way, i realize i did not include "hang" time into the drawings. Eating the elephant in small chunks :-)

Best regards,
Onno

--- In orion565@yahoogroups.com, "Barry N1EU" <barry.n1eu@...> wrote:
>
> On Tue, Jan 6, 2009 at 9:52 AM, pa1ap <pa1ap@...> wrote:
> >
> > Greetings group!
> >
> > Browsing through the messages in this group there were several
> > discussions on how the orion AGC works. I believe i am starting to
> > understand the principle.
>
> What version of firmware are you talking about? The AGC works
> completely differently between early v1, late v1, and v2 firmware
and
> therefore so does adjustment technique in the three different cases.
>
> 73,
> Barry N1EU
>

4663. upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-06 13:30:01 UTC
From: jim jim
Topic: 4663 Message: 4663

I just purchased an original Orion. It is running ver. 2.067a firmware
Is this the best to run and the most stable or should I upgrade to a
later version
Thanks
sv7boy jim

Χρησιμοποιείτε Yahoo!;
Βαρεθήκατε τα ενοχλητικά μηνύματα (spam); Το Yahoo! Mail
διαθέτει την καλύτερη δυνατή προστασία κατά των ενοχλητικών
μηνυμάτων http://login.yahoo.com/config/mail?.intl=gr

[Non-text portions of this message have been removed]

4664. Re: [orion565] upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-06 13:58:47 UTC
From: bob finger
Topic: 4663 Message: 4664

Many of us feel strongly that 1.372 or 1.373b5 (not availble thru TT) are the most stable and useable firmware versions. Search the archives and you will learn much about the various versions. Me, I use 1.373b5 and spend 99% of my radio time on cw chasing dx or contesting.

It depends on how you want to use the radio and what you want it to do for you. The good news is you have choices. The bad news is you need to know what you want the radio to do to choose. Perhaps you want to try several and see which is best for your application. 73 bob de w9ge

jim jim wrote:

> I just purchased an original Orion. It is running ver.? 2.067a firmware
> Is this the best to run and the most stable or should I upgrade to a
> later version
> Thanks
> sv7boy jim
>
>
>
>

4665. Re: [orion565] upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-06 14:08:30 UTC
From: Barry N1EU
Topic: 4663 Message: 4665

2009/1/6 jim jim <sv7boy@...>:
> Is this the best to run and the most stable or should I upgrade to a
> later version

I think the question is whether you should upgrade to an earlier version.

73,
Barry N1EU

4666. Re: upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-06 14:50:16 UTC
From: pa1ap
Topic: 4663 Message: 4666

Would it be a good idea to upload some of the "good but older" firmware releases? Even if I want to downgrade the unit I wont be able to do so through the official tentec website... Or did I overlook something?

Thanks and regards,
Onno

--- In orion565@yahoogroups.com, "Barry N1EU" <barry.n1eu@...> wrote:
>
> 2009/1/6 jim jim <sv7boy@...>:
> > Is this the best to run and the most stable or should I upgrade to a
> > later version
>
> I think the question is whether you should upgrade to an earlier version.
>
> 73,
> Barry N1EU
>

4667. Re: [orion565] Re: upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-06 15:04:47 UTC
From: Barry N1EU
Topic: 4663 Message: 4667

All the firmware is available at http://tentecwiki.org/doku.php?id=orionfw

On Tue, Jan 6, 2009 at 9:50 AM, pa1ap <pa1ap@...> wrote:
> Would it be a good idea to upload some of the "good but older" firmware
> releases? Even if I want to downgrade the unit I wont be able to do so
> through the official tentec website... Or did I overlook something?
>
> Thanks and regards,
> Onno
>
> --- In orion565@yahoogroups.com, "Barry N1EU" <barry.n1eu@...> wrote:
>>
>> 2009/1/6 jim jim <sv7boy@...>:
>
>> > Is this the best to run and the most stable or should I upgrade to a
>> > later version
>>
>> I think the question is whether you should upgrade to an earlier
> version.
>>
>> 73,
>> Barry N1EU
>>
>
>

4668. Re: upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-06 15:31:18 UTC
From: pa1ap
Topic: 4663 Message: 4668

Thanks a bunch Barry! Missed that link before. Boy i cant wait for
the unit to arrive :-) Best regards, Onno

--- In orion565@yahoogroups.com, "Barry N1EU" <barry.n1eu@...> wrote:
>
> All the firmware is available at http://tentecwiki.org/doku.php?
id=orionfw
>
> On Tue, Jan 6, 2009 at 9:50 AM, pa1ap <pa1ap@...> wrote:
> > Would it be a good idea to upload some of the "good but older"
firmware
> > releases? Even if I want to downgrade the unit I wont be able to
do so
> > through the official tentec website... Or did I overlook
something?
> >
> > Thanks and regards,
> > Onno
> >
> > --- In orion565@yahoogroups.com, "Barry N1EU" <barry.n1eu@> wrote:
> >>
> >> 2009/1/6 jim jim <sv7boy@>:
> >
> >> > Is this the best to run and the most stable or should I
upgrade to a
> >> > later version
> >>
> >> I think the question is whether you should upgrade to an earlier
> > version.
> >>
> >> 73,
> >> Barry N1EU
> >>
> >
> >
>

4669. Re: [orion565] Re: upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-06 17:13:08 UTC
From: Martin
Topic: 4663 Message: 4669

All firmware versions which I can collect within years is in the Orion corner of my web site. There is > 100 files in the Downloads -> Orion section.

http://www.ok1rr.com.

73,
Martin, OK1RR

pa1ap napsal(a):
> Would it be a good idea to upload some of the "good but older" firmware
> releases? Even if I want to downgrade the unit I wont be able to do so
> through the official tentec website... Or did I overlook something?
>
> Thanks and regards,
> Onno
>
>
>
> --- In orion565@yahoogroups.com, "Barry N1EU" <barry.n1eu@...> wrote:
>> 2009/1/6 jim jim <sv7boy@...>:
>>> Is this the best to run and the most stable or should I upgrade to a
>>> later version
>> I think the question is whether you should upgrade to an earlier
> version.
>> 73,
>> Barry N1EU
>>
>
>
>

4671. I'm in love already (was "Took the plunge...")

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-06 21:46:02 UTC
From: Peter Frenning [OZ1PIF]
Topic: 4671 Message: 4671

My shiny new Orion 2 arrived today, and I'm in love already!
Only complaint so far are the puny Send1 and Send2 memories - far to short for even a contest CQ, and I'm too lazy to use Send3 (needs to be reprogrammed after each off-on)
Maybe the SW guy at TT have fixed it in the upcoming release?

Incredible Rx audio (I'm mostly a phone guy + some Digital (WSJT, WSPR, PSK31 and RTTY)) and reports on Tx audio (I bought the 708A desk mike with it) excellent.

Spent about 12 hours with it today, trying out stuff, reading the manual and QSO'ing.

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

4672. Re: [orion565] I'm in love already (was "Took the plunge...")

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-06 22:08:50 UTC
From: k4elo@fastmail.fm
Topic: 4671 Message: 4672

It's a wonderful radio Peter. I know you will enjoy it!
73,
Wayne
K4ELO
k4elo@...

4673. ORION for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-07 15:05:18 UTC
From: loconut35
Topic: 4673 Message: 4673

I am selling one of my ORION 565's. See ebay item 150319462285. Any questions, please contact me off list. Thanks, Lynn, W2MSJ

4674. Re: I'm in love already (was "Took the plunge...")

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-07 20:25:11 UTC
From: Jerry Volpe
Topic: 4671 Message: 4674

I believe the newest firmware version for the Orion II has done well in testing and should be released perhaps by the end of next week(?), but schedules can slip. Anyway, once that version is successfully released Ten-Tec engineers (time allowing) will prepare/test the Orion 565 variation of this new firmware. Although the two transceivers are very, very, very, close kin to one another there are some differences from a firmware perspective.... so when that will be ready is still vague.

I used many variations of the Orion 565 firmware over the past three years... including 1.373B5 for a long time. Eventually I came back to the current version 2.062a for its overall stability improvements.... and I suppose from the knowledge that version 1.x whatever was a dead development branch and that all future work would be based on 2.062a. Are there differences? Yes, I think so. Are there 1.x versions that are superior to the current branch? Not to me. There are some aspects of 1.373B5 that I do like better, but conversely many more aspects of 2.062a that I miss when going backwards to 1.x.

Probably, the most important lesson for me as a now very 'happy' Orion owner was to finally appreciate that the Orion is NOT an Icom, or Kenwood, or Yaesu or Elecraft. To really appreciate it you must learn to drive it differently. For example, with the Orion there are real advantages to NOT running the RF Gain control wide open, but rather operate with the AF GAIN greatly advanced and adjust your listening level with the RF Gain instead. Once you hear a slight peak in the antenna noise you have obtained the 'sweet spot'.... the greatest possible signal-to-noise ratio... with this transceiver (talk to the engineers that built it and use it). Such is not always the case with more traditional transceiver designs. The Orion has a LOT of gain which can make it appear to be more noisy than those other rigs... but only if you drive it peddle to the metal! Learn to maneuver it around those hard corners and pick up speed on the straightaways and you leave the competition in the dust. :)

Have fun discovering probably one of the best transceivers ever designed.

73,
Jerry, KG6TT

4675. Re: [orion565] Re: I'm in love already (was "Took the plunge...")

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-07 20:40:39 UTC
From: Peter Frenning [OZ1PIF]
Topic: 4671 Message: 4675

Jerry Volpe skrev:
> I believe the newest firmware version for the Orion II has done well in
> testing and should be released perhaps by the end of next week(?), but
> schedules can slip. Anyway, once that version is successfully released
> Ten-Tec engineers (time allowing) will prepare/test the Orion 565
> variation of this new firmware. Although the two transceivers are very,
> very, very, close kin to one another there are some differences from a
> firmware perspective.... so when that will be ready is still vague.
>
> I used many variations of the Orion 565 firmware over the past three
> years... including 1.373B5 for a long time. Eventually I came back to
> the current version 2.062a for its overall stability improvements....
> and I suppose from the knowledge that version 1.x whatever was a dead
> development branch and that all future work would be based on 2.062a.
> Are there differences? Yes, I think so. Are there 1.x versions that are
> superior to the current branch? Not to me. There are some aspects of
> 1.373B5 that I do like better, but conversely many more aspects of
> 2.062a that I miss when going backwards to 1.x.
>
> Probably, the most important lesson for me as a now very 'happy' Orion
> owner was to finally appreciate that the Orion is NOT an Icom, or
> Kenwood, or Yaesu or Elecraft. To really appreciate it you must learn to
> drive it differently. For example, with the Orion there are real
> advantages to NOT running the RF Gain control wide open, but rather
> operate with the AF GAIN greatly advanced and adjust your listening
> level with the RF Gain instead. Once you hear a slight peak in the
> antenna noise you have obtained the 'sweet spot'.... the greatest
> possible signal-to-noise ratio... with this transceiver (talk to the
> engineers that built it and use it). Such is not always the case with
> more traditional transceiver designs. The Orion has a LOT of gain which
> can make it appear to be more noisy than those other rigs... but only if
> you drive it peddle to the metal! Learn to maneuver it around those hard
> corners and pick up speed on the straightaways and you leave the
> competition in the dust. :)
>
> Have fun discovering probably one of the best transceivers ever designed.
>
> 73,
> Jerry, KG6TT
>
Oh I'm having a great deal of fun, and I'm adjusting to this strange way
of using it, even though I owned a Paragon for several years, it's quite
an upside down from whatever I've used before...

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

4677. Re: [orion565] Re: I'm in love already (was "Took the plunge...")

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-07 22:47:17 UTC
From: Barry N1EU
Topic: 4671 Message: 4677

On Wed, Jan 7, 2009 at 10:15 PM, <catfishtwo@...> wrote:
> Well stated Jerry. It Is an amazing rig. After 2 or 3 years I am just
> learning its finer points.

Hopefully the new firmware will fix the AGC implementation and gain distribution, making the learning curve a little quicker.

73,
Barry N1EU

4678. Re: I'm in love already (was "Took the plunge...")

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-08 00:20:55 UTC
From: Brad
Topic: 4671 Message: 4678

I still don't seem to understand this logic of the RF gain and AF gain control vs. the use of AGC threshold. Can someone explain the difference in those two methods for the 566 or does the RF Gain/Af Gain logic only apply to the 565.

Brad

--- In orion565@yahoogroups.com, Jerry Volpe <inbound@...> wrote:
>
> I believe the newest firmware version for the Orion II has done well in
> testing and should be released perhaps by the end of next week(?), but
> schedules can slip. Anyway, once that version is successfully released
> Ten-Tec engineers (time allowing) will prepare/test the Orion 565
> variation of this new firmware. Although the two transceivers are very,
> very, very, close kin to one another there are some differences from a
> firmware perspective.... so when that will be ready is still vague.
>
> I used many variations of the Orion 565 firmware over the past three
> years... including 1.373B5 for a long time. Eventually I came back to
> the current version 2.062a for its overall stability improvements....
> and I suppose from the knowledge that version 1.x whatever was a dead
> development branch and that all future work would be based on 2.062a.
> Are there differences? Yes, I think so. Are there 1.x versions that are
> superior to the current branch? Not to me. There are some aspects of
> 1.373B5 that I do like better, but conversely many more aspects of
> 2.062a that I miss when going backwards to 1.x.
>
> Probably, the most important lesson for me as a now very 'happy' Orion
> owner was to finally appreciate that the Orion is NOT an Icom, or
> Kenwood, or Yaesu or Elecraft. To really appreciate it you must learn to
> drive it differently. For example, with the Orion there are real
> advantages to NOT running the RF Gain control wide open, but rather
> operate with the AF GAIN greatly advanced and adjust your listening
> level with the RF Gain instead. Once you hear a slight peak in the
> antenna noise you have obtained the 'sweet spot'.... the greatest
> possible signal-to-noise ratio... with this transceiver (talk to the
> engineers that built it and use it). Such is not always the case with
> more traditional transceiver designs. The Orion has a LOT of gain which
> can make it appear to be more noisy than those other rigs... but only if
> you drive it peddle to the metal! Learn to maneuver it around those hard
> corners and pick up speed on the straightaways and you leave the
> competition in the dust. :)
>
> Have fun discovering probably one of the best transceivers ever
designed.

>
> 73,
> Jerry, KG6TT
>

4679. Re: Visual representation of Orion AGC function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-08 08:39:51 UTC
From: pa1ap
Topic: 4660 Message: 4679

Greetings,

Barry thank you for the hint for tentecwiki on 565. Found a document written by Doug Smith on AGC design. With a couple of changes the visual representation would work I believe.

Now the challenge... My guess is that Doug described the functionality with reference to some release 1 code. I have seen a document that prior 1.37 code the RF gain control was only on the hardware and post 1.37 the RF gain control controlled both dsp and hw agc. Am i correct here?

What happend in release 2 is a bit of a mystery right now. The specifics on the real change isnt clear yet, I will continue to explore and read around.

So far my conclusion is the following (right or wrong...):

1) threshold defines the area from 0 (well 0,1 uV according manual) up to threshold value where AGC is NOT activated. All signals within this range will be amplified with linear behavior.
2) signals which fall within the threshold range are amplified based on the decay value and associated ramp-up speed (slope)

3) signals above treshold will be attenuated based on "something"... I guess its the inverse of the decay value but this is unclear.
4) RF gain dial covers the area starting at threshold value up to max value (100% of something) and includes dsp and hw agc.... (post 1.37) I am not sure how I can represent this "max value"...?

In the document there is a reference to max dynamic range when threshold is set to lowest value and RF gain is set to 100%. Followed by explanation changing the threshold would lower the dynamic range...

One of my confusions is on the comment where increasing the theshold would silence the audio... followed by the statement that lowering the threshold would result in increased audio due to the fact the system wants to meet the output level criteria... The first I understand, the latter is a bit unclear to me... Where am I missing the logic on this?

Appreciate any advice from the group!

Best regards,
onno pa1ap

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>

> Greetings Barry,
>
> I guess latest v1 and v2 code. Would be good to understand both and
> the differences between them... I guess the tentec manual covers v2
> code and this is what i took as the reference for the sketches I
> uploaded into the photo section.
>
> By the way, i realize i did not include "hang" time into the
> drawings. Eating the elephant in small chunks :-)
>
> Best regards,
> Onno
>
> --- In orion565@yahoogroups.com, "Barry N1EU" <barry.n1eu@> wrote:
> >
> > On Tue, Jan 6, 2009 at 9:52 AM, pa1ap <pa1ap@> wrote:
> > >
> > > Greetings group!
> > >
> > > Browsing through the messages in this group there were several
> > > discussions on how the orion AGC works. I believe i am starting
to
> > > understand the principle.
> >
> > What version of firmware are you talking about? The AGC works
> > completely differently between early v1, late v1, and v2 firmware
> and
> > therefore so does adjustment technique in the three different
cases.
> >
> > 73,
> > Barry N1EU
> >
>

4680. Re: [orion565] Re: Visual representation of Orion AGC function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-08 13:19:29 UTC
From: Barry N1EU
Topic: 4660 Message: 4680

On Thu, Jan 8, 2009 at 3:39 AM, pa1ap <pa1ap@...> wrote:

>
> Now the challenge... My guess is that Doug described the
> functionality with reference to some release 1 code. I have seen a
> document that prior 1.37 code the RF gain control was only on the
> hardware and post 1.37 the RF gain control controlled both dsp and hw
> agc. Am i correct here?

The major change occurred in v1.372 (pre-release version 1.372b23).
Prior to v1.372, you had to adjust both RF Gain (30dB analog gain) and
AGC Threshold (80dB dsp gain) to control Orion's total gain of 110dB.
With 1.372 and 1.373, the functions were combined so that you only had
to adjust RF Gain (110dB combined gain) during routine use after a
one-time setting of the AGC Threshold to a low value (e.g. 1uV).

The gain distribution that worked well in 1.372/3 was abandoned in the
v2 re-write and I can't recall ever seeing a technical description of
v2 gain distribution. I do know that many of us found v2 rx gain much
more difficult to control to get the receiver set up correctly for any
given band conditions.

73,
Barry N1EU

4681. Re: Visual representation of Orion AGC function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-08 13:30:18 UTC
From: pa1ap
Topic: 4660 Message: 4681

Thanks Barry!

Just curious... do you ever sleep? I will continue to explore and
will try to document through visual pictures. For me visual is the
way I learn & document and perhaps it will become of use for others...

Let see if others have some hints about the questions.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, "Barry N1EU" <barry.n1eu@...> wrote:
>
> On Thu, Jan 8, 2009 at 3:39 AM, pa1ap <pa1ap@...> wrote:
>
> >
> > Now the challenge... My guess is that Doug described the
> > functionality with reference to some release 1 code. I have seen a
> > document that prior 1.37 code the RF gain control was only on the
> > hardware and post 1.37 the RF gain control controlled both dsp
and hw
> > agc. Am i correct here?
>
> The major change occurred in v1.372 (pre-release version 1.372b23).
> Prior to v1.372, you had to adjust both RF Gain (30dB analog gain)
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> AGC Threshold (80dB dsp gain) to control Orion's total gain of
110dB.
> With 1.372 and 1.373, the functions were combined so that you only
had
> to adjust RF Gain (110dB combined gain) during routine use after a
> one-time setting of the AGC Threshold to a low value (e.g. 1uV).
>
> The gain distribution that worked well in 1.372/3 was abandoned in
the
> v2 re-write and I can't recall ever seeing a technical description
of
> v2 gain distribution. I do know that many of us found v2 rx gain
much
> more difficult to control to get the receiver set up correctly for
any
> given band conditions.
>
> 73,
> Barry N1EU
>

4682. Another item for the feature/function wish list for the 565/566

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-08 13:47:28 UTC
From: Peter Frenning [OZ1PIF]
Topic: 4682 Message: 4682

Taking a leaf from the FT-847 book: Keying the transmitter from the AUX (called Data by Yaesu) port enables AUX-In and disables Mic-Input, and vice versa - should be a very small matter to implement in SW, but immensely useful for the occasional Digital-mode user.

A question for the O2 owners: Is the threaded part of your Mic socket kind of loose too? (the central part with the pin receptacles is firmly seated) or should I worry enough to take the front assembly apart to fix it?

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

4683. Re: Visual representation of Orion AGC function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-08 13:59:24 UTC
From: pa1ap
Topic: 4660 Message: 4683

Just uploaded a revised picture of AGC representation. Its draft and hopefully we can create a final version in future. Its placed under photo's.

best regards, onno pa1ap

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Thanks Barry!
>
> Just curious... do you ever sleep? I will continue to explore and
> will try to document through visual pictures. For me visual is the
> way I learn & document and perhaps it will become of use for others...
>
> Let see if others have some hints about the questions.
>
> Best regards, Onno pa1ap
>
> --- In orion565@yahoogroups.com, "Barry N1EU" <barry.n1eu@> wrote:
> >
> > On Thu, Jan 8, 2009 at 3:39 AM, pa1ap <pa1ap@> wrote:
> >
> > >
> > > Now the challenge... My guess is that Doug described the
> > > functionality with reference to some release 1 code. I have seen a
> > > document that prior 1.37 code the RF gain control was only on the
> > > hardware and post 1.37 the RF gain control controlled both dsp
> and hw
> > > agc. Am i correct here?
> >
> > The major change occurred in v1.372 (pre-release version 1.372b23).
> > Prior to v1.372, you had to adjust both RF Gain (30dB analog gain)
> and
> > AGC Threshold (80dB dsp gain) to control Orion's total gain of
> 110dB.
> > With 1.372 and 1.373, the functions were combined so that you only
> had
> > to adjust RF Gain (110dB combined gain) during routine use after a
> > one-time setting of the AGC Threshold to a low value (e.g. 1uV).

> >
> > The gain distribution that worked well in 1.372/3 was abandoned
in
> the
> > v2 re-write and I can't recall ever seeing a technical
description
> of
> > v2 gain distribution. I do know that many of us found v2 rx gain
> much
> > more difficult to control to get the receiver set up correctly
for
> any
> > given band conditions.
> >
> > 73,
> > Barry N1EU
> >
>

4684. Re: [orion565] Another item for the feature/function wish list for the 565/566

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-08 14:41:21 UTC
From: Martin Ewing
Topic: 4682 Message: 4684

Peter,

That's an interesting suggestion. I use "User 1, 2, 3, 4" to allow me to switch modes among digimode, cw, ssb, etc. -- changing all the appropriate settings. Switching the from MIC to AUX is only part of the problem. And it's annoying that User 3 and 4 don't have pushbuttons!

TT has not made it easy to switch modes "manually" from the front panel, since you might want to switch the audio source, equalization, the AGC and DSP settings, and then tune into the right sub band. Not all that hard, but a lot of button pushing and encoder twiddling. Fortunately, the "user" switch option covers most of this.

No troubles troubles to report with the mic connector on my O1.

73 Martin AA6E

On Thu, Jan 8, 2009 at 8:47 AM, Peter Frenning [OZ1PIF] <peter@...>wrote:

> Taking a leaf from the FT-847 book: Keying the transmitter from the AUX
> (called Data by Yaesu) port enables AUX-In and disables Mic-Input, and
> vice versa - should be a very small matter to implement in SW, but
> immensely useful for the occasional Digital-mode user.
>
> A question for the O2 owners: Is the threaded part of your Mic socket
> kind of loose too? (the central part with the pin receptacles is firmly
> seated) or should I worry enough to take the front assembly apart to fix
> it?
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> ** CW: Who? Me? You must be joking!! **
> email: peter(no-spam-filler)@...
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **********
>
>

>
>
> [Non-text portions of this message have been removed]
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>
>

--
Martin Ewing, AA6E
Branford, CT

[Non-text portions of this message have been removed]

4685. Re: [orion565] Another item for the feature/function wish list for the 565/566

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-08 17:27:51 UTC
From: Thomas Todd
Topic: 4682 Message: 4685

My threaded section is also slightly loose till the Mic connector is tightened up, OR 2 is one month old, no problems.--Tom--W2TOD--
----- Original Message -----
From: Peter Frenning [OZ1PIF]
To: orion565@yahoogroups.com ; tentec-bounces@...
Sent: Thursday, January 08, 2009 8:47 AM
Subject: [orion565] Another item for the feature/function wish list for the 565/566

Taking a leaf from the FT-847 book: Keying the transmitter from the AUX
(called Data by Yaesu) port enables AUX-In and disables Mic-Input, and
vice versa - should be a very small matter to implement in SW, but
immensely useful for the occasional Digital-mode user.

A question for the O2 owners: Is the threaded part of your Mic socket
kind of loose too? (the central part with the pin receptacles is firmly
seated) or should I worry enough to take the front assembly apart to fix it?

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4686. Re: Visual representation of Orion AGC function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-08 17:42:33 UTC
From: w0ewm
Topic: 4660 Message: 4686

Barry said:

"The gain distribution that worked well in 1.372/3 was abandoned in the v2 re-write and I can't recall ever seeing a technical description of v2 gain distribution."

Barry is correct that the gain distribution across the Orion significantly changed in the V2 Orion/Orion II code rewrite (By the way, except for the "display code,"and a couple of other differences in the roofing filter switching, the Orion and Orion II DSP code have been the same - up to the current release). After Doug Smith left, TenTec needed to "fix" the stability issue in the V1 code. As part of doing that, the decision was made to "redesign the code in the Orion/Orion II" to be a closer "design match" to the design in the Jupiter and other previous TenTec rigs that used DSP chips (This was a "huge change decision"). This resulted in the design of the V1 code being changed for much of the functionality that was in the signal detector functions (CW/balanced modulator/demodulator etc) and everything that followed to the AF audio output to the audio amplifier chips. This included the design of the notch functions - which were audio based in the Jupiter - meaning that the notch did not removed the carrier impact on the AGC. This also resulted in a big change in the "overall feedback structure" in the V2 code from the V1 code. TenTec said this was "needed" to "fix" a "small signal" "noise" issue in the V1 code - surprisingly this was never detected either by the ARRL tests of the Orion or the Sherwood engineering tests - seemed, to me, like a "red herring" to justify the redesign that created many level problems in the V2 code. This resulted in some very strange "ideas" about using AGC hang and other adjustments to reduce the distortion caused by peak signal overload issues that were created by the redesign and the changes in the feedback control loops. Thus, began the "gain distribution tweeking" that has never really cleaned up the distortion issues. The last few changes included AGC design changes - in conjunction with work with Rob Sherwood - to try to reduce the impact of short pulse noise on the gain of the Orion/Orion II RF gain - this has to do with the "blazing speed" of action of the computer controlled AGC versus the old analog design "capacitor charge/discharge" AGC circuits.

In fairness, TenTec did make some big improvements in the later issues of the V2 code in areas like the performance of the voice compression, which had been wonderful in the V1 code and really broken in the early V2 rewrites. The Noise Reduction code in the V1 code actually was quite sophisticated and used four different kinds of filters to try to reduce noise - even in cw operation. In the V2 code TenTec changed the

code to be essentially an LMS (Least Mean Square) single high pass filter with a "soft squelch function." Some people liked one or the other implementations better - as with all things, it depended on how you used (Setup in operation) your Orion/Orion II. Overall, I like the performance/functionality of the V1 code much better then the V2 vode. If you haven't seen the performance of an Orion - with the V1 code - you haven't seen how good an Orion can be. On the other hand, if you haven't lost the subreceiver, while working a rare DX pilup, you haven't seen how bad the V1 code can be.

I look forward to seeing what TenTec has achieved in the new Orion/OrionII firmware. I told one of the TenTec principals that I would buy an Orion II the day after the V2 code was as good as the V1.373b5 code - but stable. I'm still using the Orion.
Merle - W0EWM

--- In orion565@yahoogroups.com, "Barry N1EU" <barry.n1eu@...> wrote:
>
> On Thu, Jan 8, 2009 at 3:39 AM, pa1ap <pa1ap@...> wrote:
>
> >
> > Now the challenge... My guess is that Doug described the
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> The major change occurred in v1.372 (pre-release version 1.372b23).
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> v2 re-write and I can't recall ever seeing a technical description of
> v2 gain distribution. I do know that many of us found v2 rx gain much
> more difficult to control to get the receiver set up correctly for any
> given band conditions.
>
> 73,
> Barry N1EU
>

4687. Re: Visual representation of Orion AGC function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-08 18:38:36 UTC
From: pa1ap
Topic: 4660 Message: 4687

Greetings Merle,

Thank you for providing this clear description about the changes
applies in v1 to v2 migration. I will continue trying to visualize
1.372 agc implementation to support my own understanding. If you could
provide guidance on my findings that would be excellent!

Thanks and best regards,
Onno

--- In orion565@yahoogroups.com, "w0ewm" <hmbone1@...> wrote:
>
> Barry said:
> ---
> "The gain distribution that worked well in 1.372/3 was abandoned in the
> v2 re-write and I can't recall ever seeing a technical description of
> v2 gain distribution."
> ---
> Barry is correct that the gain distribution across the Orion
> significantly changed in the V2 Orion/Orion II code rewrite (By the
> way, except for the "display code,"and a couple of other differences
> in the roofing filter switching, the Orion and Orion II DSP code have
> been the same - up to the current release). After Doug Smith left,
> TenTec needed to "fix" the stability issue in the V1 code. As part of
> doing that, the decision was made to "redesign the code in the
> Orion/Orion II" to be a closer "design match" to the design in the
> Jupiter and other previous TenTec rigs that used DSP chips (This was a
> "huge change decision"). This resulted in the design of the V1 code
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> ARRL tests of the Orion or the Sherwood engineering tests - seemed, to
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> "ideas" about using AGC hang and other adjustments to reduce the
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> reduce the impact of short pulse noise on the gain of the Orion/Orion
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> computer controlled AGC versus the old analog design "capacitor
> charge/discharge" AGC circuits.
>
> In fairness, TenTec did make some big improvements in the later issues
> of the V2 code in areas like the performance of the voice compression,
> which had been wonderful in the V1 code and really broken in the early
> V2 rewrites. The Noise Reduction code in the V1 code actually was
> quite sophisticated and used four different kinds of filters to try to
> reduce noise - even in cw operation. In the V2 code TenTec changed the
> code to be essentially an LMS (Least Mean Square) single high pass
> filter with a "soft squelch function." Some people liked one or the
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> you used (Setup in operation) your Orion/Orion II. Overall, I like the
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> If you haven't seen the performance of an Orion - with the V1 code -
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> haven't lost the subreceiver, while working a rare DX pilup, you
> haven't seen how bad the V1 code can be.
>
> I look forward to seeing what TenTec has achieved in the new
> Orion/OrionII firmware. I told one of the TenTec principals that I
> would buy an Orion II the day after the V2 code was as good as the
> V1.373b5 code - but stable. I'm still using the Orion.
> Merle - W0EWM
>
>
> --- In orion565@yahoogroups.com, "Barry N1EU" <barry.n1eu@> wrote:
> >
> > On Thu, Jan 8, 2009 at 3:39 AM, pa1ap <pa1ap@> wrote:
> >
> > >
> > > Now the challenge... My guess is that Doug described the
> > > functionality with reference to some release 1 code. I have seen a
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> > > hardware and post 1.37 the RF gain control controlled both dsp
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> > The major change occurred in v1.372 (pre-release version 1.372b23).
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> > one-time setting of the AGC Threshold to a low value (e.g. 1uV).
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> > The gain distribution that worked well in 1.372/3 was abandoned in the
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> > v2 gain distribution. I do know that many of us found v2 rx gain much

> > more difficult to control to get the receiver set up correctly for any
> > given band conditions.
> >
> > 73,
> > Barry N1EU
> >
>

4688. Re: [orion565] Another item for the feature/function wish list for the 565/566

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-08 15:28:19 UTC
From: Fotis SV8ING
Topic: 4682 Message: 4688

Hi Peter

My O2's Mic socket is like the one you describe.
I think all Orion II have the same and I don't know why TT do that!
After a conversation I had with UK's major distributor of TT radios he confirmed that all Orion's have the same socket.

73

Fotis SV8ING

GREECE

http://www.geocities.com/sv8ing/Fotis_SV8ING.html

--- Στις Πέμ., 08/01/09, o/η Peter Frenning [OZ1PIF] <peter@frenning.dk> έγραψε:
Από: Peter Frenning [OZ1PIF] <peter@...>
Θέμα: [orion565] Another item for the feature/function wish list for the 565/566
Προς: orion565@yahoogroups.com, tentec-bounces@...
Ημερομηνία: Πέμπτη, 8 Ιανουάριος 2009, 13:47

Taking a leaf from the FT-847 book: Keying the transmitter from the AUX

(called Data by Yaesu) port enables AUX-In and disables Mic-Input, and

vice versa - should be a very small matter to implement in SW, but

immensely useful for the occasional Digital-mode user.

A question for the O2 owners: Is the threaded part of your Mic socket

kind of loose too? (the central part with the pin receptacles is firmly

seated) or should I worry enough to take the front assembly apart to fix it?

--

Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **

email: peter(no-spam- filler)@frenning .dk

http://www.frenning .dk/oz1pif. htm

Ph. +45 4619 3239

Snailmail:

Peter Frenning

Ternevej 23

DK-4130 Viby Sj.

Denmark

********** ********* ********* *****

[Non-text portions of this message have been removed]

Χρησιμοποιείτε Yahoo!;
Βαρεθήκατε τα ενοχλητικά μηνύματα (spam); Το Yahoo! Mail διαθέτει την καλύτερη δυνατή προστασία κατά των ενοχλητικών μηνυμάτων http://login.yahoo.com/config/mail?.intl=gr

[Non-text portions of this message have been removed]

4689. orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-09 02:08:07 UTC
From: maximo robia
Topic: 4689 Message: 4689

keeps doing master reset evreytime you turn it on anyone know a fix for this

[Non-text portions of this message have been removed]

4690. Re: [orion565] orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-09 02:56:28 UTC
From: Billy Cox
Topic: 4689 Message: 4690

YES ... see if this is what your Orion 2 is doing:

http://www.n6ie.com/A9_Fix.html and note the cure.

Thanks go to Ron, N6IE ...

73 de Billy, AA4NU

-----Original Message-----
>From: maximo robia <w6lara@...>
>keeps doing master reset evreytime you turn it on anyone know a fix for this

4691. Re: [orion565] orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-09 05:27:24 UTC
From: Michael W Elliott
Topic: 4689 Message: 4691

Same thing happened to me.

Received a new board from TenTec and all is well after 5 mos of operation. No re-occurence

Michael W. Elliott
"THE INSIDE ADVANTAGE"   -
RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri

--- On Thu, 1/8/09, Billy Cox <aa4nu@...> wrote:
From: Billy Cox <aa4nu@...>
Subject: Re: [orion565] orion 2
To: orion565@yahoogroups.com
Date: Thursday, January 8, 2009, 8:56 PM

YES ... see if this is what your Orion 2 is doing:

http://www.n6ie. com/A9_Fix. html and note the cure.

Thanks go to Ron, N6IE ...

73 de Billy, AA4NU

-----Original Message-----

>From: maximo robia <w6lara@yahoo. com>

>keeps doing master reset evreytime you turn it on anyone know a fix for this

[Non-text portions of this message have been removed]

4692. Orion and Logger32

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-09 07:16:28 UTC
From: John Hudson
Topic: 4692 Message: 4692

I know this is probably a Logger32 issue but I wanted to run it by this group and others to see if there has been anything like this before. I hope I have explained it but it was originally sent o the Logger32 group

Thanks

John
KO4XJ

I have been using L32 for a few years now with my TT Orion 1 and not had a problem at all but since the 3.16 was updated I started having some funky things happening and I just found where it's coming from Currently I have updated to 3.16, Orion firmware 2.062a which I've had since it came out 2007..XP Home Edition SP3 and have 4500+ in the logbook

Here's the issues

Whenever I click on a dx spot OR enter a freq in the callsign window the rig changes correctly BUT when I try and adjust any thing like RF GAIN, MIC GAIN, STEP AGC ATTN, controls that are around the display of the Orion those items do change but the value that is on the display does not change. EXAMPLE... if I crank the RF back, the rig is working but whatever value was on the display stays lock on the display. If I turn the SWEEP off, the display just freezes.

Ok so I try other programs, MIXW works perfect, N1MM works perfect, DXLAB works perfect.

The only that had been changed was the 3.16 update..so I thought just to see and I load 3.15 back and it worked fine as far as the controls. Then I loaded 3.16 back and the problem is still there.

Another thing that's wierd is that it does it on 160,80,20,17,15,12 and 10. 40 Meters seems to be uneffected and works ok.

Now what I can do is press the MENU button or the AUDIO button and go to their menus, go back to the main display and everything works until I click on a DX SPOT or enter a freq again

I've done MASTER REST and BATTERY FAULT RESETS and reloaded the 2.062a firmware on the Orion and still the same issue

This weird I know but looking for some ideals

73

John
KO4XJ

4693. Re: Visual representation of Orion AGC function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-08 20:12:03 UTC
From: pa1ap
Topic: 4660 Message: 4693

Ok, below my first attempt to reflect what I have learned so far. Hope constructive advice and guidance can be provided by the group! Looking forward.

Description visual representation Orion AGC p3 (see photo section)

Firmware post 1.372

Reference picture; element 2
Within the receiver there is DSP based AGC and Analog AGC. The DSP AGC controls from 0% up to 72% of total gain and Analog AGC controls the 72%-100% range.

Reference picture; element 3
Element 3 connects the Threshold setting to the DSP AGC starting value. Its like a slider you can move to the left or to the right to determine where the DSP AGC will start taking effect. In other words the Threshold cam decrease DSP AGC control area. For example one could move the threshold to the right and set it to 40%. The DSP AGC would at that moment only control the last part of the DSP AGC range (40-72%).... Any signal between 0% and 40% would remain uncompressed and hence sound will vary based on signal strength, until you decide to include Decay into the discussion.....

Reference picture; element 4

Two events within this element; conform threshold and exceed threshold

Conform threshold;
I am confused about the statement Decay in relationship to increased gain. The manual describes Decay in the following manner;
"Decay is used to determin how fast the if gain increases in the absence of a signal above the threshold value" [rev3 feb 2005].
although Decay refers to decreasing a value, here its used while looking from the oposite direction. Anyway, signals below threshold will not be compressed and their volume will increase following the Decay setting....

Exceed threshold;
Surely signals exceeding the threshold require compression to avoid the speaker to bust into flames. There is no reference made on how this actually takes place but I assume it is actually the same Decay value but hopefully someone can explain or confirm.

Reference picture; element 1

The RF Gain dial range includes both DSP and analog AGC. One thing to realize is that the start of RF Gain is determined by the Threshold value. In other words, setting threshold at a high value will decrease the operating range of the RF Gain dial.

Reference picture; element 5

Taking the total dynamic range of the receiver and map it to the DSP AGC and Analog AGC.

Taking examples from the manual and applying them to the picture;

Example 1;
"adjust threshold value to a high value, like 31.91uV. Note how overall receiver noise has dropped with the gain reduction."

I believe what they mean with this is that because the start value of the RF Gain dial has moved to the right the net result of that action is that the gain is decreased. I assume this is the same as saying "we decreased the dynamic range".. How this relates to the Decay value for signals below threshold is unclear to me... any advice?

Example 2;
"Listning to band noise with the threshold set to the lowest value and the RF Gain set at 100. With these settings, receiver gain is at maximum".

Is my understanding wrong this case assumes band noise to exceed the threshold?

Example 3;

"At thresholds near the noise floor, all signal are boosted to meet the output-level criterion".

I admit, in case you did not think already, I'm lost on this statement.... I assume the output level criterion refers to the signal level arriving at my ears through the audio chain (AF volume dial).... How does this connect the things together?

I hope someone can advice and provide guidance. I really like to learn how the AGC operates.

Thanks and best regards,
Onno, pa1ap

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
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> Greetings Merle,
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> Thank you for providing this clear description about the changes
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> provide guidance on my findings that would be excellent!

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> > Orion/OrionII firmware. I told one of the TenTec principals that I
> > would buy an Orion II the day after the V2 code was as good as the
> > V1.373b5 code - but stable. I'm still using the Orion.
> > Merle - W0EWM
> >
> >
> > --- In orion565@yahoogroups.com, "Barry N1EU" <barry.n1eu@> wrote:
> > >
> > > On Thu, Jan 8, 2009 at 3:39 AM, pa1ap <pa1ap@> wrote:
> > >
> > > >
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for any

> > > given band conditions.
> > >
> > > 73,
> > > Barry N1EU
> > >
> >
>

4694. Re: [orion565] Orion and Logger32

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-09 23:22:08 UTC
From: John Hudson
Topic: 4692 Message: 4694

I was directed to the cause of the Orion and Logger32 problem I had and
it was due to a change in the Logger32 update and here is the fix

One of the things that was changed in the latest version of Logger32 was
the
need to issue three commands to the radio following a click on a dx spot.
As most sets do not require this the third command was removed - or
actually
made a user select options. The default for this is OFF so please try it
with the option set to ON.
Use the menu option Setup|Radio|

Radio 1 config and make sure that the "Radio
changes freq when mode is changed" option is checked.

JUST IN CASE SOMEONE ELSE HAS THE PROBLEM

73

John
KO4XJ

John Hudson wrote:
>
> I know this is probably a Logger32 issue but I wanted to run it by this
> group and others to see if there has been anything like this before. I
> hope I have explained it but it was originally sent o the Logger32 group
>
> Thanks
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> John
> KO4XJ
>
> I have been using L32 for a few years now with my TT Orion 1 and not had
> a problem at all but since the 3.16 was updated I started having some
> funky things happening and I just found where it's coming from Currently
> I have updated to 3.16, Orion firmware 2.062a which I've had since it
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> MIC GAIN, STEP AGC ATTN, controls that are around the display of the
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> not change. EXAMPLE... if I crank the RF back, the rig is working but

> whatever value was on the display stays lock on the display. If I turn
> the SWEEP off, the display just freezes.
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> Ok so I try other programs, MIXW works perfect, N1MM works perfect,
> DXLAB works perfect.
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> The only that had been changed was the 3.16 update..so I thought just to
> see and I load 3.15 back and it worked fine as far as the controls. Then
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> firmware on the Orion and still the same issue
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> John
> KO4XJ
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>

[Non-text portions of this message have been removed]

4695. Re: [orion565] Re: Visual representation of Orion AGC function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-09 15:36:04 UTC
From: Barry N1EU
Topic: 4660 Message: 4695

When a strong signal is present, gain is reduced. When the strong signal disappears, gain increases. Decay refers to how quickly the gain increases (dB/sec) when the strong signal disappears.

You are trying to understand a complex system that hasn't been well documented.

In v1.372/1.373, the action of the RF Gain control is not merely dialing in the gain value of 0-110dB. It also varies the AGC Threshold as you rotate the knob. Threshold decreases as you increase RF Gain - exactly by how much, I don't know.

All disclaimers apply to the accuracy of any of this. I think you should just play with the radio.

73,
Barry N1EU

On Thu, Jan 8, 2009 at 3:12 PM, pa1ap <pa1ap@...> wrote:
> Ok, below my first attempt to reflect what I have learned so far. Hope
> constructive advice and guidance can be provided by the group! Looking
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> Within the receiver there is DSP based AGC and Analog AGC. The DSP AGC
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4696. Re: Visual representation of Orion AGC function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-09 21:15:03 UTC
From: pa1ap
Topic: 4660 Message: 4696

Seems I wasn't that far off with my draft. Merle has send me a great picture from tentec which describes the pre and post 1.372 release. Granted it doesn't describe release 2 but it helps for sure. Check the photo section for more details.

Reading through all other suggestions as received by email. There are lots of good ideas and suggestions! Thanks you all for sharing.

The visual representation is getting more complete by the day and please keep suggestions coming.

Best regards,
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> Surely signals exceeding the threshold require compression to avoid
> the speaker to bust into flames. There is no reference made on how
> this actually takes place but I assume it is actually the same Decay
> value but hopefully someone can explain or confirm.
>
> Reference picture; element 1
>
> The RF Gain dial range includes both DSP and analog AGC. One thing
to
> realize is that the start of RF Gain is determined by the Threshold
> value. In other words, setting threshold at a high value will
decrease
> the operating range of the RF Gain dial.
>
> Reference picture; element 5
>
> Taking the total dynamic range of the receiver and map it to the DSP
> AGC and Analog AGC.
>
>
> Taking examples from the manual and applying them to the picture;
>
> Example 1;
> "adjust threshold value to a high value, like 31.91uV. Note how
> overall receiver noise has dropped with the gain reduction."
>
> I believe what they mean with this is that because the start value
of
> the RF Gain dial has moved to the right the net result of that
action
> is that the gain is decreased. I assume this is the same as
saying "we
> decreased the dynamic range".. How this relates to the Decay value
for
> signals below threshold is unclear to me... any advice?
>

> Example 2;
> "Listning to band noise with the threshold set to the lowest value
and
> the RF Gain set at 100. With these settings, receiver gain is at
> maximum".
>
> Is my understanding wrong this case assumes band noise to exceed the
> threshold?
>
> Example 3;
>
> "At thresholds near the noise floor, all signal are boosted to meet
> the output-level criterion".
>
> I admit, in case you did not think already, I'm lost on this
> statement.... I assume the output level criterion refers to the
signal
> level arriving at my ears through the audio chain (AF volume
dial)....
> How does this connect the things together?
>
>
> I hope someone can advice and provide guidance. I really like to
learn
> how the AGC operates.
>
> Thanks and best regards,
> Onno, pa1ap
>
>
>
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Greetings Merle,
> >
> > Thank you for providing this clear description about the changes
> > applies in v1 to v2 migration. I will continue trying to visualize
> > 1.372 agc implementation to support my own understanding. If you
could
> > provide guidance on my findings that would be excellent!
> >
> > Thanks and best regards,
> > Onno
> >
> >
> > --- In orion565@yahoogroups.com, "w0ewm" <hmbone1@> wrote:
> > >
> > > Barry said:
> > > ----------

> > > "The gain distribution that worked well in 1.372/3 was abandoned
> in the
> > > v2 re-write and I can't recall ever seeing a technical
description of
> > > v2 gain distribution."
> > > --
> > > Barry is correct that the gain distribution across the Orion
> > > significantly changed in the V2 Orion/Orion II code rewrite (By
the
> > > way, except for the "display code,"and a couple of other
differences
> > > in the roofing filter switching, the Orion and Orion II DSP
code have
> > > been the same - up to the current release). After Doug Smith
left,
> > > TenTec needed to "fix" the stability issue in the V1 code. As
part of
> > > doing that, the decision was made to "redesign the code in the
> > > Orion/Orion II" to be a closer "design match" to the design in
the
> > > Jupiter and other previous TenTec rigs that used DSP chips
(This was a
> > > "huge change decision"). This resulted in the design of the V1
code
> > > being changed for much of the functionality that was in the
signal
> > > detector functions (CW/balanced modulator/demodulator etc) and
> > > everything that followed to the AF audio output to the audio
amplifier
> > > chips. This included the design of the notch functions - which
were
> > > audio based in the Jupiter - meaning that the notch did not
removed
> > > the carrier impact on the AGC. This also resulted in a big
change in
> > > the "overall feedback structure" in the V2 code from the V1
code.
> > > TenTec said this was "needed" to "fix" a "small signal" "noise"
issue
> > > in the V1 code - surprisingly this was never detected either by
the
> > > ARRL tests of the Orion or the Sherwood engineering tests -
seemed, to
> > > me, like a "red herring" to justify the redesign that created
many
> > > level problems in the V2 code. This resulted in some very
strange
> > > "ideas" about using AGC hang and other adjustments to reduce the
> > > distortion caused by peak signal overload issues that were
created by

> > > the redesign and the changes in the feedback control loops.
Thus,
> > > began the "gain distribution tweeking" that has never really
cleaned
> > > up the distortion issues. The last few changes included AGC
design
> > > changes - in conjunction with work with Rob Sherwood - to try to
> > > reduce the impact of short pulse noise on the gain of the
Orion/Orion
> > > II RF gain - this has to do with the "blazing speed" of action
of the
> > > computer controlled AGC versus the old analog design "capacitor
> > > charge/discharge" AGC circuits.
> > >
> > > In fairness, TenTec did make some big improvements in the later
issues
> > > of the V2 code in areas like the performance of the voice
compression,
> > > which had been wonderful in the V1 code and really broken in
the early
> > > V2 rewrites. The Noise Reduction code in the V1 code actually
was
> > > quite sophisticated and used four different kinds of filters to
try to
> > > reduce noise - even in cw operation. In the V2 code TenTec
changed the
> > > code to be essentially an LMS (Least Mean Square) single high
pass
> > > filter with a "soft squelch function." Some people liked one or
the
> > > other implementations better - as with all things, it depended
on how
> > > you used (Setup in operation) your Orion/Orion II. Overall, I
like the
> > > performance/functionality of the V1 code much better then the
V2 vode.
> > > If you haven't seen the performance of an Orion - with the V1
code -
> > > you haven't seen how good an Orion can be. On the other hand,
if you
> > > haven't lost the subreceiver, while working a rare DX pilup, you
> > > haven't seen how bad the V1 code can be.
> > >
> > > I look forward to seeing what TenTec has achieved in the new
> > > Orion/OrionII firmware. I told one of the TenTec principals
that I
> > > would buy an Orion II the day after the V2 code was as good as
the
> > > V1.373b5 code - but stable. I'm still using the Orion.
> > > Merle - W0EWM

> > >
> > >
> > > --- In orion565@yahoogroups.com, "Barry N1EU" <barry.n1eu@>
wrote:
> > > >
> > > > On Thu, Jan 8, 2009 at 3:39 AM, pa1ap <pa1ap@> wrote:
> > > >
> > > > >
> > > > > Now the challenge... My guess is that Doug described the
> > > > > functionality with reference to some release 1 code. I have
seen a
> > > > > document that prior 1.37 code the RF gain control was only
on the
> > > > > hardware and post 1.37 the RF gain control controlled both
dsp
> > and hw
> > > > > agc. Am i correct here?
> > > >
> > > > The major change occurred in v1.372 (pre-release version
1.372b23).
> > > > Prior to v1.372, you had to adjust both RF Gain (30dB analog
> > gain) and
> > > > AGC Threshold (80dB dsp gain) to control Orion's total gain of
> > 110dB.
> > > > With 1.372 and 1.373, the functions were combined so that you
> > only had
> > > > to adjust RF Gain (110dB combined gain) during routine use
after a
> > > > one-time setting of the AGC Threshold to a low value (e.g.
1uV).
> > > >
> > > > The gain distribution that worked well in 1.372/3 was
abandoned
> > in the
> > > > v2 re-write and I can't recall ever seeing a technical
> > description of
> > > > v2 gain distribution. I do know that many of us found v2 rx
> > gain much
> > > > more difficult to control to get the receiver set up correctly
> > for any
> > > > given band conditions.
> > > >
> > > > 73,
> > > > Barry N1EU
> > > >
> > >
> > >
> >
>

4697. meter wont work properly sticky

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-10 14:23:06 UTC
From: w6lara
Topic: 4697 Message: 4697

hello everyone im having some issues with my orion 2 i fonund the problem WHY IT WOULD DO A MASTER RESET WHEN YOU TURN IT ON. THE FIX WAS THE BATTERY CAME LOOSE ON THE LOGIC BOARD BEHIND THE FACEPLATE. IM HAVING OTHER ISSUES WITH THE RADIO. THE ANALOG S METER MOVEMENT DOSE NOT WORK PROPERLY SOMETIMES IT WORKS SOMTIMES IT DOSENT IT READS LOW SIGNAL ON RECIEVE AND TRANSMIT BUT OUTPUT AND RECIVE ARE FINE. IT USESALY WORKS AFTER 10 OR 15 MINUTES OF THE RADIO BEEING ON. ANY IDEAS WHAT IT MIGHT BE IM THINKING POSSABLY THE METER IS BAD WHAT DO YOU THINK

4698. Re: meter wont work properly sticky

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-10 16:08:58 UTC
From: w0ewm
Topic: 4697 Message: 4698

In all cases the Orion Meter is driven by a "digital to analog converter". The DAC is driven by the main CPU. Meter problems are likely either the meter or the DAC.
73, Merle - W0EWM

--- In orion565@yahoogroups.com, "w6lara" <w6lara@...> wrote:
>
> hello everyone im having some issues with my orion 2 i fonund the
> problem WHY IT WOULD DO A MASTER RESET WHEN YOU TURN IT ON. THE FIX WAS
> THE BATTERY CAME LOOSE ON THE LOGIC BOARD BEHIND THE FACEPLATE. IM
> HAVING OTHER ISSUES WITH THE RADIO. THE ANALOG S METER MOVEMENT DOSE
> NOT WORK PROPERLY SOMETIMES IT WORKS SOMTIMES IT DOSENT IT READS LOW
> SIGNAL ON RECIEVE AND TRANSMIT BUT OUTPUT AND RECIVE ARE FINE. IT
> USESALY WORKS AFTER 10 OR 15 MINUTES OF THE RADIO BEEING ON. ANY IDEAS
> WHAT IT MIGHT BE IM THINKING POSSABLY THE METER IS BAD WHAT DO YOU
> THINK
>

4699. mars mod

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-11 13:55:10 UTC
From: w6lara
Topic: 4699 Message: 4699

dose anyone know how to mars mod the orion 2

4700. Re: mars mod

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-11 14:23:12 UTC
From: Joe
Topic: 4699 Message: 4700

--- In orion565@yahoogroups.com, "w6lara" <w6lara@...> wrote:
>
> dose anyone know how to mars mod the orion 2
>
There is info in the files section here.
Joe

4701. v1 versus v2 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-12 13:15:54 UTC
From: hamilrs
Topic: 4701 Message: 4701

There has been considerable discussion about differences between Orion I v1 and v2 firmware but nothing mentioned about the greatly improved screen contrast of v2 which is why I've stayed with v2. V1 seems hotter, I like it better than v2, but I also prefer white screen text on a dark background which accentuates the decreased v1 contrast. If there's a way to have v2 screen contrast quality with v1 I'd be interested in knowing how. Thanks, Russ.

4702. Re: [orion565] v1 versus v2 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-12 18:41:48 UTC
From: bob finger
Topic: 4701 Message: 4702

Get Carl's software and ignore the screen. Or listen to the receiver and ignore the screen. Sorry, the screen has NEVER helped me work a new on or make a contest q. Its on a par with the color of the dot in the logo. 73 bob de w9ge

hamilrs wrote:

> There has been considerable discussion about differences between Orion
> I v1 and v2
> firmware but nothing mentioned about the greatly improved screen
> contrast of v2
>
>
>
>

4703. Receiver muted after AT use

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-13 04:54:52 UTC
From: jddksk
Topic: 4703 Message: 4703

Hi guys first post new to the forum. I just picked up a used Orion 1 I've been using a Omni 6 plus for awhile now and just love the rig. My issue with the Orion is when I turn on the auto tuner it tunes the load just fine but, when returning back to receive the receiver audio is muted. After about 3-5 sec. I hear a relay slowly click closed or open in the AT and the receiver comes alive again seems worst on 14mhz. Also while keying the rig in cw can produce the same issue. Could this be a firmware or harware issue? firmware (2.062a) installed.

73 W6MQI Dave

4704. Re: Receiver muted after AT use

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-13 11:15:48 UTC
From: Mike March
Topic: 4703 Message: 4704

I have a similar issue...the receive audio is muted only to the front panel headphone jack. I am not using the AT as I use an amplifier. The only way to restore the audio is to turn the rig off and then on again. I have tried a system reset and a ram reset but it still occurs from time to time.

My issue with the Orion is when I turn on the auto tuner it tunes the
> load just fine but, when returning back to receive the receiver audio
> is muted.

4705. Orion 1 software upgrade question

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-13 15:18:21 UTC
From: eduardomontana
Topic: 4705 Message: 4705

I have a question that i am wandering is someone can help.
I have an Orion 1, with the latest software V 2.062a; when I turn the radio on the Orion's display states "2.04b7", i don't know if it is supposed to match that of the software; hence my question.
I love the rig, it is far better than my Yaesu 1000D, trick is you have to know how to use attenuator, programmable AGC and RF controls, set them once never touch them again (unless you're changing your intended purpose, therefore fitness for purpose needs to be revised).

Regards from VE3YZR

4706. Re: [orion565] Digest Number 1147

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-13 14:07:19 UTC
From: Eduardo Montana
Topic: 4706 Message: 4706

I have a question that i am wandering is someone can help.
I have an Orion 1, with the latest software V 2.062a; when I turn the radio on the Orion's display states "2.04b7", i don't know if it is supposed to match that of the software; hence my question.
I love the rig, it is far better than my Yaesu 1000D, trick is you have to know how to use attenuator, programmable AGC and RF controls, set them once never touch them again (unless you're changing your intended purpose, therefore fitness for purpose needs to be revised).

Regards from VE3YZR

-
Be well,
Eduardo Montana
Cell 416 432 8935

-----Original Message-----
From: orion565@yahoogroups.com
Reply-to: "No Reply"<notify-dg-orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Subject: [orion565] Digest Number 1147
Date: 13 Jan 2009 13:13:36 -0000

Ten-Tec Orion
Messages In This Digest (4 Messages)

1a.
v1 versus v2 firmware From: hamilrs
1b.
Re: v1 versus v2 firmware From: bob finger
2a.
Receiver muted after AT use From: jddksk
2b.
Re: Receiver muted after AT use From: Mike March
View All Topics | Create New Topic

Messages

1a.

v1 versus v2 firmware

Posted by: "hamilrs" rusham@... hamilrs

Mon Jan 12, 2009 5:15 am (PST)

There has been considerable discussion about differences between Orion I v1 and v2

firmware but nothing mentioned about the greatly improved screen contrast of v2 which is
why I've stayed with v2. V1 seems hotter, I like it better than v2, but I also prefer white
screen text on a dark background which accentuates the decreased v1 contrast. If there's a
way to have v2 screen contrast quality with v1 I'd be interested in knowing how. Thanks,
Russ.

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Messages in this topic (2)

1b.

Re: v1 versus v2 firmware

Posted by: "bob finger" finger@... w9ge

Mon Jan 12, 2009 10:50 am (PST)

Get Carl's software and ignore the screen. Or listen to the receiver
and ignore the screen. Sorry, the screen has NEVER helped me work a new
on or make a contest q. Its on a par with the color of the dot in the
logo. 73 bob de w9ge

hamilrs wrote:

> There has been considerable discussion about differences between Orion
> I v1 and v2
> firmware but nothing mentioned about the greatly improved screen
> contrast of v2
>
>
>
>

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2a.

Receiver muted after AT use

Posted by: "jddksk" jddksk@... jddksk

Mon Jan 12, 2009 8:54 pm (PST)

Hi guys first post new to the forum. I just picked up a used Orion 1
I've been using a Omni 6 plus for awhile now and just love the rig. My
issue with the Orion is when I turn on the auto tuner it tunes the
load just fine but, when returning back to receive the receiver audio
is muted. After about 3-5 sec. I hear a relay slowly click closed or
open in the AT and the receiver comes alive again seems worst on 14mhz.
Also while keying the rig in cw can produce the same issue. Could this
be a firmware or harware issue? firmware (2.062a) installed.

73 W6MQI Dave

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Messages in this topic (2)

2b.

Re: Receiver muted after AT use

Posted by: "Mike March" lmmarch@... k4qu

Tue Jan 13, 2009 3:15 am (PST)

I have a similar issue...the receive audio is muted only to the front
panel headphone jack. I am not using the AT as I use an amplifier.
The only way to restore the audio is to turn the rig off and then on
again. I have tried a system reset and a ram reset but it still
occurs from time to time.

My issue with the Orion is when I turn on the auto tuner it tunes the
> load just fine but, when returning back to receive the receiver audio
> is muted.

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to Traditional
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[Non-text portions of this message have been removed]

4707. Re: Orion 1 software upgrade question

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-13 15:59:19 UTC
From: bernie_k1sa
Topic: 4705 Message: 4707

Without the info in front of me, I seem to recall that when you bring
up the Ten Tec utility to update the radio and click on "process," you
get a window that gives you a choice of different firmware versions.
You have to highlight the version you want, in this case 2.062a, and
it may be that the 2.04b7 was highlighted instead? Try reloading
again and see what happens...

Bernie K1SA

--- In orion565@yahoogroups.com, "eduardomontana" <edmontana@...>
wrote:
>
> I have a question that i am wandering is someone can help.
> I have an Orion 1, with the latest software V 2.062a; when I turn the
> radio on the Orion's display states "2.04b7", i don't know if it is
> supposed to match that of the software; hence my question.
> I love the rig, it is far better than my Yaesu 1000D, trick is you
> have to know how to use attenuator, programmable AGC and RF controls,
> set them once never touch them again (unless you're changing your
> intended purpose, therefore fitness for purpose needs to be revised).
>
> Regards from VE3YZR
>

4708. Re: [orion565] Orion 1 software upgrade question

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-13 16:01:18 UTC
From: Martin Ewing
Topic: 4705 Message: 4708

If you watch the "splash" screen carefully, you will see both numbers. 2.062a refers to the overall firmware version, and 2.04b7 is the "DSP version" -- that is (I guess) separate code that runs in the SHARC DSP processors. You can examine this info at more leisure after boot-up by pressing and holding the "MENU" button. It also tells you if the "v2 hardware mod" is installed.

I don't know why TT thinks we need to know the DSP version, since it only changes when the main firmware version changes.

73 Martin AA6E

On Tue, Jan 13, 2009 at 10:18 AM, eduardomontana <edmontana@...>wrote:

> I have a question that i am wandering is someone can help.
> I have an Orion 1, with the latest software V 2.062a; when I turn the
> radio on the Orion's display states "2.04b7", i don't know if it is
> supposed to match that of the software; hence my question.
> I love the rig, it is far better than my Yaesu 1000D, trick is you
> have to know how to use attenuator, programmable AGC and RF controls,
> set them once never touch them again (unless you're changing your
> intended purpose, therefore fitness for purpose needs to be revised).
>
> Regards from VE3YZR
>
>
> ------------------------------------
>
>
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--
Martin Ewing, AA6E
Branford, CT

[Non-text portions of this message have been removed]

4709. Re: [orion565] Orion 1 software upgrade question

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-13 15:57:07 UTC
From: John Hudson
Topic: 4705 Message: 4709

The 2.04b7 is the DSP version but if you hold the MENU button you will see the POWER ON display and you will see the software version you have installed, the DSP version and whether the V2 mod is done on your rig

73
John
KO4XJ

eduardomontana wrote:
>
> I have a question that i am wandering is someone can help.
> I have an Orion 1, with the latest software V 2.062a; when I turn the
> radio on the Orion's display states "2.04b7", i don't know if it is
> supposed to match that of the software; hence my question.
> I love the rig, it is far better than my Yaesu 1000D, trick is you
> have to know how to use attenuator, programmable AGC and RF controls,
> set them once never touch them again (unless you're changing your
> intended purpose, therefore fitness for purpose needs to be revised).
>
> Regards from VE3YZR
>
>

[Non-text portions of this message have been removed]

4710. Re: [orion565] Re: Receiver muted after AT use

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-13 16:06:09 UTC
From: John Hudson
Topic: 4703 Message: 4710

Have you tried to reload the software and then do a RAM reset? I've had some weird things seem to happen and I reloaded the software and it cleared it up

73
John
KO4XJ

Mike March wrote:
>
> I have a similar issue...the receive audio is muted only to the front
> panel headphone jack. I am not using the AT as I use an amplifier.
> The only way to restore the audio is to turn the rig off and then on
> again. I have tried a system reset and a ram reset but it still
> occurs from time to time.
>
> My issue with the Orion is when I turn on the auto tuner it tunes the
> > load just fine but, when returning back to receive the receiver audio
> > is muted.
>
>

[Non-text portions of this message have been removed]

4711. Re: Receiver muted after AT use

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-13 16:03:33 UTC
From: jddksk
Topic: 4703 Message: 4711

--- In orion565@yahoogroups.com, "Mike March" <lmmarch@...> wrote:
>
> I have a similar issue...the receive audio is muted only to the
front
> panel headphone jack. I am not using the AT as I use an amplifier.
> The only way to restore the audio is to turn the rig off and then on
> again. I have tried a system reset and a ram reset but it still
> occurs from time to time.
>
>
> My issue with the Orion is when I turn on the auto tuner it tunes
the
> > load just fine but, when returning back to receive the receiver
audio
> > is muted.
>

Thanks Mike
Yep! real bummer I guess it's back to the external tuner for me.

73 Dave

4712. MUST SELL

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-13 16:39:11 UTC
From: michael christopher
Topic: 4712 Message: 4712

Hello All,

Unfortunately for me I have fell upon hard times and must sell My O 2 A.S.A.P
My Orion 2 comes from a non smoking home and comes with the following, The 1.8, 600 and 300 Hz filters. It also come with the latest firmware, the 302r remote keypad/encoder and a Heil HM-5 Mic.

The rig is in excellent condition any reasonable offer will be considered. I must sell A.S.A.P. I live in Raleigh, NC
-
73
Mike

[Non-text portions of this message have been removed]

4713. CORRECTION

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-13 17:04:42 UTC
From: michael christopher
Topic: 4713 Message: 4713

Please excuse me but I had forgotten to give my email address with RE: To MUST SELL ORION 2. My email is w2iw@...

[Non-text portions of this message have been removed]

4714. Re: Receiver muted after AT use

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-14 02:11:47 UTC
From: jddksk
Topic: 4703 Message: 4714

--- In orion565@yahoogroups.com, "jddksk" <jddksk@...> wrote:
>
> --- In orion565@yahoogroups.com, "Mike March" <lmmarch@> wrote:
> >
> > I have a similar issue...the receive audio is muted only to the
> front
> > panel headphone jack. I am not using the AT as I use an
amplifier.
> > The only way to restore the audio is to turn the rig off and then
on
> > again. I have tried a system reset and a ram reset but it still
> > occurs from time to time.
> >
> >
> > My issue with the Orion is when I turn on the auto tuner it
tunes
> the
> > > load just fine but, when returning back to receive the receiver
> audio
> > > is muted.
> >
>
> Thanks Mike
> Yep! real bummer I guess it's back to the external tuner for me.
>
> 73 Dave

I called Ten tec and they had me do a master reset-memory clear on
the rig.After reset muted receiver issue still there, it seems to be
only on 20m-10m? so much for QSK on these bands for now. Dave

4715. RE: [orion565] Re: Receiver muted after AT use

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-14 02:58:08 UTC
From: John T. Fleming
Topic: 4703 Message: 4715

Dave,

There is a bug in the software. If you have the sub-receiver on AM and the main receiver on SSB and hit transmit, the head phone audio disappears. It was an old problem and was corrected and then introduced as a "new" feature in the latest addition. Do a reset and then don't use AM on the sub-receiver until the new software is released.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of jddksk
Sent: Tuesday, January 13, 2009 9:12 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Receiver muted after AT use

--- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, "jddksk" <jddksk@...> wrote:
>
> --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, "Mike March" <lmmarch@> wrote:
> >
> > I have a similar issue...the receive audio is muted only to the
> front
> > panel headphone jack. I am not using the AT as I use an amplifier.
> > The only way to restore the audio is to turn the rig off and then on
> > again. I have tried a system reset and a ram reset but it still
> > occurs from time to time.
> >
> >
> > My issue with the Orion is when I turn on the auto tuner it tunes
> the
> > > load just fine but, when returning back to receive the receiver
> audio
> > > is muted.
> >
>
> Thanks Mike
> Yep! real bummer I guess it's back to the external tuner for me.

>
> 73 Dave

I called Ten tec and they had me do a master reset-memory clear on the rig.After reset muted receiver issue still there, it seems to be only on 20m-10m? so much for QSK on these bands for now. Dave

[Non-text portions of this message have been removed]

4716. Re: [orion565] Re: Receiver muted after AT use

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-14 12:57:11 UTC
From: Martin
Topic: 4703 Message: 4716

This problem appears here also with both receivers in CW mode. Battery
reset helps - if not, repeat.

73,
Martin OK1RR

John T. Fleming napsal(a):
> Dave,
>
>
>
> There is a bug in the software. If you have the sub-receiver on AM and the
> main receiver on SSB and hit transmit, the head phone audio disappears. It
> was an old problem and was corrected and then introduced as a "new" feature
> in the latest addition. Do a reset and then don't use AM on the
> sub-receiver until the new software is released.
>
>
>
> 73,
>
> John
>
>
>
> -----
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of jddksk
> Sent: Tuesday, January 13, 2009 9:12 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Receiver muted after AT use
>
>
>
> --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com,
> "jddksk" <jddksk@...> wrote:
>> --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com,
> "Mike March" <lmmarch@> wrote:
>>> I have a similar issue...the receive audio is muted only to the
>> front
>>> panel headphone jack. I am not using the AT as I use an
> amplifier.
>>> The only way to restore the audio is to turn the rig off and then
> on

>>> again. I have tried a system reset and a ram reset but it still
>>> occurs from time to time.
>>>
>>>
>>> My issue with the Orion is when I turn on the auto tuner it
> tunes
>> the
>>>> load just fine but, when returning back to receive the receiver
>> audio
>>>> is muted.
>> Thanks Mike
>> Yep! real bummer I guess it's back to the external tuner for me.
>>
>> 73 Dave
>
> I called Ten tec and they had me do a master reset-memory clear on
> the rig.After reset muted receiver issue still there, it seems to be
> only on 20m-10m? so much for QSK on these bands for now. Dave
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>

4717. ORION 2 For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-14 20:06:52 UTC
From: w2iw@yahoo.com
Topic: 4717 Message: 4717

Hello All, I had put a post on the reflector yesterday and after giving it some thought and due to my in experience in listing items for sale I thought it best to list a price.

I have an Orion 2 for sale a must sell! It comes complete with a 1.6, 6oo and 300 Hz filters. It also comes with the 302R Encoder/Keypad as well as with the latest firmware. The rig is excellent shape both in and out and comes from an non smoking environment.

I'm asking $1,800.00 a sacrifice but I must sell. Interested parties please contact me off list at W2IW@... or may call 919-441-2211
Sent from my BlackBerry Smartphone provided by Alltel

4718. Re: [orion565] ORION 2 For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-14 23:36:56 UTC
From: Mike March
Topic: 4717 Message: 4718

Interested in the Orion 2.
Is it still available?

73, Mike K4QU

On Wed, Jan 14, 2009 at 3:06 PM, <w2iw@...> wrote:

> Hello All, I had put a post on the reflector yesterday and after giving it
> some thought and due to my in experience in listing items for sale I thought
> it best to list a price.
>
> I have an Orion 2 for sale a must sell! It comes complete with a 1.6, 6oo
> and 300 Hz filters. It also comes with the 302R Encoder/Keypad as well as
> with the latest firmware. The rig is excellent shape both in and out and
> comes from an non smoking environment.
>
> I'm asking $1,800.00 a sacrifice but I must sell. Interested parties please
> contact me off list at W2IW@... or may call 919-441-2211
> Sent from my BlackBerry Smartphone provided by Alltel
>
>
> ------------------------------------
>
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4719. Final Transistors

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-15 00:42:14 UTC
From: norbe1975
Topic: 4719 Message: 4719

Hi,
I was just wondering what type of finals does the orion II use? Anyone.

4720. Re: Receiver muted after AT use

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-15 04:06:41 UTC
From: jddksk
Topic: 4703 Message: 4720

I have used my sub receiver in AM mode for SWL, but doing a master reset-memory clear did notthing to solve the problem it still persist. Battery reset did this happen with a master reset or is this some other procedure I've missed?

73 W6MQI Dave

--- In orion565@yahoogroups.com, Martin <martin@...> wrote:
>
> This problem appears here also with both receivers in CW mode. Battery
> reset helps - if not, repeat.
>
> 73,
> Martin OK1RR
>
> John T. Fleming napsal(a):
> > Dave,
> >
> >
> >
> > There is a bug in the software. If you have the sub-receiver on AM and the
> > main receiver on SSB and hit transmit, the head phone audio disappears. It
> > was an old problem and was corrected and then introduced as a "new" feature
> > in the latest addition. Do a reset and then don't use AM on the
> > sub-receiver until the new software is released.
> >
> >
> >
> > 73,
> >
> > John
> >
> >
> >
> > _____
> >
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > Of jddksk
> > Sent: Tuesday, January 13, 2009 9:12 PM
> > To: orion565@yahoogroups.com

> > Subject: [orion565] Re: Receiver muted after AT use
> >
> >
> >
> > --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com>
s.com,
> > "jddksk" <jddksk@> wrote:
> >> --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com>
s.com,
> > "Mike March" <lmmarch@> wrote:
> >>> I have a similar issue...the receive audio is muted only to the
> >> front
> >>> panel headphone jack. I am not using the AT as I use an
> > amplifier.
> >>> The only way to restore the audio is to turn the rig off and
then
> > on
> >>> again. I have tried a system reset and a ram reset but it still
> >>> occurs from time to time.
> >>>
> >>>
> >>> My issue with the Orion is when I turn on the auto tuner it
> > tunes
> >> the
> >>>> load just fine but, when returning back to receive the
receiver
> >> audio
> >>>> is muted.
> >> Thanks Mike
> >> Yep! real bummer I guess it's back to the external tuner for me.
> >>
> >> 73 Dave
> >
> > I called Ten tec and they had me do a master reset-memory clear
on
> > the rig.After reset muted receiver issue still there, it seems to
be
> > only on 20m-10m? so much for QSK on these bands for now. Dave
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
>

4721. Orion will not transmit with HRD?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-15 15:55:36 UTC
From: jddksk
Topic: 4721 Message: 4721

I have been using HRD (Ham radio deluxe)with a Ten tec Omni six plus, and a Donner computer interface for several years now with out any problems. So I decided to hook up the Orion 1 via AUX I/O with a Donner interface to run with HRD, well what the heck I can't seem to get HRD, WSJT, Hamscope, or any other software to key the Orion is there a trick here I'm not seeing? Dave

4722. Re: Orion 1 software upgrade question

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-15 16:20:03 UTC
From: eduardomontana
Topic: 4705 Message: 4722

You are 100% correct, in all counts.
I am running 2.062a software version, the other 2.04b7 is DSO
version, it has the V2 mod as well.

Only minor detail is the button is not MENU but MENUS (with an s at
least on my radio) at the end.

Thanks a bunch for the prompt reply.

Did I say that I LOVE the radio?

73's to all from VE3YZR
Eduardo Montana

--- In orion565@yahoogroups.com, "Martin Ewing" <martin.s.ewing@...>
wrote:
>
> If you watch the "splash" screen carefully, you will see both
numbers.
> 2.062a refers to the overall firmware version, and 2.04b7 is
the "DSP
> version" -- that is (I guess) separate code that runs in the SHARC
DSP
> processors. You can examine this info at more leisure after boot-
up by
> pressing and holding the "MENU" button. It also tells you if
the "v2
> hardware mod" is installed.
>
> I don't know why TT thinks we need to know the DSP version, since
it only
> changes when the main firmware version changes.
>
> 73 Martin AA6E
>
> On Tue, Jan 13, 2009 at 10:18 AM, eduardomontana
<edmontana@...>wrote:
>
> > I have a question that i am wandering is someone can help.
> > I have an Orion 1, with the latest software V 2.062a; when I turn
the
> > radio on the Orion's display states "2.04b7", i don't know if it
is
> > supposed to match that of the software; hence my question.
> > I love the rig, it is far better than my Yaesu 1000D, trick is you
> > have to know how to use attenuator, programmable AGC and RF

controls,
> > set them once never touch them again (unless you're changing your
> > intended purpose, therefore fitness for purpose needs to be
revised).
> >
> > Regards from VE3YZR
> >
> >
> > ------------------------------------
> >
> >
> > Yahoo! Groups Links
> >
> >
> >
> >
>
>
> --
> Martin Ewing, AA6E
> Branford, CT
>
>
> [Non-text portions of this message have been removed]
>

4723. Re: Orion will not transmit with HRD?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-16 20:24:11 UTC
From: jddksk
Topic: 4721 Message: 4723

--- In orion565@yahoogroups.com, "jddksk" <jddksk@...> wrote:
>
> I have been using HRD (Ham radio deluxe)with a Ten tec Omni six plus,
> and a Donner computer interface for several years now with out any
> problems. So I decided to hook up the Orion 1 via AUX I/O with a
> Donner interface to run with HRD, well what the heck I can't seem to
> get HRD, WSJT, Hamscope, or any other software to key the Orion is
> there a trick here I'm not seeing? Dave
>
Fixed two issues faulty AUX I/O din socket on back of Orion and
reversed factory wiring on Donner computer interface on the audio
lines, output was input and input was output. Aux socket was easy to
fix but a bugger to find intermittent connection. Dave

4724. Re: Visual representation of Orion AGC function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-19 08:03:37 UTC
From: pa1ap
Topic: 4660 Message: 4724

Greetings,

Been reading through various materials, watching the ten-tec TV show (recommended) and studied some more material.

Found documentation written by YT1NT which was written very clear too and it seems to describe version 2 implementation.

Sinisa (YT1NT) writes that everything below threshold is treated with linear response. A weak signal will still sound weak and a little stronger signal (but still below threshold) will sound a little louder. In essence, as visualized through the pictures, the AGC is inactive below threshold. Still doesn't address the Decay variable though...

I am starting to believe that Decay does not come into play prior to threshold exceed condition. It makes sense from the literal meaning of Decay at least..... seems there is just linear amplification in the area between zero and threshold and above threshold the Decay value dynamically changes the gain distribution (in other words compress the signal).

The danger of putting the threshold too high is that your speaker(s) will burst into flames when a very loud signal suddenly arrives at your antenna. Putting the threshold at minimum level will compress the noise as received on the antenna, which is demonstrated and described in the manual too.

Couple of days and i will have the unit on my desk. Installed a new antenna to survive until summer time allows me to install the real antennas. Right now its to cold and wet to be outside...

I had an interesting answer from tentec sales and they might organize a tentec tv session on this topic. I am crossing my fingers for that one!

Best regards,
Onno pa1ap

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Seems I wasn't that far off with my draft. Merle has send me a great
> picture from tentec which describes the pre and post 1.372 release.
> Granted it doesn't describe release 2 but it helps for sure. Check
> the photo section for more details.
>
> Reading through all other suggestions as received by email. There are
> lots of good ideas and suggestions! Thanks you all for sharing.

>
> The visual representation is getting more complete by the day and
> please keep suggestions coming.
>
> Best regards,
> onno pa1ap
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Ok, below my first attempt to reflect what I have learned so far.
> Hope
> > constructive advice and guidance can be provided by the group!
> Looking
> > forward.
> >
> > Description visual representation Orion AGC p3 (see photo section)
> >
> > Firmware post 1.372
> >
> > Reference picture; element 2
> > Within the receiver there is DSP based AGC and Analog AGC. The DSP
> AGC
> > controls from 0% up to 72% of total gain and Analog AGC controls the
> > 72%-100% range.
> >
> > Reference picture; element 3
> > Element 3 connects the Threshold setting to the DSP AGC starting
> > value. Its like a slider you can move to the left or to the right to
> > determine where the DSP AGC will start taking effect. In other words
> > the Threshold cam decrease DSP AGC control area. For example one
> could
> > move the threshold to the right and set it to 40%. The DSP AGC would
> > at that moment only control the last part of the DSP AGC range
> > (40-72%).... Any signal between 0% and 40% would remain uncompressed
> > and hence sound will vary based on signal strength, until you decide
> > to include Decay into the discussion.....
> >
> > Reference picture; element 4
> >
> > Two events within this element; conform threshold and exceed
> threshold
> >
> > Conform threshold;
> > I am confused about the statement Decay in relationship to increased
> > gain. The manual describes Decay in the following manner;
> > "Decay is used to determin how fast the if gain increases in the
> > absence of a signal above the threshold value" [rev3 feb 2005].
> > although Decay refers to decreasing a value, here its used while
> > looking from the oposite direction. Anyway, signals below threshold
> > will not be compressed and their volume will increase following the

> > Decay setting....
> >
> > Exceed threshold;
> > Surely signals exceeding the threshold require compression to avoid
> > the speaker to bust into flames. There is no reference made on how
> > this actually takes place but I assume it is actually the same Decay
> > value but hopefully someone can explain or confirm.
> >
> > Reference picture; element 1
> >
> > The RF Gain dial range includes both DSP and analog AGC. One thing
> to
> > realize is that the start of RF Gain is determined by the Threshold
> > value. In other words, setting threshold at a high value will
> decrease
> > the operating range of the RF Gain dial.
> >
> > Reference picture; element 5
> >
> > Taking the total dynamic range of the receiver and map it to the DSP
> > AGC and Analog AGC.
> >
> >
> > Taking examples from the manual and applying them to the picture;
> >
> > Example 1;
> > "adjust threshold value to a high value, like 31.91uV. Note how
> > overall receiver noise has dropped with the gain reduction."
> >
> > I believe what they mean with this is that because the start value
> of
> > the RF Gain dial has moved to the right the net result of that
> action
> > is that the gain is decreased. I assume this is the same as
> saying "we
> > decreased the dynamic range".. How this relates to the Decay value
> for
> > signals below threshold is unclear to me... any advice?
> >
> > Example 2;
> > "Listning to band noise with the threshold set to the lowest value
> and
> > the RF Gain set at 100. With these settings, receiver gain is at
> > maximum".
> >
> > Is my understanding wrong this case assumes band noise to exceed the
> > threshold?
> >
> > Example 3;
> >

> > "At thresholds near the noise floor, all signal are boosted to meet
> > the output-level criterion".
> >
> > I admit, in case you did not think already, I'm lost on this
> > statement.... I assume the output level criterion refers to the
> signal
> > level arriving at my ears through the audio chain (AF volume
> dial)....
> > How does this connect the things together?
> >
> >
> > I hope someone can advice and provide guidance. I really like to
> learn
> > how the AGC operates.
> >
> > Thanks and best regards,
> > Onno, pa1ap
> >
> >
> >
> >
> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > >
> > > Greetings Merle,
> > >
> > > Thank you for providing this clear description about the changes
> > > applies in v1 to v2 migration. I will continue trying to visualize
> > > 1.372 agc implementation to support my own understanding. If you
> could
> > > provide guidance on my findings that would be excellent!
> > >
> > > Thanks and best regards,
> > > Onno
> > >
> > >
> > > --- In orion565@yahoogroups.com, "w0ewm" <hmbone1@> wrote:
> > > >
> > > > Barry said:
> > > > --
> > > > "The gain distribution that worked well in 1.372/3 was abandoned
> > in the
> > > > v2 re-write and I can't recall ever seeing a technical
> description of
> > > > v2 gain distribution."
> > > > --
> > > > Barry is correct that the gain distribution across the Orion
> > > > significantly changed in the V2 Orion/Orion II code rewrite (By
> the
> > > > way, except for the "display code,"and a couple of other
> differences

> > > > in the roofing filter switching, the Orion and Orion II DSP
> code have
> > > > been the same - up to the current release). After Doug Smith
> left,
> > > > TenTec needed to "fix" the stability issue in the V1 code. As
> part of
> > > > doing that, the decision was made to "redesign the code in the
> > > > Orion/Orion II" to be a closer "design match" to the design in
> the
> > > > Jupiter and other previous TenTec rigs that used DSP chips
> (This was a
> > > > "huge change decision"). This resulted in the design of the V1
> code
> > > > being changed for much of the functionality that was in the
> signal
> > > > detector functions (CW/balanced modulator/demodulator etc) and
> > > > everything that followed to the AF audio output to the audio
> amplifier
> > > > chips. This included the design of the notch functions - which
> were
> > > > audio based in the Jupiter - meaning that the notch did not
> removed
> > > > the carrier impact on the AGC. This also resulted in a big
> change in
> > > > the "overall feedback structure" in the V2 code from the V1
> code.
> > > > TenTec said this was "needed" to "fix" a "small signal" "noise"
> issue
> > > > in the V1 code - surprisingly this was never detected either by
> the
> > > > ARRL tests of the Orion or the Sherwood engineering tests -
> seemed, to
> > > > me, like a "red herring" to justify the redesign that created
> many
> > > > level problems in the V2 code. This resulted in some very
> strange
> > > > "ideas" about using AGC hang and other adjustments to reduce the
> > > > distortion caused by peak signal overload issues that were
> created by
> > > > the redesign and the changes in the feedback control loops.
> Thus,
> > > > began the "gain distribution tweeking" that has never really
> cleaned
> > > > up the distortion issues. The last few changes included AGC
> design
> > > > changes - in conjunction with work with Rob Sherwood - to try to
> > > > reduce the impact of short pulse noise on the gain of the
> Orion/Orion
> > > > II RF gain - this has to do with the "blazing speed" of action
> of the

> > > > computer controlled AGC versus the old analog design "capacitor
> > > > charge/discharge" AGC circuits.
> > > >
> > > > In fairness, TenTec did make some big improvements in the later
> issues
> > > > of the V2 code in areas like the performance of the voice
> compression,
> > > > which had been wonderful in the V1 code and really broken in
> the early
> > > > V2 rewrites. The Noise Reduction code in the V1 code actually
> was
> > > > quite sophisticated and used four different kinds of filters to
> try to
> > > > reduce noise - even in cw operation. In the V2 code TenTec
> changed the
> > > > code to be essentially an LMS (Least Mean Square) single high
> pass
> > > > filter with a "soft squelch function." Some people liked one or
> the
> > > > other implementations better - as with all things, it depended
> on how
> > > > you used (Setup in operation) your Orion/Orion II. Overall, I
> like the
> > > > performance/functionality of the V1 code much better then the
> V2 vode.
> > > > If you haven't seen the performance of an Orion - with the V1
> code -
> > > > you haven't seen how good an Orion can be. On the other hand,
> if you
> > > > haven't lost the subreceiver, while working a rare DX pilup, you
> > > > haven't seen how bad the V1 code can be.
> > > >
> > > > I look forward to seeing what TenTec has achieved in the new
> > > > Orion/OrionII firmware. I told one of the TenTec principals
> that I
> > > > would buy an Orion II the day after the V2 code was as good as
> the
> > > > V1.373b5 code - but stable. I'm still using the Orion.
> > > > Merle - W0EWM
> > > >
> > > >
> > > > --- In orion565@yahoogroups.com, "Barry N1EU" <barry.n1eu@>
> wrote:
> > > > >
> > > > > On Thu, Jan 8, 2009 at 3:39 AM, pa1ap <pa1ap@> wrote:
> > > > >
> > > > > >
> > > > > > Now the challenge... My guess is that Doug described the
> > > > > > functionality with reference to some release 1 code. I have
> seen a

> > > > > > document that prior 1.37 code the RF gain control was only
> on the
> > > > > > > hardware and post 1.37 the RF gain control controlled both
> dsp
> > > and hw
> > > > > > > agc. Am i correct here?
> > > > > >
> > > > > > The major change occurred in v1.372 (pre-release version
> 1.372b23).
> > > > > > Prior to v1.372, you had to adjust both RF Gain (30dB analog
> > gain) and
> > > > > > AGC Threshold (80dB dsp gain) to control Orion's total gain of
> > 110dB.
> > > > > > With 1.372 and 1.373, the functions were combined so that you
> > only had
> > > > > > to adjust RF Gain (110dB combined gain) during routine use
> after a
> > > > > > one-time setting of the AGC Threshold to a low value (e.g.
> 1uV).
> > > > > >
> > > > > > The gain distribution that worked well in 1.372/3 was
> abandoned
> > in the
> > > > > > v2 re-write and I can't recall ever seeing a technical
> > description of
> > > > > > v2 gain distribution. I do know that many of us found v2 rx
> > gain much
> > > > > > more difficult to control to get the receiver set up correctly
> > for any
> > > > > > given band conditions.
> > > > > >
> > > > > > 73,
> > > > > > Barry N1EU
> > > > > >
> > > > >
> > > >
> > >
> >
>

4725. COmparison o2 vs MKVF?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-23 10:36:33 UTC
From: photo2000a
Topic: 4725 Message: 4725

hi

Was toying with the idea of getting a O2, wonder if someone might have done a comparison they could share with me.

In particular what i am looking for is mostly comparing it's Receive capablities, specifically in local (to the shack) man made noise situations (IE NOT other ham signals,)noise like the misc. stuff you would find in a urban envoronment

If someone could compare how the O2 receiver it's ability to filter out the above and perhaps compared to a rig I know such as the Yaesu Mark VF that would be great.

thanks very much

N2EHG

4726. Re: [orion565] COmparison o2 vs MKVF?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-23 10:48:32 UTC
From: chris ramsay
Topic: 4725 Message: 4726

don't know anything about yaesu mark 5 but really don't think my orion 2 does such a great job of filtering out line noise. the only exception is that using the sharp cw filter it does go away but on ssb the noise blankers distort the audio to the point it is not a pleasure to listen to it.

think my kenwood 950 h has a better noise blanking system.

Chris Ramsay bn4ye.
----- Original Message -----
From: photo2000a
To: orion565@yahoogroups.com
Sent: Friday, January 23, 2009 5:36 AM
Subject: [orion565] COmparison o2 vs MKVF?

hi

Was toying with the idea of getting a O2, wonder if someone might have done a comparison they could share with me.

In particular what i am looking for is mostly comparing it's Receive capablities, specifically in local (to the shack) man made noise situations (IE NOT other ham signals,)noise like the misc. stuff you would find in a urban envoronment

If someone could compare how the O2 receiver it's ability to filter out the above and perhaps compared to a rig I know such as the Yaesu Mark VF that would be great.

thanks very much

N2EHG

[Non-text portions of this message have been removed]

4727. Re: COmparison o2 vs MKVF?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-23 13:54:00 UTC
From: k4ten
Topic: 4725 Message: 4727

I can't compare it to the Yaesu, however I can say that the Orion II is worlds better than the Icom IC756proII I had. The Orion II gets rid of my local noise. The Icom wouldn't even touch it. (I had both rigs at the same time and could do an A/B comparison)

Frankie
K4TEN

--- In orion565@yahoogroups.com, "photo2000a" <photo2000a@...> wrote:
>
> hi
>
> Was toying with the idea of getting a O2, wonder if someone might have done a
> comparison they could share with me.
>
> In particular what i am looking for is mostly comparing it's Receive capablities,
> specifically in local (to the shack) man made noise situations (IE NOT other ham signals,
>)noise like the misc. stuff you would find in a urban envoronment
>
> If someone could compare how the O2 receiver it's ability to filter out the above and
> perhaps compared to a rig I know such as the Yaesu Mark VF that would be great.
>
>
>
>
> thanks very much
>
> N2EHG
>

4728. Re: [orion565] Re: COmparison o2 vs MKVF?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-23 14:36:28 UTC
From: Yuri VE3XB
Topic: 4725 Message: 4728

I've done a comparison between O2 and MKV (not a Field version but they are very similar).
I ran A-B tests by switching the same antenna on different bands.
Both radios had full sets of filters and MKV also had Inrad roofing filter.

I never had an occasion when one radio couldn't pick up a signal that other could, no matter how weak that signal was. In the contests environment Orion acted somewhat better and it's DSP filters did greater job on very narrow bandwidth. This feature also gives ability to change bandwidth more smoothly comparing to Yaesu's set of separate filters.

Orion's audio is definitely better and gives ability to distinguish between two or more signals when on MarkV on tight filters it was more difficult to achieve. On the other hand MKV audio amp is impossible to overdrive while Orion's will produce distortions on big signals though the specs on it's output IC are considered to be very good.

To fight local noise crimes Orion has better NB and is able to work in presence of big neighboring signals. Sometimes receive becomes so crystal clear that you think that the interference's gone but when you switch NB off - it still there.

DSP noise reduction I find useless on both radios.

Hope it'll give you some idea about these radios.

73 Yuri VE3XB

>> Was toying with the idea of getting a O2, wonder if
> someone might have done a
>> comparison they could share with me.
>>
>> In particular what i am looking for is mostly comparing it's
> Receive capablities,
>> specifically in local (to the shack) man made noise situations
> (IE NOT other ham signals,
>>)noise like the misc. stuff you would find in a urban envoronment
>>
>> If someone could compare how the O2 receiver it's ability to
> filter out the above and
>> perhaps compared to a rig I know such as the Yaesu Mark VF
> that would be great.
>>
>>
>>
>>
>> thanks very much

>>
>> N2EHG

4729. BCB Bleedover on my OI

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-23 14:46:52 UTC
From: Earl
Topic: 4729 Message: 4729

Greeting All,
I live 2 miles from the Mexican border in El Paso, TX. My problem has always been interference from BCB stations causing interference to my Orion I on most bands. I cleaned up all my grounds and this helped.
I have 2 KIWA BCB filters. Using the RX receiver antenna hooked up to the Orion, I have inserted these Filters and completely eliminated the BCB interference.
Does anyone know how I can insert these filters just before the PRESELECTOR and solve my problem.
J3 on the Preselector board A6 looks like the place to insert these BCB filters without compromising the radio. I would series them in using small coax and mounting the filters in the open spaces available in the Orion.
Does anyone think my idea would work without causing problems with the radio? These Kiwa Filters even eliminate BCB stuff from 160 meters during my tests using the RX ANT.
Regards,
Earl, K5FTE
K5fte@...

4730. Re: COmparison o2 vs MKVF?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-23 16:10:39 UTC
From: Tom Todd W2TOD
Topic: 4725 Message: 4730

--- In orion565@yahoogroups.com, "chris ramsay" <cramsay@...> wrote:
>The O2 noise blanker works great on my local street light noise
which is pretty intense at times, I have to use the H--hardware
blanker, push and hold NB button H appears, DSP blanker works on some
but Hardware works on power line noise, some slight distortion at
times but not objecitonable, dependes on strenght of nearby signals
and proximity, (My Radio, My noise, My Settings).

> don't know anything about yaesu mark 5 but really
don't think my orion 2 does such a great job of filtering out line
noise. the only exception is that using the sharp cw filter it does
go away but on ssb the noise blankers distort the audio to the point
it is not a pleasure to listen to it.
>
> think my kenwood 950 h has a better noise blanking system.
>
> Chris Ramsay bn4ye.
> ----- Original Message -----
> From: photo2000a
> To: orion565@yahoogroups.com
> Sent: Friday, January 23, 2009 5:36 AM
> Subject: [orion565] COmparison o2 vs MKVF?
>
>
> hi
>
> Was toying with the idea of getting a O2, wonder if someone might
have done a
> comparison they could share with me.
>
> In particular what i am looking for is mostly comparing it's
Receive capablities,
> specifically in local (to the shack) man made noise situations
(IE NOT other ham signals,
>)noise like the misc. stuff you would find in a urban envoronment
>
> If someone could compare how the O2 receiver it's ability to
filter out the above and
> perhaps compared to a rig I know such as the Yaesu Mark VF that
would be great.
>
> thanks very much
>
> N2EHG
>

>
>
>
>
> [Non-text portions of this message have been removed]
>

4731. O2 H--(Hardware) noise blanker

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-23 16:22:48 UTC
From: Tom Todd W2TOD
Topic: 4725 Message: 4731

-I didn't do so well on the previous post-- Below (I hope) is my reply--
> >The O2 noise blanker works great on my local street light noise
> which is pretty intense at times, I have to use the H--hardware
> blanker, push and hold NB button H appears--Page 13 & 32 in my manual, DSP blanker works on some
> but Hardware works on power line noise, some slight distortion at
> times but not objecitonable, dependes on strenght of nearby signals
> and proximity, (My Radio, My noise, My Settings). Thanks--Tom W2TOD
>
> > don't know anything about yaesu mark 5 but really
> don't think my orion 2 does such a great job of filtering out line
> noise. the only exception is that using the sharp cw filter it does
> go away but on ssb the noise blankers distort the audio to the point
> it is not a pleasure to listen to it.
> >
> > think my kenwood 950 h has a better noise blanking system.
> >
> > Chris Ramsay bn4ye.
> > ----- Original Message -----
> > From: photo2000a
> > To: orion565@yahoogroups.com
> > Sent: Friday, January 23, 2009 5:36 AM
> > Subject: [orion565] COmparison o2 vs MKVF?
> >
> >
> > hi
> >
> > Was toying with the idea of getting a O2, wonder if someone might
> have done a
> > comparison they could share with me.
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> > In particular what i am looking for is mostly comparing it's
> Receive capablities,
> > specifically in local (to the shack) man made noise situations
> (IE NOT other ham signals,
> >)noise like the misc. stuff you would find in a urban envoronment
> >
> > If someone could compare how the O2 receiver it's ability to
> filter out the above and
> > perhaps compared to a rig I know such as the Yaesu Mark VF that

> would be great.
> >
> > thanks very much
> >
> > N2EHG
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

4732. RE:Comparison O2 vs. MKVF

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-23 17:58:21 UTC
From: Bill Axelrod
Topic: 4732 Message: 4732

I have an O2 and a Yaesu FT-1000 MP MK-V. I use them side-by-side doing SO2R in contests and usually have both turned on for every day operations. They are very different radios with very different strengths and weaknesses.

The noise blanker and DSP based Noise reduction circuitry in the FT-1000 work better for me than the equivalent in the O2. I have observed this action in two separate QTHs, one very very rural, and now in a more crowded, but somewhat rural setting.

That said, I can copy weaker signals in heavy QRN (atmospheric) much better on the O2 than with my Yaesu using the same antenna for these comparisons. Especially when I narrow down the bandwidth. I should say that I have a full set of filters in the Yaesu and a full set of roofing filters in the O2.

Other comments. There is no question that the O2 is much better in contesting environments where the bands are full of strong signals. The FT-1000MP is pretty good; the O2 is outstanding. I do like the crisp sound of signals in the Yaesu better than the "softer" sound of the O2. That's a matter of taste.

Bottom line: I have both. Which one I use depends on what I'm doing, band conditions and crowding, and, frankly my mood at the moment, I can't bring myself to get rid of either.

73... Bill ND9E

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, January 23, 2009 7:29 AM
To: orion565@yahoogroups.com
Subject: [orion565] Digest Number 1153

1a.

<http://groups.yahoo.com/group/orion565/message/4725;_ylc=X3oDMTJyMTltZXVvBF
9TAzk3MzU5NzE1BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM0NzI1BH
NlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzEyMzI3MTczMzU-> COmparison o2 vs MKVF?

Posted by: "photo2000a" <mailto:photo2000a@...?Subject=
Re%3ACOmparison%20o2%20vs%20MKVF%3F> photo2000a@...
<http://profiles.yahoo.com/photo2000a> photo2000a

Fri Jan 23, 2009 2:36 am (PST)

hi

Was toying with the idea of getting a O2, wonder if someone might have done a
comparison they could share with me.

In particular what i am looking for is mostly comparing it's Receive capablities,
specifically in local (to the shack) man made noise situations (IE NOT other ham signals,
)noise like the misc. stuff you would find in a urban envoronment

If someone could compare how the O2 receiver it's ability to filter out the above and
perhaps compared to a rig I know such as the Yaesu Mark VF that would be great.

thanks very much

N2EHG

[Non-text portions of this message have been removed]

4733. Re:tnx- RE:Comparison O2 vs. MKVF

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-23 22:51:04 UTC
From: photo2000a
Topic: 4732 Message: 4733

---

thanks very much to all those that replied

really appreciate it

was thinking it would be great if some company rented rigs so you can test them out
to either see how you liked them or if a particular rig solved a 'problem'

seems like it 'might' offer me a leg up on my particular issue (building got a
new elevator system using a magnatec 600 elevator motor controller, guess it's a scr
what i can say is it produces s9 noise

non of my current rigs (markvf & ts2000x) have the slightest effect on the noise, not
that i suspeced it would.

But the MKVF will typically pull a few of the louader signals out beter then the ts2000
which got me thinking perhaps a better rig like a o2 or 7800 or ft9000 might
either be a bit better mitigating the noise itself albiet a bit of a sttetch, or just being
a
better rx might help pluck out a few more signals from the noise than say my current
MkVF which does have the roofing inrad filter

again really appreciate all the info

n2ehg

4734. RE: [orion565] Re:tnx- RE:Comparison O2 vs. MKVF

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-24 00:06:06 UTC
From: Mike Schatzberg
Topic: 4732 Message: 4734

Hello: Did your Mark V seem any better before you installed the roofing filter mod? The two stage IF amp has too much gain for the first IF. If you get better results without the extra 1st IF filter, you can modify the Inrad board to lower the gain, and perhaps reduce the noise and improve your noise blanker performance. Pse visit my wesite via QRZ.com for the details as to how to make the mod. Also, Ten Tec has a no quible policy on returns during the trial period. Give them a call for details. 73 and Happy DXing, Mike W2AJI

-----Original Message-----
From: photo2000a
Sent: 1/23/2009 10:51:04 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re:tnx- RE:Comparison O2 vs. MKVF
---

thanks very much to all those that replied

really appreciate it

was thinking it would be great if some company rented rigs so you can test them out
to either see how you liked them or if a particular rig solved a 'problem'

seems like it 'might' offer me a leg up on my particular issue (building got a
new elevator system using a magnatec 600 elevator motor controller, guess it's a scr
what i can say is it produces s9 noise

non of my current rigs (markvf & ts2000x) have the slightest effect on the noise, not
that i suspeced it would.

But the MKVF will typically pull a few of the louader signals out beter then the ts2000
which got me thinking perhaps a better rig like a o2 or 7800 or ft9000 might
either be a bit better mitigating the noise itself albiet a bit of a sttetch, or just being
a
better rx might help pluck out a few more signals from the noise than say my current
MkVF which does have the roofing inrad filter

again really appreciate all the info

n2ehg

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4735. Re: [orion565] Re:tnx- RE:Comparison O2 vs. MKVF

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-24 01:11:51 UTC
From: N9ETD@AOL.COM
Topic: 4732 Message: 4735

TEN TEC does have the 30 day full refund return policy. If for any reason you don't like it send it back.

73, Craig N9ETD
**********A Good Credit Score is 700 or Above. See yours in just 2 easy steps!
(http://pr.atwola.com/promoclk/100000075x1215855013x1201028747/aol?redir=http://www.freecreditreport.com/pm/default.aspx?sc=668072%26hmpgID=62%26bcd=DecemailfooterNO62)

[Non-text portions of this message have been removed]

4736. FS: Orion-I and spare parts deal

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-24 18:26:33 UTC
From: Dick Green
Topic: 4736 Message: 4736

I have for sale an Orion-I with automatic antenna tuner, optional 1.8 KHz, INRAD 600 Hz and 250 Hz roofing filters, 302R remote encoder/keypad, 963 12V power supply, spare connectors and fuse, manual, box. Has the cool new rubber rings on all three VFO knobs (the old rings are included, too.) Updated in 2006 by factory, including V2 mod. V1.373b5 currently installed, but will install V2 if buyer desires. Excellent operating condition. $2,100 plus shipping CONUS. Will deduct $80 if power supply not desired.

If you like to repair your own rigs, here's a deal: I have a second Orion-I that was lightning damaged and declared "unrepairable" by TenTec. Surge entered via RS-232 port, and fried the RS-232 level converter and CPU. Something in the power input stage on the I/O board is fried as well. The T/R relay is missing from the I/O board, but have a brand-new spare that's included. The IF Converter board has a spur and is missing the ALC trim pot. Remaining boards are probably OK, but can't guarantee. All boards have been pulled from the rig except the CPU/LCD board. Not likely this rig can be fixed, and TenTec may not sell replacement boards for this purpose. But it's a great spare-parts depot for the right buyer. Even if the boards aren't reliable, they can be used for testing. The switches, rotary encoders, knobs, LCD screen, meter, connectors, cables, chassis, covers and many other parts are fine. Not only that, it has a complete set of optional filters: INRAD 600 Hz, 500Hz and 250Hz. No antenna tuner. $375 plus shipping CONUS for buyer of above radio, $475 plus shipping if bought separately. The optional filters alone are worth a good portion of the price. Save $25 and lots of shipping cost: will pull the front panel and ship with boards if chassis and covers are not desired.

73, Dick WC1M

4737. testing serial communication on orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-25 16:04:32 UTC
From: pa1ap
Topic: 4737 Message: 4737

Greetings,

I am trying to upgrade the Orion 565 and it seems the serial connection is wrong. Not sure about the issue.

Is there a manual / document which describes how to control the rig through serial communication? For example running windows hyperterminal and then type some control commands...

Whats the speed I need to set on the program and are there easy to type commands to get some feedback from the rig?

Suppose the serial port is broken on the set (my bad luck...) any experience repairing this?

Thanks and best regards,
Onno pa1ap

4738. Re: [orion565] testing serial communication on orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-25 16:17:01 UTC
From: earl harris
Topic: 4737 Message: 4738

Onno,
In the update window go to settings and go to COM4. This is what my radio needs. You may have to select another COM number from the drop down.

Good Luck,
Earl, K5FTE
----- Original Message -----
From: pa1ap
To: orion565@yahoogroups.com
Sent: Sunday, January 25, 2009 9:04 AM
Subject: [orion565] testing serial communication on orion 565

Greetings,

I am trying to upgrade the Orion 565 and it seems the serial connection is wrong. Not sure about the issue.

Is there a manual / document which describes how to control the rig through serial communication? For example running windows hyperterminal and then type some control commands...

Whats the speed I need to set on the program and are there easy to type commands to get some feedback from the rig?

Suppose the serial port is broken on the set (my bad luck...) any experience repairing this?

Thanks and best regards,
Onno pa1ap

[Non-text portions of this message have been removed]

4739. Re: testing serial communication on orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-25 17:06:55 UTC
From: pa1ap
Topic: 4737 Message: 4739

I tried all of them, also checked which port it should be, but no result. Also the rig control program does not connect. So it seems to be faulty cable or port. Where can i find which pin is which function on orion (rx/ tx) and if flow control or hardware control is needed?

Thanks and best regards,
Onno

--- In orion565@yahoogroups.com, "earl harris" <k5fte@...> wrote:
>
> Onno,
> In the update window go to settings and go to COM4. This is what my radio needs. You may have to select another COM number from the drop down.
>
> Good Luck,
> Earl, K5FTE
> ----- Original Message -----
> From: pa1ap
> To: orion565@yahoogroups.com
> Sent: Sunday, January 25, 2009 9:04 AM
> Subject: [orion565] testing serial communication on orion 565
>
>
> Greetings,
>
> I am trying to upgrade the Orion 565 and it seems the serial connection
> is wrong. Not sure about the issue.
>
> Is there a manual / document which describes how to control the rig
> through serial communication? For example running windows hyperterminal
> and then type some control commands...
>
> Whats the speed I need to set on the program and are there easy to type
> commands to get some feedback from the rig?
>
> Suppose the serial port is broken on the set (my bad luck...) any
> experience repairing this?
>
> Thanks and best regards,
> Onno pa1ap

>
>
>
>
>
> [Non-text portions of this message have been removed]
>

4740. RE: [orion565] Re: testing serial communication on orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-25 17:31:08 UTC
From: John T. Fleming
Topic: 4737 Message: 4740

Onno,

Are you using a straight serial cable? Don't confuse it with a modem cable which has a cross over on some wires.

73 and good luck,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Sunday, January 25, 2009 12:07 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: testing serial communication on orion 565

I tried all of them, also checked which port it should be, but no result. Also the rig control program does not connect. So it seems to be faulty cable or port. Where can i find which pin is which function on orion (rx/ tx) and if flow control or hardware control is needed?

Thanks and best regards,
Onno

--- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, "earl harris" <k5fte@...> wrote:
>
> Onno,
> In the update window go to settings and go to COM4. This is what my radio needs. You may have to select another COM number from the drop down.
>
> Good Luck,
> Earl, K5FTE
> ----- Original Message -----
> From: pa1ap
> To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> Sent: Sunday, January 25, 2009 9:04 AM
> Subject: [orion565] testing serial communication on orion 565
>
>
> Greetings,
>
> I am trying to upgrade the Orion 565 and it seems the serial connection
> is wrong. Not sure about the issue.

>
> Is there a manual / document which describes how to control the
rig
> through serial communication? For example running windows
hyperterminal
> and then type some control commands...
>
> Whats the speed I need to set on the program and are there easy
to type
> commands to get some feedback from the rig?
>
> Suppose the serial port is broken on the set (my bad luck...) any
> experience repairing this?
>
> Thanks and best regards,
> Onno pa1ap

[Non-text portions of this message have been removed]

4741. Re: [orion565] Re: testing serial communication on orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-25 17:43:15 UTC
From: retire@means.net
Topic: 4737 Message: 4741

Onno,
Sent via BlackBerry from T-Mobile

-----Original Message-----
From: "pa1ap" <pa1ap@...>

Date: Sun, 25 Jan 2009 17:06:55
To: <orion565@yahoogroups.com>
Subject: [orion565] Re: testing serial communication on orion 565

I tried all of them, also checked which port it should be, but no result. Also the rig control program does not connect. So it seems to be faulty cable or port. Where can i find which pin is which function on orion (rx/ tx) and if flow control or hardware control is needed?

Thanks and best regards,
Onno

--- In orion565@yahoogroups.com, "earl harris" <k5fte@...> wrote:
>
> Onno,
> In the update window go to settings and go to COM4. This is what my radio needs. You may have to select another COM number from the drop down.
>
> Good Luck,
> Earl, K5FTE
> ----- Original Message -----
> From: pa1ap
> To: orion565@yahoogroups.com
> Sent: Sunday, January 25, 2009 9:04 AM
> Subject: [orion565] testing serial communication on orion 565
>
>
> Greetings,
>
> I am trying to upgrade the Orion 565 and it seems the serial connection
> is wrong. Not sure about the issue.
>
> Is there a manual / document which describes how to control the rig
> through serial communication? For example running windows hyperterminal
> and then type some control commands...
>

> Whats the speed I need to set on the program and are there easy
to type
> commands to get some feedback from the rig?
>
> Suppose the serial port is broken on the set (my bad luck...) any
> experience repairing this?
>
> Thanks and best regards,
> Onno pa1ap
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

4742. Re: [orion565] Re: testing serial communication on orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-25 17:46:26 UTC
From: retire@means.net
Topic: 4737 Message: 4742

Onno,

If you are in the USA please give me your phone number and I'll be happy to call you and talk you though thi process.

Reply to w0pr@... and we'll get this matter off the reflector.

Larry, W0PR
Northfield, MN
Sent via BlackBerry from T-Mobile

-----Original Message-----
From: "pa1ap" <pa1ap@...>

Date: Sun, 25 Jan 2009 17:06:55
To: <orion565@yahoogroups.com>
Subject: [orion565] Re: testing serial communication on orion 565

I tried all of them, also checked which port it should be, but no result. Also the rig control program does not connect. So it seems to be faulty cable or port. Where can i find which pin is which function on orion (rx/ tx) and if flow control or hardware control is needed?

Thanks and best regards,
Onno

--- In orion565@yahoogroups.com, "earl harris" <k5fte@...> wrote:
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> Onno,
> In the update window go to settings and go to COM4. This is what my radio needs. You may have to select another COM number from the drop down.
>
> Good Luck,
> Earl, K5FTE
> ----- Original Message -----
> From: pa1ap
> To: orion565@yahoogroups.com
> Sent: Sunday, January 25, 2009 9:04 AM
> Subject: [orion565] testing serial communication on orion 565
>
>
> Greetings,
>
> I am trying to upgrade the Orion 565 and it seems the serial connection
> is wrong. Not sure about the issue.

>
> Is there a manual / document which describes how to control the
rig
> through serial communication? For example running windows
hyperterminal
> and then type some control commands...
>
> Whats the speed I need to set on the program and are there easy
to type
> commands to get some feedback from the rig?
>
> Suppose the serial port is broken on the set (my bad luck...) any
> experience repairing this?
>
> Thanks and best regards,
> Onno pa1ap
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

4743. Re: testing serial communication on orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-25 22:05:59 UTC
From: w0ewm
Topic: 4737 Message: 4743

The port settings for the Orion are 57,600 baud, no parity, 8 data
bits, one stop bit. The host program should be set to use RTS/CTS
signaling. The Programmers Reference Guide is on the Ten-Tec site.
73, Merle - W0EWM

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings,
>
> I am trying to upgrade the Orion 565 and it seems the serial connection
> is wrong. Not sure about the issue.
>
> Is there a manual / document which describes how to control the rig
> through serial communication? For example running windows hyperterminal
> and then type some control commands...
>
> Whats the speed I need to set on the program and are there easy to type
> commands to get some feedback from the rig?
>
> Suppose the serial port is broken on the set (my bad luck...) any
> experience repairing this?
>
> Thanks and best regards,
> Onno pa1ap
>

4744. menu delay explaination

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-25 22:53:30 UTC
From: pa1ap
Topic: 4744 Message: 4744

Greetings,

It sounds like a logical and easy to understand feature on the orion
but somehow i'm missing the point/goal of it. Can someone advice what
this feature does and what happens if i set it to for example 5
seconds....

Thanks and best regards
Onno, pa1ap

4746. RF Feedback hints and tips orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-26 19:21:33 UTC
From: pa1ap
Topic: 4746 Message: 4746

Greetings,

Hope some can provide advice on connecting Heil mic to orion 565.

Already found that the 4 pins plug really needs to provide good ground and I tried to get this done at best way. However i am still having issues with voice communication. ALC is behaving weird, alc led doesnt really acts as expected on peaks (doesnt do much) regardless of speech level. Power goes up and down up to 100watts but i get the feeling rf feedback is occuring. Also through mon i can hardly hear what i am saying through the mic.

Perhaps someone can advice on what to check. Did i miss something on the orion menu's? Is there perhaps a known issue with the orions as produced in 2004?

Anyway, thanks for your help in advance!

best regards,
Onno

4748. Re: [orion565] RF Feedback hints and tips orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-26 21:55:39 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 4746 Message: 4748

Not only do I have a Heil connected to my Orion II, but I also use W2IHY's 8 band Equalizer and Noise Gate as well as his EQplus. They are wonderful additions to any radio but even nicer on this Orion II.

Although I buy and use Bob's (Heil) products, I do not trust his cables. Usually the ground wire is just tucked under the mic connector, plus the Orion cable I received was wired incorrectly, pins 5 (PTT gnd) and 7 (Mic gnd) were tied together. This was the proper wiring for some of the older radios, but not the newer ones. That caused a noticable hum in my audio.

73,
Sam
K3SAM

_____
From: "catfishtwo@..." <catfishtwo@...>
To: orion565@yahoogroups.com
Sent: Monday, January 26, 2009 3:58:50 PM
Subject: Re: [orion565] RF Feedback hints and tips orion 565

I have one on my orion, using the standard 4 pin mic cable from heil and it
works fine. it has a black color code and is made for the ten tec 4 pin
radios. no problem

Tom
N6AJR

In a message dated 1/26/2009 11:21:58 A.M. Pacific Standard Time,
pa1ap@nextchallenge .net writes:

Greetings,

Hope some can provide advice on connecting Heil mic to orion 565.

Already found that the 4 pins plug really needs to provide good ground
and I tried to get this done at best way. However i am still having
issues with voice communication. ALC is behaving weird, alc led doesnt
really acts as expected on peaks (doesnt do much) regardless of speech
level. Power goes up and down up to 100watts but i get the feeling rf
feedback is occuring. Also through mon i can hardly hear what i am
saying through the mic.

Perhaps someone can advice on what to check. Did i miss something on
the orion menu's? Is there perhaps a known issue with the orions as
produced in 2004?

Anyway, thanks for your help in advance!

best regards,
Onno

********** **From Wall Street to Main Street and everywhere in between, stay up-to-date with the latest news. (http://aol.com? ncid=emlcntaolco m00000023)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4749. Re: [orion565] RF Feedback hints and tips orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-27 01:42:19 UTC
From: Bruce Small
Topic: 4746 Message: 4749

Make sure that the mic ground line is not connected to the chassis
ground (or PTT ground line). Doing this in the 565 will produce
distorted audio.
GL,
Bruce, KM2L

pa1ap wrote:
>
> Greetings,
>
> Hope some can provide advice on connecting Heil mic to orion 565.
>
> Already found that the 4 pins plug really needs to provide good ground
> and I tried to get this done at best way. However i am still having
> issues with voice communication. ALC is behaving weird, alc led doesnt
> really acts as expected on peaks (doesnt do much) regardless of speech
> level. Power goes up and down up to 100watts but i get the feeling rf
> feedback is occuring. Also through mon i can hardly hear what i am
> saying through the mic.
>
> Perhaps someone can advice on what to check. Did i miss something on
> the orion menu's? Is there perhaps a known issue with the orions as
> produced in 2004?
>
> Anyway, thanks for your help in advance!
>
> best regards,
> Onno
>
>

4750. Re: RF Feedback hints and tips orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-27 11:58:00 UTC
From: pa1ap
Topic: 4746 Message: 4750

Greetings all,

Thanks for the replies. I learned that my orion does not have the modified mic plug (i measure resistance between ground and pin 2 of connector) and this maybe part of the issue as found. I have send email to ten-tec to ask advice on what to do next.

It seems productions post June 2004 included some modification and pin 2 seems to be connected to chassis. Does someone have more background information on this?

Also is the 4 pin chassis connector something which can be replaced easily for a better connector? In other words is it mounted with a flange and are pins connected with wires going to a pcb board?

Thanks for advice!!

73, onno pa1ap

Thanks and best regards,
onno, pa1ap

--- In orion565@yahoogroups.com, Bruce Small <BruceSmall73@...> wrote:
>
> Make sure that the mic ground line is not connected to the chassis
> ground (or PTT ground line). Doing this in the 565 will produce
> distorted audio.
> GL,
> Bruce, KM2L
>
> pa1ap wrote:
> >
> > Greetings,
> >
> > Hope some can provide advice on connecting Heil mic to orion 565.
> >
> > Already found that the 4 pins plug really needs to provide good
ground
> > and I tried to get this done at best way. However i am still
having
> > issues with voice communication. ALC is behaving weird, alc led
doesnt
> > really acts as expected on peaks (doesnt do much) regardless of
speech
> > level. Power goes up and down up to 100watts but i get the
feeling rf
> > feedback is occuring. Also through mon i can hardly hear what i am

> > saying through the mic.
> >
> > Perhaps someone can advice on what to check. Did i miss something
on
> > the orion menu's? Is there perhaps a known issue with the orions
as
> > produced in 2004?
> >
> > Anyway, thanks for your help in advance!
> >
> > best regards,
> > Onno
> >
> >
>

4751. Re: RF Feedback hints and tips orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-27 23:51:52 UTC
From: Brad
Topic: 4746 Message: 4751

Onno,

Not sure what mic you are trying to connect, however, I have run the Pro set, Pro Set Plus and the PR781 with my OII.

The Pro set and Pro set plus connected without issue for me. The Heil wired PR781 (XLR to 4 pin) was a complete disaster. Heil does some compensatory wiring as noted on their web site which for the Orion was completely contradictory to the mic schematic and the radio's needs.

I would check that if that's what you are using. I re-pinned the Heil cable at the radio side per the TT schematic in the manual and all was fine. Prior to the fix I was getting strange feedback and could also hear a 50KW radio station 20 miles away in my monitor on a key down with no audio. After the mic wiring fix - no issues.

Brad

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings all,
>
> Thanks for the replies. I learned that my orion does not have the
> modified mic plug (i measure resistance between ground and pin 2 of
> connector) and this maybe part of the issue as found. I have send
> email to ten-tec to ask advice on what to do next.
>
> It seems productions post June 2004 included some modification and
> pin 2 seems to be connected to chassis. Does someone have more
> background information on this?
>
> Also is the 4 pin chassis connector something which can be replaced
> easily for a better connector? In other words is it mounted with a
> flange and are pins connected with wires going to a pcb board?
>
> Thanks for advice!!
>
> 73, onno pa1ap
>
>
>
>
>
>
>
> Thanks and best regards,

> onno, pa1ap
>
> --- In orion565@yahoogroups.com, Bruce Small <BruceSmall73@> wrote:
> >
> > Make sure that the mic ground line is not connected to the chassis
> > ground (or PTT ground line). Doing this in the 565 will produce
> > distorted audio.
> > GL,
> > Bruce, KM2L
> >
> > pa1ap wrote:
> > >
> > > Greetings,
> > >
> > > Hope some can provide advice on connecting Heil mic to orion 565.
> > >
> > > Already found that the 4 pins plug really needs to provide good
> ground
> > > and I tried to get this done at best way. However i am still
> having
> > > issues with voice communication. ALC is behaving weird, alc led
> doesnt
> > > really acts as expected on peaks (doesnt do much) regardless of
> speech
> > > level. Power goes up and down up to 100watts but i get the
> feeling rf
> > > feedback is occuring. Also through mon i can hardly hear what i am
> > > saying through the mic.
> > >
> > > Perhaps someone can advice on what to check. Did i miss something
> on
> > > the orion menu's? Is there perhaps a known issue with the orions
> as
> > > produced in 2004?
> > >
> > > Anyway, thanks for your help in advance!
> > >
> > > best regards,
> > > Onno
> > >
> > >
> > >
>

4752. Re: RF Feedback hints and tips orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-28 13:06:52 UTC
From: pa1ap
Topic: 4746 Message: 4752

Greetings Brad,

Thanks for your reply! I am using Handimic pro (HM-PRO) which has 4 pin xlr going into this curly heil mic cable. Indeed several wires were connected in parallel and i decided to take that heil cable out. I replaced by shielded mic cable i had available and each mic pin has its own lead with shield. Connected the mic pin1 and pin 2 to the leads and the shield connected to mic body. Ensured pin 1 and 2 on mic were indeed not connected to shield. Then at the tentec connector I connected pin 1 and pin 2 and shield to chassis....

RF feedback is reduced but not gone. Then I included a feriet clamb and it got better.

What i still notice is the following;

1) Power meter does not follow the audio nicely, it seems to have its own life
2) ALC sometimes works well and then suddenly it completely stops
3) Modulation remains very weak, which might be caused by the mic itself,however on the kenwood ts-2000 it just worked without issue..
4) I MUST use compressor to get ALC active. With compressor off it simply doesnt kick the ALC

I also noticed you need a headphone to use monitor. And even then I have difficulty hearing my own voice.

Seem the mic is not sensitive enough to modulate the transmitter.

Best regards,
Onno, pa1ap

--- In orion565@yahoogroups.com, "Brad " <bradld@...> wrote:
>
> Onno,
>
> Not sure what mic you are trying to connect, however, I have run the
> Pro set, Pro Set Plus and the PR781 with my OII.
>
> The Pro set and Pro set plus connected without issue for me. The Heil
> wired PR781 (XLR to 4 pin) was a complete disaster. Heil does some
> compensatory wiring as noted on their web site which for the Orion was
> completely contradictory to the mic schematic and the radio's needs.
>

> I would check that if that's what you are using. I re-pinned the
Heil
> cable at the radio side per the TT schematic in the manual and all
was
> fine. Prior to the fix I was getting strange feedback and could
also
> hear a 50KW radio station 20 miles away in my monitor on a key down
> with no audio. After the mic wiring fix - no issues.
>
> Brad
>
>
>
>
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Greetings all,
> >
> > Thanks for the replies. I learned that my orion does not have the
> > modified mic plug (i measure resistance between ground and pin 2
of
> > connector) and this maybe part of the issue as found. I have send
> > email to ten-tec to ask advice on what to do next.
> >
> > It seems productions post June 2004 included some modification
and
> > pin 2 seems to be connected to chassis. Does someone have more
> > background information on this?
> >
> > Also is the 4 pin chassis connector something which can be
replaced
> > easily for a better connector? In other words is it mounted with
a
> > flange and are pins connected with wires going to a pcb board?
> >
> > Thanks for advice!!
> >
> > 73, onno pa1ap
> >
> >
> >
> >
> >
> >
> >
> > Thanks and best regards,
> > onno, pa1ap
> >
> > --- In orion565@yahoogroups.com, Bruce Small <BruceSmall73@>

wrote:
> > >
> > > Make sure that the mic ground line is not connected to the
chassis
> > > ground (or PTT ground line). Doing this in the 565 will produce
> > > distorted audio.
> > > GL,
> > > Bruce, KM2L
> > >
> > > pa1ap wrote:
> > > >
> > > > Greetings,
> > > >
> > > > Hope some can provide advice on connecting Heil mic to orion
565.
> > > >
> > > > Already found that the 4 pins plug really needs to provide
good
> > ground
> > > > and I tried to get this done at best way. However i am still
> > having
> > > > issues with voice communication. ALC is behaving weird, alc
led
> > doesnt
> > > > really acts as expected on peaks (doesnt do much) regardless
of
> > speech
> > > > level. Power goes up and down up to 100watts but i get the
> > feeling rf
> > > > feedback is occuring. Also through mon i can hardly hear what
i am
> > > > saying through the mic.
> > > >
> > > > Perhaps someone can advice on what to check. Did i miss
something
> > on
> > > > the orion menu's? Is there perhaps a known issue with the
orions
> > as
> > > > produced in 2004?
> > > >
> > > > Anyway, thanks for your help in advance!
> > > >
> > > > best regards,
> > > > Onno
> > > >
> > > >
> > >
> >
>

4753. Re: testing serial communication on orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-28 13:12:45 UTC
From: pa1ap
Topic: 4737 Message: 4753

Spoke with the fine people from tentec and there is a high degree of certainty that the max232 [U600] (level convertor chip) is defective. This requires the unit to be returned since the max232 is located on the logic board and component is smd... I have contacted the "local" service center in UK and asked them if it would be possible to ship the logic board only since that would be much easier to do.

Topic and challenge closed... Work in progress to fix the issue... It wasnt the cable, software or human error causing the issue.

Thanks all for all your advice!

Best regards,
Onno pa1ap

--- In orion565@yahoogroups.com, "w0ewm" <hmbone1@...> wrote:
>
> The port settings for the Orion are 57,600 baud, no parity, 8 data
> bits, one stop bit. The host program should be set to use RTS/CTS
> signaling. The Programmers Reference Guide is on the Ten-Tec site.
> 73, Merle - W0EWM
>
>
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Greetings,
> >
> > I am trying to upgrade the Orion 565 and it seems the serial
connection
> > is wrong. Not sure about the issue.
> >
> > Is there a manual / document which describes how to control the
rig
> > through serial communication? For example running windows
hyperterminal
> > and then type some control commands...
> >
> > Whats the speed I need to set on the program and are there easy
to type
> > commands to get some feedback from the rig?
> >
> > Suppose the serial port is broken on the set (my bad luck...) any
> > experience repairing this?
> >
> > Thanks and best regards,

> > 0nno pa1ap
> >
>

4754. Re: RF Feedback hints and tips orion 565 [topic closed]

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-28 19:33:05 UTC
From: pa1ap
Topic: 4746 Message: 4754

Ten-Tec customer service is excellent. Today i contacted ten-tec uk to discuss shipment of the logic board with defective max232 level converter and while talking the engineer just checked serial number and said he would (with permission of course) take care of RF feedback and revision 2 hw update. The rf feedback requires a modification of the coax cable and/or connector on the logic board. After that modification the engineers said it would reduce or even remove the rf feedback issue.... I have browsed around on the net but not found any reference to this (just curious) but i am sure its in good hands.

Thanks and best regards,
Onno

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings Brad,
>
> Thanks for your reply! I am using Handimic pro (HM-PRO) which has 4
> pin xlr going into this curly heil mic cable. Indeed several wires
> were connected in parallel and i decided to take that heil cable
out.
> I replaced by shielded mic cable i had available and each mic pin
has
> its own lead with shield. Connected the mic pin1 and pin 2 to the
> leads and the shield connected to mic body. Ensured pin 1 and 2 on
> mic were indeed not connected to shield. Then at the tentec
connector
> I connected pin 1 and pin 2 and shield to chassis....
>
> RF feedback is reduced but not gone. Then I included a feriet clamb
> and it got better.
>
> What i still notice is the following;
>
> 1) Power meter does not follow the audio nicely, it seems to have
its
> own life
> 2) ALC sometimes works well and then suddenly it completely stops
> 3) Modulation remains very weak, which might be caused by the mic
> itself,however on the kenwood ts-2000 it just worked without issue..
> 4) I MUST use compressor to get ALC active. With compressor off it
> simply doesnt kick the ALC
>
> I also noticed you need a headphone to use monitor. And even then I

> have difficulty hearing my own voice.
>
> Seem the mic is not sensitive enough to modulate the transmitter.
>
> Best regards,
> Onno, pa1ap
>
>
> --- In orion565@yahoogroups.com, "Brad " <bradld@> wrote:
> >
> > Onno,
> >
> > Not sure what mic you are trying to connect, however, I have
run
> the
> > Pro set, Pro Set Plus and the PR781 with my OII.
> >
> > The Pro set and Pro set plus connected without issue for me. The
> Heil
> > wired PR781 (XLR to 4 pin) was a complete disaster. Heil does
some
> > compensatory wiring as noted on their web site which for the
Orion
> was
> > completely contradictory to the mic schematic and the radio's
needs.
> >
> > I would check that if that's what you are using. I re-pinned the
> Heil
> > cable at the radio side per the TT schematic in the manual and
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> was
> > fine. Prior to the fix I was getting strange feedback and could
> also
> > hear a 50KW radio station 20 miles away in my monitor on a key
down
> > with no audio. After the mic wiring fix - no issues.
> >
> > Brad
> >
> >
> >
> >
> >
> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > >
> > > Greetings all,
> > >
> > > Thanks for the replies. I learned that my orion does not have
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> > > modified mic plug (i measure resistance between ground and pin
2
> of
> > > connector) and this maybe part of the issue as found. I have
send
> > > email to ten-tec to ask advice on what to do next.
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> > > It seems productions post June 2004 included some modification
> and
> > > pin 2 seems to be connected to chassis. Does someone have more
> > > background information on this?
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> > > Also is the 4 pin chassis connector something which can be
> replaced
> > > easily for a better connector? In other words is it mounted
with
> a
> > > flange and are pins connected with wires going to a pcb board?
> > >
> > > Thanks for advice!!
> > >
> > > 73, onno pa1ap
> > >
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> > >
> > >
> > > Thanks and best regards,
> > > onno, pa1ap
> > >
> > > --- In orion565@yahoogroups.com, Bruce Small <BruceSmall73@>
> wrote:
> > > >
> > > > Make sure that the mic ground line is not connected to the
> chassis
> > > > ground (or PTT ground line). Doing this in the 565 will
produce
> > > > distorted audio.
> > > > GL,
> > > > Bruce, KM2L
> > > >
> > > > pa1ap wrote:
> > > > >
> > > > > Greetings,
> > > > >
> > > > > Hope some can provide advice on connecting Heil mic to
orion
> 565.

> > > > >
> > > > > Already found that the 4 pins plug really needs to provide
> good
> > > ground
> > > > > and I tried to get this done at best way. However i am
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> > > > > issues with voice communication. ALC is behaving weird, alc
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> > > > > really acts as expected on peaks (doesnt do much)
regardless
> of
> > > speech
> > > > > level. Power goes up and down up to 100watts but i get the
> > > feeling rf
> > > > > feedback is occuring. Also through mon i can hardly hear
what
> i am
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> > > > >
> > > > > Perhaps someone can advice on what to check. Did i miss
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> orions
> > > as
> > > > > produced in 2004?
> > > > >
> > > > > Anyway, thanks for your help in advance!
> > > > >
> > > > > best regards,
> > > > > Onno
> > > > >
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> > > >
> > >
> >
>

4755. TR2000

Yahoo group: orion565 (2009 — 2013)
Date: 2009-01-30 16:20:46 UTC
From: loconut35
Topic: 4755 Message: 4755

Has anyone useed the Warren Gregoire MODEL TR-2000 COMMUNICATIONS HEADSET with the an Orion. Wondering about the audio quality and hookup? Lynn, W2MSJ

4756. Orion on RTTY (AFSK)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-01 12:13:53 UTC
From: rganddy
Topic: 4756 Message: 4756

I am using a PK-232MBX with my Orion for RTTY AFSK. I can't seem to get enough audio out. On 20 meters, for example, the meter shows around the 60-70 watts range, and the ALC light never lights. I have turned the pot on the back of the PK for AFSK level to maximum. I also have set the Aux Input Gain on the Orion to 100, still not enough. Any ideas? Thank you and 73 de...Ralph Gray W9RIG

4757. Re: [orion565] Orion on RTTY (AFSK)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-01 17:32:50 UTC
From: Bob Davis
Topic: 4756 Message: 4757

I run FSK on my Orion using the PK-232MBX.

Bob, WG7Y
----- Original Message -----
From: "rganddy" <rganddy@...>
To: <orion565@yahoogroups.com>
Sent: Sunday, February 01, 2009 5:13 AM
Subject: [orion565] Orion on RTTY (AFSK)

>I am using a PK-232MBX with my Orion for RTTY AFSK. I can't seem to get
> enough audio out. On 20 meters, for example, the meter shows around the
> 60-70 watts range, and the ALC light never lights. I have turned the
> pot on the back of the PK for AFSK level to maximum. I also have set
> the Aux Input Gain on the Orion to 100, still not enough. Any ideas?
> Thank you and 73 de...Ralph Gray W9RIG
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>
>
>

4758. Re: [orion565] Orion on RTTY (AFSK)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-01 17:58:01 UTC
From: Dick Williams
Topic: 4756 Message: 4758

Why don't you try running FSK? Works great with the O2, and you don't have to worry about setting any audio gain, over driving,,etc etc.

Good luck

Dick K8ZTT
----- Original Message -----
From: rganddy
To: orion565@yahoogroups.com
Sent: Sunday, February 01, 2009 5:13 AM
Subject: [orion565] Orion on RTTY (AFSK)

I am using a PK-232MBX with my Orion for RTTY AFSK. I can't seem to get enough audio out. On 20 meters, for example, the meter shows around the 60-70 watts range, and the ALC light never lights. I have turned the pot on the back of the PK for AFSK level to maximum. I also have set the Aux Input Gain on the Orion to 100, still not enough. Any ideas? Thank you and 73 de...Ralph Gray W9RIG

[Non-text portions of this message have been removed]

4759. Re: [orion565] Orion on RTTY (AFSK)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-01 20:37:00 UTC
From: David H Walker
Topic: 4756 Message: 4759

Maybe you should check the sound cards WAVE setting. Should be at about 3/4 full or maybe full. Also Mic gain on the Orion should possibly be increased so that the ALC is just glowing. Not good for PSK but ok for the rtty signal. I have no problem with AFSK even though I run FSK on the Orion. A lot easier.73
David

On Sun, Feb 1, 2009 at 12:32 PM, Bob Davis <davisent@...> wrote:

> I run FSK on my Orion using the PK-232MBX.
>
> Bob, WG7Y
>
> ----- Original Message -----
> From: "rganddy" <rganddy@... <rganddy%40yahoo.com>>
> To: <orion565@yahoogroups.com <orion565%40yahoogroups.com>>
> Sent: Sunday, February 01, 2009 5:13 AM
> Subject: [orion565] Orion on RTTY (AFSK)
>
> >I am using a PK-232MBX with my Orion for RTTY AFSK. I can't seem to get
> > enough audio out. On 20 meters, for example, the meter shows around the
> > 60-70 watts range, and the ALC light never lights. I have turned the
> > pot on the back of the PK for AFSK level to maximum. I also have set
> > the Aux Input Gain on the Orion to 100, still not enough. Any ideas?
> > Thank you and 73 de...Ralph Gray W9RIG
> >
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> > ------------------------------------
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> >
> > Yahoo! Groups Links
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>

--
K0COP
David H. Walker
PO Box 2378
Aiken, SC 29802
Time=EST

FAX=803 648 2921

[Non-text portions of this message have been removed]

4760. VHF transverter with 566

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-02 16:23:09 UTC
From: breagler
Topic: 4760 Message: 4760

Has anyone used either a ten tec or other VHF transverter with the
orion II?

Looking at 2 meter SSB work.

73

GB
kd5nvc

4761. Re: VHF transverter with 566

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-02 17:00:51 UTC
From: w0ewm
Topic: 4760 Message: 4761

I have used the Elecraft XV-50 transverter with the Orion. I used the transverter output on the Orion. It worked just fine. The setup for transverters depends on the rf power reqirements for the transverter, what kind of antenna configurations it supports to the transceiver and the control signal requirements. Connecting the XV-50 was not difficult. I used the 28MHz band on the Orion to get the bottom 2 Mhz of the 6 Meter band.
73, Merle - W0EWM

--- In orion565@yahoogroups.com, "breagler" <glenn.breaux@...> wrote:
>
> Has anyone used either a ten tec or other VHF transverter with the
> orion II?
>
> Looking at 2 meter SSB work.
>
> 73
>
> GB
> kd5nvc
>

4762. Re: [SPAM][orion565] VHF transverter with 566

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-02 20:59:18 UTC
From: Dave Sublette
Topic: 4760 Message: 4762

I have used the Orion II to drive Down East Microwave transverters for three years. I drive 50 through 432 Mhz transverters. I us "User 2" to set up the radio for 1 watt out on antenna jack 2. The O II is tuned to the 28 mhz band, which is the IF used on each f the transverters. I use an old Ameritron remote antenna switch to "bandswitch" between the four transverters. The PTT output of the Orion is used to key the transverters. It works very well.

73,

Dave, K4TO

breagler wrote:
>
>
> Has anyone used either a ten tec or other VHF transverter with the
> orion II?
>
> Looking at 2 meter SSB work.
>
> 73
>
> GB
> kd5nvc
>
>

4763. Re: VHF transverter with 566

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-02 22:41:49 UTC
From: ve7tk
Topic: 4760 Message: 4763

I have used a T-T 6 metre transverter with my 565 in the past and now have an SSB LT-6S. The Ten-Tec transverter used the antenna #2 output while the SSB uses the transverter output. Both work VERY well. The T-T transverter is at 14 MHz and 50 out while the SSB is 28 MHz in and 50 out.

I use(d) the N4PY software to control the transverter and that took care of switching antennas and lowering the power with the Ten-Tec transverter and switching the transverter output and controlling the 6 metre amp with the SSB.

So - very happy.

73,
Rick
VE7TK

--- In orion565@yahoogroups.com, "breagler" <glenn.breaux@...> wrote:
>
> Has anyone used either a ten tec or other VHF transverter with the
> orion II?
>
> Looking at 2 meter SSB work.
>
> 73
>
> GB
> kd5nvc
>

4764. RE: [orion565] Orion on RTTY (AFSK)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-06 16:35:50 UTC
From: Larry Menzel
Topic: 4756 Message: 4764

I would have to ask why you're using AFSK? FSK, which the PK232 does just great, is much superior to AFSK. You don't have audio problems with FSK and it's more efficient as well. Do you ever see 100 watt peaks when operating SSB? I never do, so I don't think you'll see more than what you're seeing now with AFSK. I'm no technician, gawd knows, but one of you who is, might address peak output power on ssb (afsk) for Ralph.

I recommend that you reconfigure your PK232 for FSK operation and you'll then see better power out as well, I suspect.

Larry, W0PR

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of rganddy
Sent: Sunday, February 01, 2009 6:14 AM
To: orion565@yahoogroups.com
Subject: [orion565] Orion on RTTY (AFSK)

I am using a PK-232MBX with my Orion for RTTY AFSK. I can't seem to get enough audio out. On 20 meters, for example, the meter shows around the 60-70 watts range, and the ALC light never lights. I have turned the pot on the back of the PK for AFSK level to maximum. I also have set the Aux Input Gain on the Orion to 100, still not enough. Any ideas? Thank you and 73 de...Ralph Gray W9RIG

[Non-text portions of this message have been removed]

4765. Order Info please

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-06 22:24:09 UTC
From: PERRY
Topic: 4765 Message: 4765

I am looking to buy a orion II soon
How long does it take ?
What options are just a must ?

Perry
WA8THK
Gaines, Mich

4766. Re: [orion565] Order Info please

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-06 23:12:43 UTC
From: Peter Frenning [OZ1PIF]
Topic: 4765 Message: 4766

PERRY skrev:
> I am looking to buy a orion II soon
> How long does it take ?
> What options are just a must ?
>
> Perry
> WA8THK
> Gaines, Mich
>
Go do it Perry, don't walk, run. Seriously though, unless you take your
CW very seriously, it's pretty much complete as is, if you do, by all
means get the 600 and 300Hz filters while you're at it.
I included the 708 desk mike when I got mine about a month and a half
ago, and I love it and the reports it's getting me.
Good luck on your acquisition, you won't regret it.

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

4767. Re: [orion565] Order Info please

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-06 23:18:33 UTC
From: k4elo@fastmail.fm
Topic: 4765 Message: 4767

> I am looking to buy a orion II soon
> How long does it take ?
> What options are just a must ?

Should only take a few days if they are in stock Perry. Get the optional filters and the fan if you plan to run real rtty.

It's a great rig. I have never regretted buying mine.

73,
Wayne
K4ELO
k4elo@...

4768. Re: [orion565] Order Info please

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-06 23:23:00 UTC
From: N9ETD@AOL.COM
Topic: 4765 Message: 4768

Hi Perry,
I think I received mine within a week or so of placing the order..

Some of the options I would add are;
1. I would buy it with the antenna tuner installed even if you won't use.
First off because the resale value would be higher if you even decide to sell it,
and second because I've been told unless you're really technically inclined
it's not that easy to install in the field.
2. Buy it with all the optional roofing filters included as it will perform
beyond your expectations with all 6 installed.
3. The fan is good if you're going to run RTTY, but I bought it even tho I
don't use it on RTTY alot. $ 35.00 at the time I thought was cheap insurance.

I love the radio, and it hears things my Yaesu 1000 MP Mark V can't. I know
you'll enjoy it also.

73, Craig N9ETD
**********Great Deals on Dell Laptops. Starting at $499.
(http://pr.atwola.com/promoclk/100000075x1217883258x1201191827/aol?redir=http://ad.doubleclick.
net/clk;211531132;33070124;e)

[Non-text portions of this message have been removed]

4769. Re: Order Info please

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-06 23:54:43 UTC
From: PERRY
Topic: 4765 Message: 4769

Thanks Guys
did not think about a Fan
so I will add that to the list
I dont run RTTY now but maybe I will later

I guess the extra Filters wont add too much more $$$
over a 10 years of owner ship

I Guess I will take my cell phone to work with me Monday and
give them a Call
(Maybe they are open Saturdays ???)

Perry

--- In orion565@yahoogroups.com, "PERRY" <wa8thk@...> wrote:
>
> I am looking to buy a orion II soon
> How long does it take ?
> What options are just a must ?
>
> Perry
> WA8THK
> Gaines, Mich
>

4770. Re: [orion565] Re: Order Info please

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-07 00:33:31 UTC
From: k4elo@fastmail.fm
Topic: 4765 Message: 4770

You can always put your order in on the website :)

73,
Wayne
K4ELO
k4elo@...

4771. Re: Order Info please

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-07 06:22:01 UTC
From: BobChortek
Topic: 4765 Message: 4771

--- In orion565@yahoogroups.com, "PERRY" <wa8thk@...> wrote:
>
> I am looking to buy a orion II soon
> How long does it take ?
> What options are just a must ?

How and under what circumstances do you plan to use the radio?

73,

Bob/AA6VB

4772. Re: Order Info please

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-07 11:16:03 UTC
From: PERRY
Topic: 4765 Message: 4772

I just seen the web site order page,
that will be the way to go, with my work sked..
My operation here is some CW , mostly 1 to 3 hour sprint type cw
contest. QRP

I work some DX CW on 160 meters , but most of the time is
hanging around 75 in the evening for the two traffic nets at 5 pm
then checking 160 LSB and cw.

--- In orion565@yahoogroups.com, "BobChortek" <robert.chortek@...>
wrote:
>
> --- In orion565@yahoogroups.com, "PERRY" <wa8thk@> wrote:
> >
> > I am looking to buy a orion II soon
> > How long does it take ?
> > What options are just a must ?
>
> How and under what circumstances do you plan to use the radio?
>
> 73,
>
>
> Bob/AA6VB
>

4773. Orion 565 VFO knobs (removing them)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-10 09:16:48 UTC
From: pa1ap
Topic: 4773 Message: 4773

Greetings dear folks,

When I turn the VFO knobs on my transceiver I notice some wearing sounds which indicate the ball bearings might be a bit dirty. To verify I would like to remove the VFO knobs and have a look. Now the easy challenge: what size of hex tool would I need for this? I have tried
all possible hex tools I have in my shack but none fit. Anybody experience with this?

Thanks for advice and best regards,

Onno, pa1ap

p.s. the serial controller has been replaced and the rig is working excellent now..!

4774. Re: [orion565] Orion 565 VFO knobs (removing them)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-10 16:44:13 UTC
From: Alan Sewell N5NA
Topic: 4773 Message: 4774

Onno,

The hex wrench you need is 0.062 inches. It is mentioned on page 4 of the manual in Figure 1-1.

The wearing sound you hear is probably the drag adjustment for the knob. You can adjust the drag by holding the silver skirt while rotating the knob. That is on page 47 of the manual. Even on the lightest setting I find the drag more than I want so I just loosen the knob and slide it out slightly.

73,

Alan N5NA

http://www.tentecwiki.org

pa1ap wrote:
> Greetings dear folks,
>
> When I turn the VFO knobs on my transceiver I notice some wearing sounds which indicate
> the ball bearings might be a bit dirty. To verify I would like to remove the VFO knobs and
> have a look. Now the easy challenge: what size of hex tool would I need for this? I have tried
> all possible hex tools I have in my shack but none fit. Anybody experience with this?
>
> Thanks for advice and best regards,
>
> Onno, pa1ap
>
> p.s. the serial controller has been replaced and the rig is working excellent now..!
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> Yahoo! Groups Links
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4775. Remotely controlling Orion via internet

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-11 01:06:32 UTC
From: Brad
Topic: 4775 Message: 4775

I have successfully remote controlled my OII using rig control software, skype and Real VNC.

One shortfall in my setup seems to be the ability to disconnect my antennas in the event of any lightning. Has anyone devised a scheme for this or is a simple arrestor such as a PolyPhaser the best possible solution?

A second area of concern seems to be powering on and off the rig remotely. Achieving this is simple, however, is it healthy for the front panel main power swith to be left on and the 13.8v power to be turned on/off, hence powering on and off the rig? Can this have adverse effects on the rig?

Thanks in advance,

Brad

4776. Re: [orion565] Remotely controlling Orion via internet

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-11 02:53:38 UTC
From: Adam Wade
Topic: 4775 Message: 4776

On Tuesday, February 10, 2009 5:06 PM [Zulu -7],
Brad <bradld@...> wrote:

> I have successfully remote controlled my OII using rig control
> software, skype and Real VNC.

Very cool! Would love to see this documented somewhere on the web if possible -- I'd like to set something like this up on an occasional basis myself.

> One shortfall in my setup seems to be the ability to disconnect my
> antennas in the event of any lightning. Has anyone devised a scheme
> for this or is a simple arrestor such as a PolyPhaser the best
> possible solution?

Well, I will shortly be getting a SteppIR BigIR vertical with full rig interface for the Orion, so in my case I'd just have the vertical element retract all the way to its lower stop, leaving just the radome in the air. You might want to also consider avoiding the lightning issue entirely by installing "sky brushes" like the pros use to keep lightning strikes from occurring anywhere near their towers -- even a stike a mile or more away can
still fry a lot of electronics, even with buried services and a huge grounding buss. Letting the charge "trickle away" will prevent a lightning

strike over a pretty decent area, also protecting your neighbors, even though they won't have a clue about that. ;)

> A second area of concern seems to be powering on and off the rig
> remotely. Achieving this is simple, however, is it healthy for the
> front panel main power swith to be left on and the 13.8v power to be
> turned on/off, hence powering on and off the rig? Can this have
> adverse effects on the rig?

Ten-Tec warns not to power the rig on and off by switching the power to the

rig, and advises only using the switch on the rig. However, the switch on the rig is clearly not isolated in any fashion, judging by the huge thump that comes out of the speaker and the spike that travels down the amp relay

cable when the rig is switched on and off with the power switch on its front
panel. I've actually been considering having the switch trip a solid state

relay or something to help prevent any potential issues with such spikes in

terms of the long-term health of the rig. Would appreciate hearing opinions

from others on that subject as well.

- de AF6ME, who got his Orion only a month ago but has been having a
serious
blast with it thus far, and has been attacking the steep learning curve --

worked Canary Islands on 20m phone today with the Orion driving a modified
AL-811 @ 500W PEP out into a Hustler 5BTV @ 8 ft. AGL w/30 elevated
radials,
so I guess I'm doing okay, with a 57 signal report from Africa!

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

4777. Re: [orion565] Remotely controlling Orion via internet

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-11 03:03:25 UTC
From: Don
Topic: 4775 Message: 4777

Brad,
I have been using my Orion II remote for two years. Leaving the power switch on and turning the astron power supply off and on remotely has had no problems. To disconnect the antennas I use a serial port switch to control two Ameritron antenna switches. I also use a telephone responder to turn all power off and on.

Don...W4TO

----- Original Message -----
From: Brad
To: orion565@yahoogroups.com
Sent: Tuesday, February 10, 2009 8:06 PM
Subject: [orion565] Remotely controlling Orion via internet

I have successfully remote controlled my OII using rig control software, skype and Real VNC.

One shortfall in my setup seems to be the ability to disconnect my antennas in the event of any lightning. Has anyone devised a scheme for this or is a simple arrestor such as a PolyPhaser the best possible solution?

A second area of concern seems to be powering on and off the rig remotely. Achieving this is simple, however, is it healthy for the front panel main power swith to be left on and the 13.8v power to be turned on/off, hence powering on and off the rig? Can this have adverse effects on the rig?

Thanks in advance,

Brad

[Non-text portions of this message have been removed]

4778. Re: Orion 565 VFO knobs (removing them)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-11 07:17:51 UTC
From: pa1ap
Topic: 4773 Message: 4778

Greetings Alan,

Thank you for advice. I did see this in the manual but i did not know which one was for the VFO knobs. The challenge for me is those wrenches seem American size and they are hard (impossible) to find in europe... However the good news is that Ten-tec sales has included them in a shipment together with some items I ordered yesterday!

I will indeed the drag and if this is controlled by the distance between knob and frontpanel the solution would be easy. Just making the distance a little bigger to allow the knob to rotate without drag.

Thanks again and best regards,
onno, pa1ap

--- In orion565@yahoogroups.com, Alan Sewell N5NA <alan.n5na@...> wrote:
>
> Onno,
>
> The hex wrench you need is 0.062 inches. It is mentioned on page 4 of
> the manual in Figure 1-1.
>
> The wearing sound you hear is probably the drag adjustment for the
> knob. You can adjust the drag by holding the silver skirt while
> rotating the knob. That is on page 47 of the manual. Even on the
> lightest setting I find the drag more than I want so I just loosen the
> knob and slide it out slightly.
>
> 73,
>
> Alan N5NA
>
> http://www.tentecwiki.org
>
>
>
> pa1ap wrote:
> > Greetings dear folks,
> >
> > When I turn the VFO knobs on my transceiver I notice some wearing sounds which indicate
> > the ball bearings might be a bit dirty. To verify I would like to remove the VFO knobs and

> > have a look. Now the easy challenge: what size of hex tool would
I need for this? I have tried
> > all possible hex tools I have in my shack but none fit. Anybody
experience with this?
> >
> > Thanks for advice and best regards,
> >
> > Onno, pa1ap
> >
> > p.s. the serial controller has been replaced and the rig is
working excellent now..!
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> > Yahoo! Groups Links
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4779. Re: Remotely controlling Orion via internet

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-11 07:36:30 UTC
From: pa1ap
Topic: 4775 Message: 4779

This sounds like a great project and I know there is lots of interest for this type of operation. Indeed documenting this would be very nice.

On the power cycle challenge I believe the challenge is the initial spike a power supply -might- produce when you switch it on. The psu might burst above 14 Volts or so which might not be the best for any equipment connected to this power supply.

On the Orion power switch the powercycle "plop" is indeed there. I am not sure if regulating this in different ways (using relays) would change that.

On static electricity care needs to be taken for sure. Depending on my shoes while walking through the radio room my esd charge compared to orion ground potential is sometimes enough to trigger the orion in a weird status. Sometimes the PBT/BW LED both light up (and stay up) when i touch the rig. Yes I did create a decent common earth for all equipment but i am not connected to that earth myself.... Just curious.... am I the only operator with static electricity triggering the Orion controls? If so... how the heck do you guys prevent charging yourself while walking over carpet and such like?

So my feeling is that lightning in the area is going to have a blast with the Orion if you are unfortunate enough. This based on my observation with ESD sensitivity.

73, onno pa1ap

--- In orion565@yahoogroups.com, "Don" <w4to@...> wrote:
>
> Brad,
> I have been using my Orion II remote for two years. Leaving the power switch on and turning the astron power supply off and on remotely has had no problems. To disconnect the antennas I use a serial port switch to control two Ameritron antenna switches. I also use a telephone responder to turn all power off and on.
>
> Don...W4TO
>
>
> ----- Original Message -----
> From: Brad
> To: orion565@yahoogroups.com
> Sent: Tuesday, February 10, 2009 8:06 PM
> Subject: [orion565] Remotely controlling Orion via internet

>
>
> I have successfully remote controlled my OII using rig control
> software, skype and Real VNC.
>
> One shortfall in my setup seems to be the ability to disconnect
my
> antennas in the event of any lightning. Has anyone devised a
scheme
> for this or is a simple arrestor such as a PolyPhaser the best
> possible solution?
>
> A second area of concern seems to be powering on and off the rig
> remotely. Achieving this is simple, however, is it healthy for
the
> front panel main power swith to be left on and the 13.8v power to
be
> turned on/off, hence powering on and off the rig? Can this have
> adverse effects on the rig?
>
> Thanks in advance,
>
> Brad
>
>
>
>
> [Non-text portions of this message have been removed]
>

4780. Re: [orion565] Re: Remotely controlling Orion via internet

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-11 08:22:41 UTC
From: Adam Wade
Topic: 4775 Message: 4780

On Tuesday, February 10, 2009 11:36 PM [Zulu -7],
pa1ap <pa1ap@...> wrote:

> On static electricity care needs to be taken for sure. Depending on
> my shoes while walking through the radio room my esd charge compared
> to orion ground potential is sometimes enough to trigger the orion in
> a weird status. Sometimes the PBT/BW LED both light up (and stay up)
> when i touch the rig. Yes I did create a decent common earth for all
> equipment but i am not connected to that earth myself.... Just
> curious.... am I the only operator with static electricity triggering
> the Orion controls? If so... how the heck do you guys prevent
> charging yourself while walking over carpet and such like?

It's quite humid where I live, so I generally don't have a static buildup
problem like folks do where it gets very cold and dry. I suppose you could

ground the metal parts of your desk, or a plate bolted near your operating
position or something, and discharge yourself to ground before touching the

rig... That might be a bit "shocking", though. ;)

> So my feeling is that lightning in the area is going to have a blast
> with the Orion if you are unfortunate enough. This based on my
> observation with ESD sensitivity.

Another good reason to consider something like "lightning brushes".

http://www.amfone.net/AMPX/114.html

Scroll down about halfway to "LIGHTNING STRIKES AGAIN". I am definitely
going to go this route myself in the very near future... It makes a heck
of
a lot of sense to me, and apparently works really well if the lack of fried

mountaintop microwave sites is any indication at all...

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

4781. Re: Remotely controlling Orion via internet

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-11 12:17:35 UTC
From: bernie_k1sa
Topic: 4775 Message: 4781

I use an internet based switch, www.webpowerswitch ,to control the on/off functions of the rig (I use an Omni 7) as well as antenna relay switching control. There would probably be an issue with compatibiliy of the voltage and power plug in PA land, though. There has been no problem at all with the radio when switching the 35 amp Astron power supply. For lightning protection I use the gas type discharge units. There is no certain protection against static discharge, however, and even a snowstorm can generate a whopping spark. I do not hook up the antennas in the summer time, when risk is greatest, but it's all a game of chance, I suspect. I plan to put in some coax relays in the spring to provide further isolation, but that probably won't do much other than make me feel better about the risk. The remote has been up over three months now without a glitch.

I would suspect you could just leave the radio on indefinitely, since the risk of humidity building up in a cold radio may be greater than the risk of heat in a radio that is on all the time. On the other hand, the Orions tend to "glitch out" from time to time and need to be shut down and restarted again, and unless you have a way to do that, your remote operation would be temporarily ended...:-)

Bernie K1SA

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> This sounds like a great project and I know there is lots of interest
> for this type of operation. Indeed documenting this would be very
> nice.
>
> On the power cycle challenge I believe the challenge is the initial
> spike a power supply -might- produce when you switch it on. The psu
> might burst above 14 Volts or so which might not be the best for any
> equipment connected to this power supply.
>
> On the Orion power switch the powercycle "plop" is indeed there. I am
> not sure if regulating this in different ways (using relays) would
> change that.
>
> On static electricity care needs to be taken for sure. Depending

on
> my shoes while walking through the radio room my esd charge
compared
> to orion ground potential is sometimes enough to trigger the orion
in
> a weird status. Sometimes the PBT/BW LED both light up (and stay
up)
> when i touch the rig. Yes I did create a decent common earth for
all
> equipment but i am not connected to that earth myself.... Just
> curious.... am I the only operator with static electricity
triggering
> the Orion controls? If so... how the heck do you guys prevent
> charging yourself while walking over carpet and such like?
>
> So my feeling is that lightning in the area is going to have a
blast
> with the Orion if you are unfortunate enough. This based on my
> observation with ESD sensitivity.
>
> 73, onno pa1ap
>
>
> --- In orion565@yahoogroups.com, "Don" <w4to@> wrote:
> >
> > Brad,
> > I have been using my Orion II remote for two years. Leaving the
> power switch on and turning the astron power supply off and on
> remotely has had no problems. To disconnect the antennas I use a
> serial port switch to control two Ameritron antenna switches. I
also
> use a telephone responder to turn all power off and on.
> >
> > Don...W4TO
> >
> >
> > ----- Original Message -----
> > From: Brad
> > To: orion565@yahoogroups.com
> > Sent: Tuesday, February 10, 2009 8:06 PM
> > Subject: [orion565] Remotely controlling Orion via internet
> >
> >
> > I have successfully remote controlled my OII using rig control
> > software, skype and Real VNC.
> >
> > One shortfall in my setup seems to be the ability to
disconnect
> my
> > antennas in the event of any lightning. Has anyone devised a

> scheme
> > for this or is a simple arrestor such as a PolyPhaser the best
> > possible solution?
> >
> > A second area of concern seems to be powering on and off the
rig
> > remotely. Achieving this is simple, however, is it healthy for
> the
> > front panel main power swith to be left on and the 13.8v power
to
> be
> > turned on/off, hence powering on and off the rig? Can this
have
> > adverse effects on the rig?
> >
> > Thanks in advance,
> >
> > Brad
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

4782. Re: Orion 565 VFO knobs (removing them)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-11 15:37:33 UTC
From: Martin Kratoska
Topic: 4773 Message: 4782

Browse my Orion Corner at:

http://www.ok1rr.com

Here is also a pictorial showing the knobs removal. Anyway, use the supplied wrenches (a small bag with 3 sizes should be included, use the middle size).

73,
Martin, OK1RR

4783. Re: Remotely controlling Orion via internet

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-12 00:12:33 UTC
From: Brad
Topic: 4775 Message: 4783

Don,
Can you provide more info on your serial switching scheme?

Thanks,

Brad

--- In orion565@yahoogroups.com, "Don" <w4to@...> wrote:
>
> Brad,
> I have been using my Orion II remote for two years. Leaving the
power switch on and turning the astron power supply off and on
remotely has had no problems. To disconnect the antennas I use a
serial port switch to control two Ameritron antenna switches. I also
use a telephone responder to turn all power off and on.
>
> Don...W4TO
>

4784. power cord with new radio ?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-13 01:17:15 UTC
From: PERRY
Topic: 4784 Message: 4784

I was looking at the order page on the ten tec site
its another $10 for the power cord ?
Perry
WA8THK

4785. Firmware change - settings question

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-13 02:09:08 UTC
From: Brad
Topic: 4785 Message: 4785

This will be an easy one for the group - when upgrading/downgrading
firmware do the "USER" memories and all the menu settings get wiped out?

Have not switched firmware for a while so can;t seen to remember.

Thanks,

Brad

4786. Re: power cord with new radio ?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-13 02:24:03 UTC
From: bernie_k1sa
Topic: 4784 Message: 4786

It comes with a power cord to go to a power suppy. That price is probably for a spare...

Bernie K1SA

--- In orion565@yahoogroups.com, "PERRY" <wa8thk@...> wrote:
>
> I was looking at the order page on the ten tec site
> its another $10 for the power cord ?
> Perry
> WA8THK
>

4787. Re: [orion565] Firmware change - settings question

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-15 02:33:18 UTC
From: Martin Ewing
Topic: 4785 Message: 4787

Yes, everything is zapped, as far as I recall from the last time I loaded
firmware. So you'd be advised to write down any special settings.

73 Martin AA6E

On Thu, Feb 12, 2009 at 9:09 PM, Brad <bradld@...> wrote:

> This will be an easy one for the group - when upgrading/downgrading
> firmware do the "USER" memories and all the menu settings get wiped out?
>
> Have not switched firmware for a while so can;t seen to remember.
>
> Thanks,
>
> Brad
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[Non-text portions of this message have been removed]

4788. RE: [orion565] Firmware change - settings question

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-15 02:36:40 UTC
From: Wes Attaway (N5WA)
Topic: 4785 Message: 4788

As I recall, there is an option to wipe, or not, the user memories. The message pops up just before you hit "go". I have not upgraded in a long time so this is strictly from memory (my own personal memory).

------------------ Wes Attaway (N5WA) ------------------

1138 Waters Edge Circle - Shreveport, LA 71106

318-797-4972 (office) - 318-393-3289 (cell)

Computer Consulting and Forensics

-------------- EnCase Certified Examiner ---------------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Martin Ewing
Sent: Saturday, February 14, 2009 8:33 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Firmware change - settings question

Yes, everything is zapped, as far as I recall from the last time I loaded firmware. So you'd be advised to write down any special settings.

73 Martin AA6E

On Thu, Feb 12, 2009 at 9:09 PM, Brad <bradld@alum.
<mailto:bradld%40alum.wpi.edu> wpi.edu> wrote:

> This will be an easy one for the group - when upgrading/downgrading
> firmware do the "USER" memories and all the menu settings get wiped out?
>
> Have not switched firmware for a while so can;t seen to remember.
>
> Thanks,
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> Brad
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4789. orion 565 (1) LCD contrast

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-15 18:09:52 UTC
From: pa1ap
Topic: 4789 Message: 4789

Greetings,

I have seen a message on the reflector regarding poor conductivity between lcd screen and logic board. Before taking the unit apart I would like to learn if more orion users have seen the same issue;

1) when the unit is switch-on after a period of no use (next day for example) the LCD contrast starts a little weak and one can see contrast being different on the left side.
2) using the menu contrast function the contrast can be changed to good
3) after 30 minutes or so the contrast becomes over the top and one has to change it back to the level originally set when switch-on

This is very notice-able using release 2 and a lot less using release 1.

Second some advice on lcd screens itself; I have cleaned the lcd screen glass using a goggle cleaning cloth (what one uses for glasses). Could it be that the LCD screen became dirty on the inside (the other side of the glass... facing the lcd elements)? And is it possible to remove the LCD glass, clean it on the inside and then put it back again? Any experience with this?

Thanks and best regards,
Onno, pa1ap

4790. Fun with K5D

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-15 18:42:37 UTC
From: Rick W
Topic: 4790 Message: 4790

The K5D Dxpedition has really been a great road test for my station. I've had a ball. My set-up with my Ten-Tec Orion, LP-PAN, CWSkimmer and N4PY software (for rig control) has made chasing this one a lot of fun!

On SSB the dual receiver control and display in the PowerSDR panadaptor software enabled me to find the holes and grab the DX. On CW the chaos on 20 metres was visual with the CWSkimmer software and I saw a bit of a pattern and finally slipped in my call. The smooth interaction of ALL that software (N4PY, LP-Bridge, CWSkimmer and PowerSDR) and hardware (Ten-Tec Orion, LP-PAN, and an external sound card) was very satisfying!

Anyway I just wanted to say thanks to Larry (N8LP), Scott (WU2X), Alex (VE3NEA) and Carl (N4PY) for helping increase the ham radio "fun-ratio" in my shack!

73,

Rick

VE7TK

Website: http://www3.telus.net/ve7tk

_____
Looking for the perfect gift? Give the gift of Flickr!

http://www.flickr.com/gift/

[Non-text portions of this message have been removed]

4791. Re: [orion565] orion 565 (1) LCD contrast

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-15 19:28:23 UTC
From: Martin Ewing
Topic: 4789 Message: 4791

Onno,

I think the main problem is temperature. The LCD does not run well (or at least its optimum bias changes) at low temperature - and the fluorescent backlight may take a while to come to full brightness. The v2 firmware requires a different bias (contrast) setting than v1 for best performance. I don't see any strong left - right difference myself.

I don't think that cleaning the screen helps much. There is no "inside" -- be careful, all the liquid crystals will leak out!

73 Martin AA6E

On Sun, Feb 15, 2009 at 1:09 PM, pa1ap <pa1ap@...> wrote:

> Greetings,
>
> I have seen a message on the reflector regarding poor conductivity
> between lcd screen and logic board. Before taking the unit apart I
> would like to learn if more orion users have seen the same issue;
>
> 1) when the unit is switch-on after a period of no use (next day for
> example) the LCD contrast starts a little weak and one can see
> contrast being different on the left side.
> 2) using the menu contrast function the contrast can be changed to good
> 3) after 30 minutes or so the contrast becomes over the top and one
> has to change it back to the level originally set when switch-on
>
> This is very notice-able using release 2 and a lot less using release 1.
>
> Second some advice on lcd screens itself; I have cleaned the lcd
> screen glass using a goggle cleaning cloth (what one uses for
> glasses). Could it be that the LCD screen became dirty on the inside
> (the other side of the glass... facing the lcd elements)? And is it
> possible to remove the LCD glass, clean it on the inside and then put
> it back again? Any experience with this?
>
> Thanks and best regards,
> Onno, pa1ap
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[Non-text portions of this message have been removed]

4792. Re: orion 565 (1) LCD contrast

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-15 19:46:05 UTC
From: pa1ap
Topic: 4789 Message: 4792

Greetings Martin,

I understand the temperature and its influence on LCD in general. I have made two pictures of the lcd screen with contrast at 99% and 45% to illustrate what I find. if you could check on your unit if you have similar behavior at least I know its considered "normal" :-)

I got an email from another Orion user who replaced a capacitor (it was defective) and A9 power distribution board. He reports he had similar issue and replacing this capacitor fixed his issue.

Thanks and best regards,
Onno

--- In orion565@yahoogroups.com, Martin Ewing <martin.s.ewing@...> wrote:
>
> Onno,
>
> I think the main problem is temperature. The LCD does not run well (or at
> least its optimum bias changes) at low temperature - and the fluorescent
> backlight may take a while to come to full brightness. The v2 firmware
> requires a different bias (contrast) setting than v1 for best performance.
> I don't see any strong left - right difference myself.
>
> I don't think that cleaning the screen helps much. There is no "inside" --
> be careful, all the liquid crystals will leak out!
>
> 73 Martin AA6E
>
> On Sun, Feb 15, 2009 at 1:09 PM, pa1ap <pa1ap@...> wrote:
>
> > Greetings,
> >
> > I have seen a message on the reflector regarding poor conductivity
> > between lcd screen and logic board. Before taking the unit apart I
> > would like to learn if more orion users have seen the same issue;
> >
> > 1) when the unit is switch-on after a period of no use (next day for
> > example) the LCD contrast starts a little weak and one can see
> > contrast being different on the left side.
> > 2) using the menu contrast function the contrast can be changed to good
> > 3) after 30 minutes or so the contrast becomes over the top and one

> > has to change it back to the level originally set when switch-on
> >
> > This is very notice-able using release 2 and a lot less using
release 1.
> >
> > Second some advice on lcd screens itself; I have cleaned the lcd
> > screen glass using a goggle cleaning cloth (what one uses for
> > glasses). Could it be that the LCD screen became dirty on the inside
> > (the other side of the glass... facing the lcd elements)? And is it
> > possible to remove the LCD glass, clean it on the inside and then put
> > it back again? Any experience with this?
> >
> > Thanks and best regards,
> > Onno, pa1ap
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> [Non-text portions of this message have been removed]
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4793. Re: orion 565 (1) LCD contrast

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-15 19:47:53 UTC
From: pa1ap
Topic: 4789 Message: 4793

and I uploaded those pictures into the Photos section and you can find
it in the orion 565 contrast album.

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings Martin,
>
> I understand the temperature and its influence on LCD in general. I
> have made two pictures of the lcd screen with contrast at 99% and 45%
> to illustrate what I find. if you could check on your unit if you have
> similar behavior at least I know its considered "normal" :-)
>
> I got an email from another Orion user who replaced a capacitor (it
> was defective) and A9 power distribution board. He reports he had
> similar issue and replacing this capacitor fixed his issue.
>
> Thanks and best regards,
> Onno
>
> --- In orion565@yahoogroups.com, Martin Ewing <martin.s.ewing@> wrote:
> >
> > Onno,
> >
> > I think the main problem is temperature. The LCD does not run well
> (or at
> > least its optimum bias changes) at low temperature - and the
fluorescent
> > backlight may take a while to come to full brightness. The v2
firmware
> > requires a different bias (contrast) setting than v1 for best
> performance.
> > I don't see any strong left - right difference myself.
> >
> > I don't think that cleaning the screen helps much. There is no
> "inside" --
> > be careful, all the liquid crystals will leak out!
> >
> > 73 Martin AA6E
> >
> > On Sun, Feb 15, 2009 at 1:09 PM, pa1ap <pa1ap@> wrote:
> >
> > > Greetings,
> > >
> > > I have seen a message on the reflector regarding poor conductivity
> > > between lcd screen and logic board. Before taking the unit apart I

> > > would like to learn if more orion users have seen the same issue;
> > >
> > > 1) when the unit is switch-on after a period of no use (next day for
> > > example) the LCD contrast starts a little weak and one can see
> > > contrast being different on the left side.
> > > 2) using the menu contrast function the contrast can be changed to
> good
> > > 3) after 30 minutes or so the contrast becomes over the top and one
> > > has to change it back to the level originally set when switch-on
> > >
> > > This is very notice-able using release 2 and a lot less using
> release 1.
> > >
> > > Second some advice on lcd screens itself; I have cleaned the lcd
> > > screen glass using a goggle cleaning cloth (what one uses for
> > > glasses). Could it be that the LCD screen became dirty on the inside
> > > (the other side of the glass... facing the lcd elements)? And is it
> > > possible to remove the LCD glass, clean it on the inside and
then put
> > > it back again? Any experience with this?
> > >
> > > Thanks and best regards,
> > > Onno, pa1ap
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>

4794. Re: [orion565] Re: orion 565 (1) LCD contrast

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-15 19:49:47 UTC
From: Martin Ewing
Topic: 4789 Message: 4794

Onno,

Your pictures do not come through the Yahoo reflector. You can email me direct - aa6e (at) arrl.net.

Martin

On Sun, Feb 15, 2009 at 2:46 PM, pa1ap <pa1ap@...> wrote:

> Greetings Martin,
>
> I understand the temperature and its influence on LCD in general. I
> have made two pictures of the lcd screen with contrast at 99% and 45%
> to illustrate what I find. if you could check on your unit if you have
> similar behavior at least I know its considered "normal" :-)
>
> I got an email from another Orion user who replaced a capacitor (it
> was defective) and A9 power distribution board. He reports he had
> similar issue and replacing this capacitor fixed his issue.
>
> Thanks and best regards,
> Onno
>
> --- In orion565@yahoogroups.com, Martin Ewing <martin.s.ewing@...> wrote:
> >
> > Onno,
> >
> > I think the main problem is temperature. The LCD does not run well
> (or at
> > least its optimum bias changes) at low temperature - and the fluorescent
> > backlight may take a while to come to full brightness. The v2 firmware
> > requires a different bias (contrast) setting than v1 for best
> performance.
> > I don't see any strong left - right difference myself.
> >
> > I don't think that cleaning the screen helps much. There is no
> "inside" --
> > be careful, all the liquid crystals will leak out!
> >
> > 73 Martin AA6E
> >
> > On Sun, Feb 15, 2009 at 1:09 PM, pa1ap <pa1ap@...> wrote:
> >
> > > Greetings,
> > >
> > > I have seen a message on the reflector regarding poor conductivity

> > > between lcd screen and logic board. Before taking the unit apart I
> > > would like to learn if more orion users have seen the same issue;
> > >
> > > 1) when the unit is switch-on after a period of no use (next day for
> > > example) the LCD contrast starts a little weak and one can see
> > > contrast being different on the left side.
> > > 2) using the menu contrast function the contrast can be changed to
> good
> > > 3) after 30 minutes or so the contrast becomes over the top and one
> > > has to change it back to the level originally set when switch-on
> > >
> > > This is very notice-able using release 2 and a lot less using
> release 1.
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> > > Second some advice on lcd screens itself; I have cleaned the lcd
> > > screen glass using a goggle cleaning cloth (what one uses for
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> > > (the other side of the glass... facing the lcd elements)? And is it
> > > possible to remove the LCD glass, clean it on the inside and then put
> > > it back again? Any experience with this?
> > >
> > > Thanks and best regards,
> > > Onno, pa1ap
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[Non-text portions of this message have been removed]

4795. Re: [orion565] Re: orion 565 (1) LCD contrast

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-15 20:02:13 UTC
From: Martin Ewing
Topic: 4789 Message: 4795

Very interesting. I do not see anything like this.

My screen is mostly washed out at 44% contrast and completely so at 99%. My optimum is about 26%. This is running v 2.062a firmware on an Orion I.

There is an internal bias adjustment that should allow you (and me) to set the optimum close to 50% - which is what you get after a master reset. I have not bothered to adjust mine, however.

I definitely do not see any significant gradient across the screen. Looks like you may have a hardware problem, as you suggest.

73 Martin AA6E

On Sun, Feb 15, 2009 at 2:49 PM, Martin Ewing <martin.s.ewing@...>wrote:

> Onno,
>
> Your pictures do not come through the Yahoo reflector. You can email me
> direct - aa6e (at) arrl.net.
>
> Martin
>
>
> On Sun, Feb 15, 2009 at 2:46 PM, pa1ap <pa1ap@...> wrote:
>
>> Greetings Martin,
>>
>> I understand the temperature and its influence on LCD in general. I
>> have made two pictures of the lcd screen with contrast at 99% and 45%
>> to illustrate what I find. if you could check on your unit if you have
>> similar behavior at least I know its considered "normal" :-)
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>> I got an email from another Orion user who replaced a capacitor (it
>> was defective) and A9 power distribution board. He reports he had
>> similar issue and replacing this capacitor fixed his issue.
>>
>> Thanks and best regards,
>> Onno
>>
>> --- In orion565@yahoogroups.com, Martin Ewing <martin.s.ewing@...> wrote:
>> >
>> > Onno,
>> >
>> > I think the main problem is temperature. The LCD does not run well
>> (or at

>> > least its optimum bias changes) at low temperature - and the fluorescent
>> > backlight may take a while to come to full brightness. The v2 firmware
>> > requires a different bias (contrast) setting than v1 for best
>> performance.
>> > I don't see any strong left - right difference myself.
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>> > I don't think that cleaning the screen helps much. There is no
>> "inside" --
>> > be careful, all the liquid crystals will leak out!
>> >
>> > 73 Martin AA6E
>> >
>> > On Sun, Feb 15, 2009 at 1:09 PM, pa1ap <pa1ap@...> wrote:
>> >
>> > > Greetings,
>> > >
>> > > I have seen a message on the reflector regarding poor conductivity
>> > > between lcd screen and logic board. Before taking the unit apart I
>> > > would like to learn if more orion users have seen the same issue;
>> > >
>> > > 1) when the unit is switch-on after a period of no use (next day for
>> > > example) the LCD contrast starts a little weak and one can see
>> > > contrast being different on the left side.
>> > > 2) using the menu contrast function the contrast can be changed to
>> good
>> > > 3) after 30 minutes or so the contrast becomes over the top and one
>> > > has to change it back to the level originally set when switch-on
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>> > > This is very notice-able using release 2 and a lot less using
>> release 1.
>> > >
>> > > Second some advice on lcd screens itself; I have cleaned the lcd
>> > > screen glass using a goggle cleaning cloth (what one uses for
>> > > glasses). Could it be that the LCD screen became dirty on the inside
>> > > (the other side of the glass... facing the lcd elements)? And is it
>> > > possible to remove the LCD glass, clean it on the inside and then put
>> > > it back again? Any experience with this?
>> > >
>> > > Thanks and best regards,
>> > > Onno, pa1ap
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[Non-text portions of this message have been removed]

4796. Re: orion 565 (1) LCD contrast

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-15 20:11:37 UTC
From: pa1ap
Topic: 4789 Message: 4796

It would be great if other users could confirm / check too... Any volunteers?

A difference could be that my optimum is set at 50% and hence i can go down a lot more then you can go. In the up direction the same applies but now you can go way above what i can go. Hence it might become fully black.

The capacitors would be C9 / C6 / C7 on the A9 board. Based on his experience this fixed the problem for him. I am not sure but on A9 it seems the higher voltage is generated for the LCD screen light... If that doesn't work well then i guess that could cause a contrast issue.

Best regards,
Onno

--- In orion565@yahoogroups.com, Martin Ewing <martin.s.ewing@...> wrote:
>
> Very interesting. I do not see anything like this.
>
> My screen is mostly washed out at 44% contrast and completely so at 99%. My
> optimum is about 26%. This is running v 2.062a firmware on an Orion I.
>
> There is an internal bias adjustment that should allow you (and me) to set
> the optimum close to 50% - which is what you get after a master reset. I
> have not bothered to adjust mine, however.
>
> I definitely do not see any significant gradient across the screen. Looks
> like you may have a hardware problem, as you suggest.
>
> 73 Martin AA6E
>
> On Sun, Feb 15, 2009 at 2:49 PM, Martin Ewing <martin.s.ewing@...>wrote:
>
> > Onno,
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> > Your pictures do not come through the Yahoo reflector. You can email me
> > direct - aa6e (at) arrl.net.
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> > Martin
> >

> >
> > On Sun, Feb 15, 2009 at 2:46 PM, pa1ap <pa1ap@...> wrote:
> >
> >> Greetings Martin,
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> >> I understand the temperature and its influence on LCD in general. I
> >> have made two pictures of the lcd screen with contrast at 99% and 45%
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> >> similar behavior at least I know its considered "normal" :-)
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> >> I got an email from another Orion user who replaced a capacitor (it
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> >> Thanks and best regards,
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> >> > > 1) when the unit is switch-on after a period of no use (next

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> >> > > 2) using the menu contrast function the contrast can be
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> >> good
> >> > > 3) after 30 minutes or so the contrast becomes over the top
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> >> > > (the other side of the glass... facing the lcd elements)? And
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> [Non-text portions of this message have been removed]
>

4797. Re: orion 565 (1) LCD contrast

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-15 20:27:28 UTC
From: ve7tk
Topic: 4789 Message: 4797

Onno I think this would be worth a note to Ten-Tec. Include the 2
photos. This could be a faulty LCD display.

In the interim you may want to try setting "LCD Display" in the OTHER
menu to White/Black and see if that helps your readability.

73,
Rick
VE7TK

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> It would be great if other users could confirm / check too... Any
> volunteers?
>
> A difference could be that my optimum is set at 50% and hence i can go
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> > There is an internal bias adjustment that should allow you (and me)
> to set
> > the optimum close to 50% - which is what you get after a master
> reset. I
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> > > Your pictures do not come through the Yahoo reflector. You can
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> > >> > requires a different bias (contrast) setting than v1 for best
> > >> performance.
> > >> > I don't see any strong left - right difference myself.
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> > >> > I don't think that cleaning the screen helps much. There is no
> > >> "inside" --
> > >> > be careful, all the liquid crystals will leak out!
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> conductivity
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> > >> > > 1) when the unit is switch-on after a period of no use (next
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4798. Re: v1 versus v2 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-15 22:37:21 UTC
From: jddksk
Topic: 4701 Message: 4798

Bob
What's (Carl's software)? 73 Dave

--- In orion565@yahoogroups.com, bob finger <finger@...> wrote:
>
> Get Carl's software and ignore the screen. Or listen to the
receiver
> and ignore the screen. Sorry, the screen has NEVER helped me work
a new
> on or make a contest q. Its on a par with the color of the dot in
the
> logo. 73 bob de w9ge
>
> hamilrs wrote:
>
> > There has been considerable discussion about differences between
Orion
> > I v1 and v2
> > firmware but nothing mentioned about the greatly improved screen
> > contrast of v2
> >
> >
> >
> >
>

4799. Re: [orion565] Re: v1 versus v2 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-15 22:43:13 UTC
From: Billy Cox
Topic: 4701 Message: 4799

N4PY ... great guy, great software.

http://www.ralabs.com/n4py/

73 de Billy, AA4NU

-----Original Message-----
>From: jddksk <jddksk@...>
>Sent: Feb 15, 2009 5:37 PM
>To: orion565@yahoogroups.com
>Subject: [orion565] Re: v1 versus v2 firmware
>
>Bob
> What's (Carl's software)? 73 Dave
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4800. Re: orion 565 (1) LCD contrast

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-17 07:40:58 UTC
From: pa1ap
Topic: 4789 Message: 4800

I am no expert on how LCD screens typically work but below some findings;

1) I raised the question to tentec service and next day I got a message from them to allow the unit to warm-up and then adjust the portmeter while contrast is set to 50% in the menu... This did make a difference and the screen is sharp again (meaning good bw contrast)

2) The issue reported is visible when there is no light switched on the radio room. This means that the LCD backlight has to do the job to provide the contrast

3) when you have either a TL or light bulb above the lcd screen you dont see the issue anymore.... This because it would provide sufficient light to arrive at good bw contrast... this might be the reason why others dont see the change in contrast when the unit is warming up

To me it seems the backlight might loose power after years of operations, which sounds logical to me.... so then the question is how and if this backlight can be replaced... I carefully looked at the orion video (the tutorial on how to operate) and in the beginning they have a close up of the screen and you can actually see that the contrast on the left is less then the rest of the screen... Little later the lcd screen appears to be "blue-ish" which means they capture the reflection of the TL's above the unit which in effect increase the contrast....

So the magic question to you all; does above make sense and did somebody replace the backlight in the past?

Thanks and best regards,
onno

--- In orion565@yahoogroups.com, "ve7tk" <ve7tk@...> wrote:
>
> Onno I think this would be worth a note to Ten-Tec. Include the 2
> photos. This could be a faulty LCD display.
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> > > 73 Martin AA6E
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> > > >> > > 2) using the menu contrast function the contrast can be
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> > > >> good
> > > >> > > 3) after 30 minutes or so the contrast becomes over the
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> > > >> > > This is very notice-able using release 2 and a lot less
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4801. Re: v1 versus v2 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-18 10:20:03 UTC
From: pa1ap
Topic: 4701 Message: 4801

The contrast of the screen has changed indeed. Its sharper and quicker. Seems to me they optimized the screen code with regards to refresh frequency besides perhaps other performance improvements.

It also means you have to adjust the contrast potmeter as I recently learned. After several contrast changes I decided to take a stepped drill and create a hole at the location of the contrast potmeter for easy access, just like the mic gain potmeter.

Perhaps my perception and not reality but the new firmware also makes the lcd screen temperature sensitivity more visible. I am not sure if thats the LCD screen or the backlight.

Hope this helps, best regards,
Onno, pa1ap

--- In orion565@yahoogroups.com, "jddksk" <jddksk@...> wrote:
>
> Bob
> What's (Carl's software)? 73 Dave
>
>
>
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> --- In orion565@yahoogroups.com, bob finger <finger@> wrote:
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> > Get Carl's software and ignore the screen. Or listen to the
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screen
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4802. Re: meter wont work properly sticky

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-18 10:27:19 UTC
From: pa1ap
Topic: 4697 Message: 4802

To see if the Orion actually "measures" correctly you could connect the orion to a computer and use a remote control program to check the s-meter output.

If the program is providing proper S-meter levels without the issues you have found then chances are high that the s-meter in orion is defective.

If the s-meter on the remote control program is behaving similar as the problem detected there might be more going on. Then it could be an issue in the AD / DA converter for example.

How did the battery came loose? You really have to use brute force to get that done.... If the unit fell on the ground (while being packed in foam) the accelartion impact might have caused the s-meter to break too....

Hope this helps,
Onno pa1ap

--- In orion565@yahoogroups.com, "w0ewm" <hmbone1@...> wrote:
>
> In all cases the Orion Meter is driven by a "digital to analog
> converter". The DAC is driven by the main CPU. Meter problems are
> likely either the meter or the DAC.
> 73, Merle - W0EWM
>
>
>
>
> --- In orion565@yahoogroups.com, "w6lara" <w6lara@> wrote:
> >
> > hello everyone im having some issues with my orion 2 i fonund the
> > problem WHY IT WOULD DO A MASTER RESET WHEN YOU TURN IT ON. THE
FIX WAS
> > THE BATTERY CAME LOOSE ON THE LOGIC BOARD BEHIND THE FACEPLATE.
IM
> > HAVING OTHER ISSUES WITH THE RADIO. THE ANALOG S METER MOVEMENT
DOSE
> > NOT WORK PROPERLY SOMETIMES IT WORKS SOMTIMES IT DOSENT IT READS
LOW
> > SIGNAL ON RECIEVE AND TRANSMIT BUT OUTPUT AND RECIVE ARE FINE. IT
> > USESALY WORKS AFTER 10 OR 15 MINUTES OF THE RADIO BEEING ON. ANY
IDEAS
> > WHAT IT MIGHT BE IM THINKING POSSABLY THE METER IS BAD WHAT DO
YOU

> > THINK
> >
>

4803. Line OUT Level

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-18 12:07:47 UTC
From: qrp2010
Topic: 4803 Message: 4803

I just noticed that the Orion II manual mentions a OTHER menu selection
of line OUT level.

Has anyone found this in a firmware version of the Orion?

K8YTO

4804. Re: [orion565] Line OUT Level

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-18 12:31:51 UTC
From: Barry N1EU
Topic: 4803 Message: 4804

On Wed, Feb 18, 2009 at 7:07 AM, qrp2010 <qrp2010@...> wrote:
> I just noticed that the Orion II manual mentions a OTHER menu selection
> of line OUT level.
>
> Has anyone found this in a firmware version of the Orion?
>

Not available on the Orion.

73,
Barry N1EU

4805. New owner, issues/problems/questions

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-21 23:41:57 UTC
From: Adam Wade
Topic: 4805 Message: 4805

Hi there. I'm AF6ME, and I've been really enjoying my 565 (I got one of the deeply discounted refurbs direct from Ten-Tec). It's more radio for the dollar than I could find anywhere else, and I'm very pleased to have it be the centerpiece of my shack.

I've managed to track down some details on how to get the most out of the programmable AGC, and it's a lot of fun to use that to the benefit of weak signal stations.

I've installed what amounts to a foldback in my PA (Ameritron AL-811), so I can run without ALC, but was surprised to not find anything that appeared to be an ALC port from a PA on the rig. I've been reading the manual, but so far have not come across info. Does the 565 not have an ALC port?

Secondly, I discovered today that the sub-receiver is deaf above 12998.60 USB/13001.10 LSB. No s-meter reading above the noise floor once I get to that point. Also, adjusting the BW control for the sub-receiver changes this point (when I increase BW, I can tune higher before losing s-meter reading on the sub-rcvr). I gather this is not normal behavior at all. At first I thought it might have something to do with the fact that the main xmtr and rcvr were in the 20m band and so the bandpass filter for that range was not available to the sub-rcvr. However, switching bands for the main xmtr/rcvr does not affect this issue.

Does anyone know what is going on? Does the rig need to go back to Ten-Tec for something?

Third, I get some intermittent hash and dropouts in the left headphone when the headphone plug is pushed to the side or inserted/removed. It's only on the left side. Rather than try to rip the front panel apart to clean/resolder the headphone jack I thought I'd ask if this was a known issue that is common to the 565, or if I just got lucky. ;) If the former, I would save a lot of time trying to find a fix by asking those who had the problem before me.

Anyone have a source for male 7- or 8-pin DIN connectors? Since I got the discounted refurb unit, it only came from Ten-Tec with a power cord and nothing else at all (an older copy of the manual, but I have the latest one printed out here as well), and I want to work digital modes with the rig. I have gotten several of the 5-pin DIN MIDI connectors I can use for now, but figured it might be good to have the proper connectors for getting the most out of the rig. Looks like I can just direct audio to the left channel, not use FSK, and get everything else I need with the 5-pin DIN connector.

How could I benefit from using the correct 7-pin connector? I could do RTTY without a sound card, probably to better effect than using a soundcard-derived signal, I think. Is there any advantage to having both audio out channels enabled when it comes to digital modes? I will be using HRD and DM780 for my software.

Right now I am also having fun configuring HRD to rig control the Orion. I have a good serial to USB adapter that I've been using, hooked right to the port on the Orion. Can/should I use the aux port PTT line, a rig control TX command from DM780/HRD, or DTS/RTS through the serial to USB adapter?

I would like the radio's current info to be loaded into logger32, but even after configuring logger32 it does not pull the data. This may be because I am also running HRD rig control on one "virtual" serial port. Anyone know if this is possible, if it's a bug in logger32, or what? I would be willing to switch software, but I don't particularly like what I have seen of the built-in logger in HRD. Is there a program with the features of logger32 that can interface nicely with DM780 and/or the 565? I like the features and some of the user interface in logger32, and will just transfer the pertinent stuff by hand if need be.

I've also noticed a few annoying bugs in HRD for the Orion. The FDW, REF and SWR bar graphs in the upper left corner are non-functional. AGC threshold can only be adjusted in 1 uv steps, so I can't fine-tune below 1 uv, meaning I must use the multi knob to make changes. The vu meter reads anywhere from 2-6 s-units high. And switching binaural on in the software does not turn on binaural rx in the phones. However, otherwise it seems to be great software, and it *is* free. I chafe at the thought of paying a huge licensing fee each year for the software that is usually recommended for the 565 (N4PY). Is anything else available that's any good? Does the N4PY software get updated enough with the Orion to make it worth renewing every year, or should I just buy that software and not get any updates, saving the yearly fee? Apparently people have been asking after solutions for some of the Orion problems with HRD for a while and nothing has been forthcoming thus far, so I'm not hugely optimistic that sticking with HRD will end me up with software that works perfectly with the 565.

I also have a SteppIR BigIR w/80m coil coming from SteppIR, with the rig interface installed. I also have a Y cable for the serial port coming to allow the antenna controller to "see" what the rig is doing WRT tuning. I gather that the controller just listens in and adjusts the antenna according to the radio's reporting of frequency. However, I'm not sure if that will dovetail smoothly with rig control through the same port. Does anyone have experience with using a SteppIR antenna with a 565, with or without logging or rig control software? Any advice or info on required steps/mods etc. would be welcomed.

The multi encoder sometimes "slips backwards" when turning it. Is this a dirty pot, or does it signal the encoder is wearing out? It came this way from Ten-Tec, so I should probably contact them ASAP if it is more than a cleaning that is needed.

I think that's about it... Pleased to finally have a top-quality, made in America radio that gets support from the manufacturer. A far cry from previous radios I have owned, and certain Japanese companies who built them. :)

4806. Re: New owner, issues/problems/questions

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-21 23:59:53 UTC
From: Adam Wade
Topic: 4805 Message: 4806

Looks like the FWD meterin HRD, at least, works; it just refreshes so slowly with the 565 that I rarely see it. :/ What is the speed of the serial port on the 565, and I wonder why HRD is so slow to update...

Also, out of curiosity, what is different with the Orion II? On the face of it, it looks like it's more evolutionary from the 565, and I couldn't justify spending more than twice the money for the Orion II... Is it really that much better than the 565?

I'm sure there will be more questions, but I look forward to learning from all of you who have owned the Orion before. :)

4807. Re: New owner, issues/problems/questions -- update

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-22 03:27:01 UTC
From: Adam Wade
Topic: 4805 Message: 4807

Well, I just tested the sub receiver thoroughly, and it is not working at all. Here's what I wrote to Ten-Tec service:

"The sub receiver will not receive any signals of any kind, no matter how strong. What it does receive is a great deal of hash noise as well as climbing and falling ~6 hz whine throughout its range of tuning, with two exceptions. What is most odd about these exceptions is that their boundaries change if you change the BW setting for the sub receiver. With BW set to 2500, PBT set to +0, and in LSB mode, the dead spots are from 2501.217-4001.217, and from 13001.217 to the end of the tuning range. In these dead spots, I see the same thing I would on the main receiver if I attached the rig to a dummy load; white noise around S1 or below. In no case does the sub receiver pick up any signals at all. Switching the main and sub receivers between the two VFOs has the same effect as switching the contents of the VFOs, so I am pretty sure it is not an issue with one of the VFOs. Both main and sub receiver are set to use Antenna 1, which is the only antenna port that is connected to anything. The main receiver also does not pick up any of the hash and cyclic noise I am hearing on the sub receiver."

The noise goes away if I switch to either of the other two antenna ports that have nothing connected. The "dead spots" have the same signal level as if I was connected to a dummy load, or no feedline of any sort at all.

Has anyone seen or heard of anything like this before? I am assuming there is something significantly wrong with the sub receiver, and since this is really the first time I have tried to use it, I have to presume the rig arrived in this condition (I bought it about a month ago and have been climbing the steep learning curve of my first software-based rig, my first Ten-Tec, and definitely my first Orion, so I don't think it a wonder that it took me a while to find this problem). I hope it is either an easy fix, or that Ten-Tec will take care of me even though the unit is a refurb. If anyone has any suggestions or answers, I'm all ears...

4808. Re: [orion565] Re: New owner, issues/problems/questions -- update

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-22 03:32:41 UTC
From: Billy Cox
Topic: 4805 Message: 4808

Adam, have you tried a HARD RESET to see if that
resets the SUB RCVR? That's one thing to try.

73 de Billy, AA4NU

-----Original Message-----
>From: Adam Wade <espresso_doppio@...>
>Sent: Feb 21, 2009 10:27 PM
>To: orion565@yahoogroups.com
>Subject: [orion565] Re: New owner, issues/problems/questions -- update
>
>Well, I just tested the sub receiver thoroughly, and it is not
>working at all. Here's what I wrote to Ten-Tec service:
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>"The sub receiver will not receive any signals of any kind, no matter
>how strong. What it does receive is a great deal of hash noise as
>well as climbing and falling ~6 hz whine throughout its range of
>tuning, with two exceptions. What is most odd about these exceptions
>is that their boundaries change if you change the BW setting for the
>sub receiver. With BW set to 2500, PBT set to +0, and in LSB mode,
>the dead spots are from 2501.217-4001.217, and from 13001.217 to the
>end of the tuning range. In these dead spots, I see the same thing I
>would on the main receiver if I attached the rig to a dummy load;
>white noise around S1 or below. In no case does the sub receiver
>pick up any signals at all. Switching the main and sub receivers
>between the two VFOs has the same effect as switching the contents of
>the VFOs, so I am pretty sure it is not an issue with one of the
>VFOs. Both main and sub receiver are set to use Antenna 1, which is
>the only antenna port that is connected to anything. The main
>receiver also does not pick up any of the hash and cyclic noise I am
>hearing on the sub receiver."
>
>The noise goes away if I switch to either of the other two antenna
>ports that have nothing connected. The "dead spots" have the same
>signal level as if I was connected to a dummy load, or no feedline of
>any sort at all.
>
>Has anyone seen or heard of anything like this before? I am assuming
>there is something significantly wrong with the sub receiver, and
>since this is really the first time I have tried to use it, I have to
>presume the rig arrived in this condition (I bought it about a month
>ago and have been climbing the steep learning curve of my first
>software-based rig, my first Ten-Tec, and definitely my first Orion,
>so I don't think it a wonder that it took me a while to find this
>problem). I hope it is either an easy fix, or that Ten-Tec will take

>care of me even though the unit is a refurb. If anyone has any
>suggestions or answers, I'm all ears...
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>Yahoo! Groups Links
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4809. Re: [orion565] Re: New owner, issues/problems/questions -- update

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-22 08:31:11 UTC
From: Adam Wade
Topic: 4805 Message: 4809

From: Billy Cox <aa4nu@...>
To: orion565@yahoogroups.com
Sent: Saturday, February 21, 2009 7:32:41 PM
Subject: Re: [orion565] Re: New owner, issues/problems/questions -- update

> Adam, have you tried a HARD RESET to see if that
> resets the SUB RCVR? That's one thing to try.

I have not tried that yet. I am hoping to save that as a last resort prior to sending the rig back to Ten-Tec, as I don't have nearly all the settings memorized, and I don't envy the tedius need to record all those settings before a hard reset to avoid having to figure out my best settings all over again. ;)
Interestingly, after leaving the radio off for a few hours, I powered it back up and magically the sub-receiver was working again. It's slightly more than 2 hz out from the main rcvr, but I was getting comparable signal levels and sensitivity from both. Then I switched VFO A (and the main rcvr) to a different band, and without swithcing the sub receiver and VFO B to that other band, I pressed the A>B button. It faithfully copied the frequency information from VFO A to VFO B, but the sub receiver was still receiving the old band, and I could even tune around in the old band using the VFO B knob -- with the VFO B freq display showing me tuning around, but in the new band from VFO A! When I switched the band select keypad over to VFO B and manually selected the proper band to match what VFO B was displaying, I was back to no signal on receive, just noise, from the sub receiver.
Call me crazy, but this is starting to seem like a firmware bug in its behavior... Some register somewhere is not getting updated properly when VFO info is transferred in that's for a different band, and the processor gets confused about what to do with the conflicting information. That's the only way I can reasonably explain the display saying one thing and the sub receiver piping something else entirely into my 'phones.
Does anyone else have this sort of problem, or has anyone else had it? I am going to try waiting a while, switch the rig back on, see if the sub receiver is again giving the same output as from the main receiver, and then try selecting the band for VFO B before inputting frequency data into VFO B from the band I just selected, and see if that handles the problem. Stay tuned, so to speak...
! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
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! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

[Non-text portions of this message have been removed]

4810. Re: [orion565] Re: New owner, issues/problems/questions -- update

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-22 18:36:09 UTC
From: Billy Cox
Topic: 4805 Message: 4810

One known 'bug' is if you put the SUB on AM
and the MAIN on say USB ... the SUB will go
DEAD ... and other such combinations.

Read your manual as to how to load USER1 for
your defaults ... saves you time!

Though it's a bit of a pain, 'flushing the
settings' via the HARD RESET has saved more
than one person shipping a rig back to TT.

Jot down your settings, just to have them,
and they do reload pretty fast if needed.

73 de Billy, AA4NU

-----Original Message-----
>From: Adam Wade <espresso_doppio@...>
>> Adam, have you tried a HARD RESET to see if that
>> resets the SUB RCVR? That's one thing to try.
>
>I have not tried that yet. I am hoping to save that as a last resort prior to sending the rig back to Ten-Tec, as I don't have nearly all the settings memorized, and I don't envy the tedius need to record all those settings before a hard reset to avoid having to figure out my best settings all over again. ;)
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>Does anyone else have this sort of problem, or has anyone else had it? I am going to try waiting a while, switch the rig back on, see if the sub receiver is again giving the same output as from the main receiver, and then try selecting the band for VFO B before inputting frequency data into VFO B from the band I just selected, and see if that handles the problem. Stay tuned, so to speak...

4811. Re: [orion565] Re: New owner, issues/problems/questions -- update

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-22 20:36:42 UTC
From: Adam Wade
Topic: 4805 Message: 4811

From: Billy Cox <aa4nu@...>
To: orion565@yahoogroups.com
Sent: Sunday, February 22, 2009 10:36:09 AM
Subject: Re: [orion565] Re: New owner, issues/problems/questions -- update

> One known 'bug' is if you put the SUB on AM
> and the MAIN on say USB ... the SUB will go
> DEAD ... and other such combinations.

Interesting, and a bit disappointing that they haven't fixed this in the firmware. From the sound of things, there are plenty of things in the Orion that still could use some work, but I see it's been quite a while now since Ten-Tec released any firmware updates for the 565. I still will feel like I got a good deal on the radio for what it offers, in warts as well as features, but if they are quietly stopping support for the rig simply because they are trying to sell the 566 now, that cautions me against spending big money on another rig down the line... Elecraft's offerings do not meet my operational needs quite as well as Ten-Tec's, but I know the K3 is getting tons of support, updates, etc. to this day. Granted, it's still a current model for Elecraft, but I think it is reasonable that when I spend well into the four figure range for a radio, that it be supported until the bugs are pretty much gone, and definitely appreciate the bonus of new
features added as well. I'll have to see how things go with Ten-Tec's support, both in this particular instance and in general.

Also, I wonder if Ten-Tec would have any interest in releasing part or all of the source code for folks to make their own bug fixes and feature improvements, once they have decided they are not going to offer any more firmware support for the rig? That alone would be enough to save the day IMHO and keep me with Ten-Tec for the long haul, but of course they may well share a lot of code between the 565 and the 566, so they would likely be unwilling to essentially give away their trade secrets. I wonder if anyone has hacked the firmware on the 565 yet, and to what effect?
> Read your manual as to how to load USER1 for
> your defaults ... saves you time!

I already use USER 1 and USER 2 to switch between my eSSB rag-chew settings and my DX settings. I do see where one can choose whether to nuke them or not when hard resetting the radio, but wasn't sure I could keep those settings with a hard reset... I'm also not sure whether some of the settings I am using might be contributing to the problem. I suppose I could do a full-on reset and then slowly start adding back in my settings one at a time and testing to see if there is a setting or combination of settings that is leading up to this problem. I'll also wait to hear what Ten-Tec service says about it before doing anything much more. It does sound like this is either related to or part of the same problem you described up top, though.
Could folks who change bands on the sub-receiver let me know how they do it without killing the sub receiver, so I can at least try that as a workaround? I was thinking of switching the sub receiver to VFO A, changing the VFO B band, and then reassigning the sub receiver to VFO B, if there's any chance that would work.

> Though it's a bit of a pain, 'flushing the
> settings' via the HARD RESET has saved more
> than one person shipping a rig back to TT.

That's good to know, and hopefully I can at least work around this problem and keep the functionality of the rig. I wouldn't be very happy being without my Orion for a few weeks, not to mention the shipping charges from California these days... And I sure hope they will at least consider a bug fix firmware update in the near future, as there are clearly a number of loose ends to be sorted. Even though it's not a current model, it is *my* entry to Ten-Tec, and if Ten-Tec shows me they are continuing their level of service and support for which they are famous then I will certainly be buying more from them as time goes on. :D

> Jot down your settings, just to have them,
> and they do reload pretty fast if needed.

Yep, just have to slog through and do it. If I was more familiar with all the settings and how I had them set up to work for me it would probably seem less onerous. Oh, well, I'll consider it part of my learning curve, I guess...

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

4812. RE: [orion565] Re: New owner, issues/problems/questions -- update

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-22 19:03:30 UTC
From: Robert Carroll
Topic: 4805 Message: 4812

I had a problem which sounds similar. I thought it was firmware but it turned out to be a "synthesizer out of spec," in my mind a synthesizer broken. The subreceiver could be near where it was supposed to be, or it could be 100 kHz away, or it could be MHz away and actually not tunable. I saw a small number of similar reports several years back. Most had the same cause as my problem. Ten Tec fixed things quickly-in my case under warranty. Let us know what you find out.

73

Bob W2WG

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Adam Wade
Sent: Sunday, February 22, 2009 3:31 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: New owner, issues/problems/questions -- update

_____
From: Billy Cox <aa4nu@.... <mailto:aa4nu%40ix.netcom.com> com>
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Sent: Saturday, February 21, 2009 7:32:41 PM
Subject: Re: [orion565] Re: New owner, issues/problems/questions -- update

> Adam, have you tried a HARD RESET to see if that
> resets the SUB RCVR? That's one thing to try.

I have not tried that yet. I am hoping to save that as a last resort prior to sending the rig back to Ten-Tec, as I don't have nearly all the settings memorized, and I don't envy the tedius need to record all those settings before a hard reset to avoid having to figure out my best settings all over again. ;)
Interestingly, after leaving the radio off for a few hours, I powered it back up and magically the sub-receiver was working again. It's slightly more than 2 hz out from the main rcvr, but I was getting comparable signal levels and sensitivity from both. Then I switched VFO A (and the main rcvr) to a different band, and without swithcing the sub receiver and VFO B to that other band, I pressed the A>B button. It faithfully copied the frequency information from VFO A to VFO B, but the sub receiver was still receiving the old band, and I could even tune around in the old band using the VFO B knob -- with the VFO B freq display showing me tuning around, but in the new band from VFO A! When I switched the band select keypad over to VFO B and manually selected the proper band to match what VFO B was displaying, I was back to no signal on receive, just noise, from the sub receiver.
Call me crazy, but this is starting to seem like a firmware bug in its

behavior... Some register somewhere is not getting updated properly when VFO info is transferred in that's for a different band, and the processor gets confused about what to do with the conflicting information. That's the only way I can reasonably explain the display saying one thing and the sub receiver piping something else entirely into my 'phones.
Does anyone else have this sort of problem, or has anyone else had it? I am going to try waiting a while, switch the rig back on, see if the sub receiver is again giving the same output as from the main receiver, and then try selecting the band for VFO B before inputting frequency data into VFO B from the band I just selected, and see if that handles the problem. Stay tuned, so to speak...
! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
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<http://www.allthings550.com> s550.com !

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4813. Re: [orion565] Re: New owner, issues/problems/questions -- update

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-23 17:53:45 UTC
From: Adam Wade
Topic: 4805 Message: 4813

From: Robert Carroll <w2wg@...>
To: orion565@yahoogroups.com
Sent: Sunday, February 22, 2009 11:03:30 AM
Subject: RE: [orion565] Re: New owner, issues/problems/questions -- update

> Let us know what you find out.

Turns out the resolution was almost what had been suggested before with the reset. I'd tried a Master reset, twice, once with and once without user memories. I received an email this morning from Paul, head of Ten-Tec service, where he recommended a RAM reset followed by a full Master reset with filter and user memory settings reset as well.
I wasn't previously aware of the RAM reset, which is done by powering up the rig while holding down the LCK button for VFO B, and continuing to hold it until the reset message was displayed at the bottom of the screen. Then a regular Master reset as mentioned in the manual and previously in this thread, and answering YES for both user memory and filter reset, and all was right as rain.
It's awfully strange listening to both rcvrs tuned to the same frequency with the 2 hz discrepancy between them. Even weirder is listening to them in stereo, one in each ear. :)
But the sub-receiver is working again, which is my main concern. :D
Now, if we can convince Ten-Tec to keep working on the firmware for us, or to release some or all of the source code so we can make our own changes if they don't want to continue offering bug fixes and upgrades themselves... Does Ten-Tec read this group? :) One would hope so...

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
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4814. Re: [orion565] Re: New owner, issues/problems/questions -- update

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-25 20:26:54 UTC
From: Adam Wade
Topic: 4805 Message: 4814

Update: Well, it was "fixed" for all of about 15 minutes. The behavior of the sub-receiver is increasingly erratic; sometimes it will work for a while after the rig has been shut off for at least a few hours, usually it won't. Once it worked fine in AM mode, but would only receive what sounded line a 1 khz roofing filter on a SSB signal which would disappear entirely when the sub receiver was tuned onto the correct dial frequency for the USB transmission!

I've resigned myself to this being some sort of a hardware problem and the rig having to go back to Ten-Tec. Waiting now to get the green light to ship back to them. Guess it's back to using the TS-520S for a while... ;) I will certainly miss the Orion while it is gone!

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
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! of spending a lot of time trying to remember what it is I wrote !
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4815. 2.041XL Loaded and running

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-26 22:52:00 UTC
From: Peter Frenning [OZ1PIF]
Topic: 4815 Message: 4815

on my O2, and so far so good, initially all is well and the new
functions seem to be running as documented.

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

4817. Re: New owner, issues/problems/questions -- update

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-26 23:22:51 UTC
From: Ed LeTersky
Topic: 4805 Message: 4817

Adam, the Orion appears to be very sensitive to the supply voltage, and has been known to exhibit some strange behavior if it is not adequate. Before sendint the unit back, I would recommend taking a look at the power connector. Make sure that the contacts are clean, and that the split male ends have not compressed, causing the connector to be loose. Also, pull the fuse, and clean the contact surfaces. There is an article on the Ten Tec Wiki at www.tentecwiki.org/doku.php?id=565pwrconn <http://www.tentecwiki.org/doku.php?id=565pwrconn> that you may want to read, entitled 'Orion 565 Intermittent Power Connector Fix.'

Ed, KB3RKM

--- In orion565@yahoogroups.com, Adam Wade <espresso_doppio@...> wrote:
>
>
> Update: Well, it was "fixed" for all of about 15 minutes. The behavior of the sub-receiver is increasingly erratic; sometimes it will work for a while after the rig has been shut off for at least a few hours, usually it won't. Once it worked fine in AM mode, but would only receive what sounded line a 1 khz roofing filter on a SSB signal which would disappear entirely when the sub receiver was tuned onto the correct dial frequency for the USB transmission!
>
> I've resigned myself to this being some sort of a hardware problem and the rig having to go back to Ten-Tec. Waiting now to get the green light to ship back to them. Guess it's back to using the TS-520S for a while... ;) I will certainly miss the Orion while it is gone!
>
> ! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
> ! "I write down everything I want to remember. That way, instead !
> ! of spending a lot of time trying to remember what it is I wrote !
> ! down, I spend z time looking for the paper I wrote it down on." !
> ! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !
>

[Non-text portions of this message have been removed]

4819. Re: [orion565] Orion II - 2.041 XL is Posted

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-27 01:29:51 UTC
From: Adam Wade
Topic: 4816 Message: 4819

Now if only we could get some more bug fixes for the 565, or at least release of the source code so those of us with the potential ability to modify and compile the firmware would have a chance to enhance/improve/bug-fix the 565 some more... After almost 2 years without a firmware update, I get the feeling there just aren't going to be any more...

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

4820. What are you using foi rig control?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-27 02:40:30 UTC
From: Adam Wade
Topic: 4820 Message: 4820

As a relatively recent convert to Ten-Tec via the direct purchase of a factory refurb Orion, I've been facing the steep learning curve, and thus far coming out on top. :D I've gotten custom AGC settings down fairly well, I've gotten programming and setup well dialed in, and I have my audio front end all set for good signal reports and good audio quality.

I'm ready to get back into digital modes, using the 565 this time. However, I've found that there are some fairly big bugs still in Ham Radio Deluxe for the Orion, and it appears as if Simon Brown does not have ready access to an Orion to correct those bugs and provide full support (and I imagine he probably doesn't have a lot of time for it, either!).
So what are you guys using for rig control for the Orion? HRD's interface is not at all bad, and I am very fond of using DM780 for digital modes, thus HRD is the natural solution due to how integrated DM780 is with HRD for rig control and so forth. Things like quick filter setting changes, though, seem to be a little awkward for the Orion in HRD, which would be a bit of a handicap.
The other popular software seems to be N4PY's software, but the user iterface does not appear to be as nice, configurable or flexible as HRD's; I'm also a bit put off by having to pay a fairly steep licensing fee every year to keep support going. Is there any point to the yearly fee? Does the Orion version of the software get updates and so forth often enough to justify the cost of the yearly licensing fee? Is the software good, and what are its flaws as compared against HRD? Can it interface nicely with DM780 or other digi-modes software?
Are there any other options that I'm not covering here? I certainly don't mind buying software for the radio if it works well, is supported, and has a comfortable and intuitive (or at least heavily customizable) user interface. If it's no better than HRD, though, I would be hard pressed to spend a lot of money when HRD is available at no charge. Opinions are certainly welcomed on this one. My primary interests are in digi-modes, with potential bonus points for things like rapid rig control for lightweight contesting and/or interfacing directly with some sort of full-featured logging software (I like the features and interface of logger32 pretty well for right now, and my initial look at HRD's logging app makes it seem like it is very thin on features like call lookup, awards recordkeeping, prefix country info, gray line indication, output for LotW upload, etc.).
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! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

4821. Re: [orion565] Re: New owner, issues/problems/questions -- update

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-27 04:12:07 UTC
From: Adam Wade
Topic: 4805 Message: 4821

From: Ed LeTersky <eletersky@...>
To: orion565@yahoogroups.com
Sent: Thursday, February 26, 2009 3:22:51 PM
Subject: [orion565] Re: New owner, issues/problems/questions -- update

> Adam, the Orion appears to be very sensitive to the supply voltage, and
> has been known to exhibit some strange behavior if it is not adequate.
> Before sendint the unit back, I would recommend taking a look at the
> power connector. Make sure that the contacts are clean, and that the

> split male ends have not compressed, causing the connector to be loose.

It was a brand-new power cable and a fresh rig from Ten-Tec's refurb. I checked the connector on both sides, brand shiny new by all appearances. I snugged the female sides, I replaced the soldered spade lugs for the power supply end, and I replaced the fuse (fuse connectors on the rig look perfect, but the fuse was less than stellar-looking, but without any indication of high resistance. I even tried turning the power supply up to 15 volts and doing repeated resets. Nothing changed with the sub receiver problem -- it still is apparently not receiving anything at all.
> There is an article on the Ten Tec Wiki that you may want to
> read, entitled 'Orion 565 Intermittent Power Connector Fix.'

Read it with interest. Notably, the rig is having no other problems at all of any sort EXCEPT the sub receiver -- all the filters are working, no display flicker, never rebooted itself or locked/hung up... The fact that the problem is somewhat varied but is ONLY in the sub receiver leads me to believe it's very litely an issue with poor connections/v+/gnd on the sub receiver itself, but since the rig has a very limited warranty due to being a refurb I am very concerned about missing out on the window for getting Ten-Tec to take care of it -- I imagine they probably charge $60-70 per hour, and I don't relish freight both ways plus labor plus being without the radio for probably a minimum of 2-4 weeks when the problem seems to have been there when I got the radio from Ten-Tec. I guess we will see... Still waiting to hear back from them on whatever comes next. I'm not afraid of getting iniside the radio, I'm just not sure I know my way around the
iniside of the rig well enough to be able to zero in on the sub receiver's hardware and board(s) to look for connector issues.

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
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! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

4822. Re: [orion565] Re: New owner, issues/problems/questions -- update

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-27 05:37:22 UTC
From: Adam Wade
Topic: 4805 Message: 4822

Well, I could just kick myself.

I suppose it was a combination of "I've never done it before so obviously I don't know how to do it" combined with "I just spent a pile of money on this thing, I'm scared of screwing it up". :D

Finding the sub-receiver was a piece of cake (it's even laid out conveniently in the back of the manual exactly where each board in the radio is), and then it was a pretty simple matter of fiding the loose mini-coax connector and making sure it had a solid connection (I'm banking on the ground side having the problem, based on the strange behavior, but it's hard to be sure).
Now everything appears to be 100%. I'm going to keep an eye on it and make sure everything works as it should over time, but when I plugged the power cable back into the rig, fired it up, and the sub receiver was working properly from switch-on without having to do any resets, I was pretty sure I had sussed the source and gotten it licked.
Sometimes you just need to forget your internal bull!#%#%& telling you that you don't know your way around in there so don't go poking around, and remember that you know a lot of basic electronics and electrical/electronic troubleshooting from decades of career experience and that it's not really a hell of a lot more complicated than anything else you've ever worked on. Never mind that my main experience was with motorcycles, and with automotive and motorcycle fuel injection... Ohm's Law and the behavior of basic circuits in real-world operation remain the same, from a simplest knife switch to the most confounding computer. :)
Thanks for bearing with me on this no-brainer, everyone. :D
! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

4823. Orion I and Ameritron AL-82

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-27 15:59:47 UTC
From: Mike March
Topic: 4823 Message: 4823

Hello to the list,
Anyone using this combination? ALC connection necessary?

I am currently using the Ten-Tec Centaur amplifier with the Orion.

Any observations appreciated.

73, Mike K4QU
http://www.qsl.net/k4qu

4824. Re: [orion565] Re: Orion II - 2.041 XL is Posted

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-27 17:41:26 UTC
From: Billy Cox
Topic: 4816 Message: 4824

Hi Barry, download and install the update, then look in C:\Program Files\Ten-Tec\OrionII Firmware Update on your PC's hard drive ... you should find the details on the update in one of the PDFs.

73 de Billy, AA4NU

-----Original Message-----
>Hi Billy,
>Where is the spec for 2.041 posted?
>73
>Barry G4RKO

4826. Re: [orion565] Orion I and Ameritron AL-82

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-27 22:28:33 UTC
From: Adam Wade
Topic: 4823 Message: 4826

```
_________________________________
From: Mike March <lmmarch@...>
To: orion565@yahoogroups.com
Sent: Friday, February 27, 2009 7:59:47 AM
Subject: [orion565] Orion I and Ameritron AL-82

> Hello to the list,
> Anyone using this combination? ALC connection necessary?

Not using that combination, but as near as I can figure, there is no ALC connection on the
Orion. I have my Ameritron AL-811 modified with AK6G's mods, which include a negative RF
feedback resistor that elimiates the need for ALC and prevents overdriving the amp by the
rig. The Orion manual claims the Orion requires no ALC feedback from an amp, but how they
avoid overdriving amps that cannot handle a full 100W of drive I do not know.
! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
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! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !
```

4827. Re: [orion565] What are you using foi rig control?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-27 18:59:14 UTC
From: John Huffman
Topic: 4820 Message: 4827

I use N4PY. The price is fair for the performance. Much easier than
using the front panel of the radio.

For digital try DXLab Winwarbler. That one's free.

73 de K1ESE
John

Adam Wade wrote:
>
>
> As a relatively recent convert to Ten-Tec via the direct purchase of a
> factory refurb Orion, I've been facing the steep learning curve, and
> thus far coming out on top. :D I've gotten custom AGC settings down
> fairly well, I've gotten programming and setup well dialed in, and I
> have my audio front end all set for good signal reports and good audio
> quality.
>
> I'm ready to get back into digital modes, using the 565 this time.
> However, I've found that there are some fairly big bugs still in Ham
> Radio Deluxe for the Orion, and it appears as if Simon Brown does not
> have ready access to an Orion to correct those bugs and provide full
> support (and I imagine he probably doesn't have a lot of time for it,
> either!).
> So what are you guys using for rig control for the Orion? HRD's
> interface is not at all bad, and I am very fond of using DM780 for
> digital modes, thus HRD is the natural solution due to how integrated
> DM780 is with HRD for rig control and so forth. Things like quick
> filter setting changes, though, seem to be a little awkward for the
> Orion in HRD, which would be a bit of a handicap.
> The other popular software seems to be N4PY's software, but the user
> iterface does not appear to be as nice, configurable or flexible as
> HRD's; I'm also a bit put off by having to pay a fairly steep
> licensing fee every year to keep support going. Is there any point to
> the yearly fee? Does the Orion version of the software get updates and
> so forth often enough to justify the cost of the yearly licensing fee?
> Is the software good, and what are its flaws as compared against HRD?
> Can it interface nicely with DM780 or other digi-modes software?
> Are there any other options that I'm not covering here? I certainly
> don't mind buying software for the radio if it works well, is
> supported, and has a comfortable and intuitive (or at least heavily
> customizable) user interface. If it's no better than HRD, though, I
> would be hard pressed to spend a lot of money when HRD is available at
> no charge. Opinions are certainly welcomed on this one. My primary
> interests are in digi-modes, with potential bonus points for things
> like rapid rig control for lightweight contesting and/or interfacing

> directly with some sort of full-featured logging software (I like the
> features and interface of logger32 pretty well for right now, and my
> initial look at HRD's logging app makes it seem like it is very thin
> on features like call lookup, awards recordkeeping, prefix country
> info, gray line indication, output for LotW upload, etc.).
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> ! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com
> <http://www.allthings550.com> !
>
>

4828. Re: What are you using foi rig control?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-28 00:43:01 UTC
From: Brad
Topic: 4820 Message: 4828

N4PY for me too.

Brad

--- In orion565@yahoogroups.com, John Huffman <hjohnc@...> wrote:
>
> I use N4PY. The price is fair for the performance. Much easier than
> using the front panel of the radio.
>
> For digital try DXLab Winwarbler. That one's free.
>
> 73 de K1ESE
> John
>
> Adam Wade wrote:
> >
> >
> > As a relatively recent convert to Ten-Tec via the direct purchase
of a
> > factory refurb Orion, I've been facing the steep learning curve, and
> > thus far coming out on top. :D I've gotten custom AGC settings down
> > fairly well, I've gotten programming and setup well dialed in, and I
> > have my audio front end all set for good signal reports and good
audio
> > quality.
> >
> > I'm ready to get back into digital modes, using the 565 this time.
> > However, I've found that there are some fairly big bugs still in Ham
> > Radio Deluxe for the Orion, and it appears as if Simon Brown does not
> > have ready access to an Orion to correct those bugs and provide full
> > support (and I imagine he probably doesn't have a lot of time for it,
> > either!).
> > So what are you guys using for rig control for the Orion? HRD's
> > interface is not at all bad, and I am very fond of using DM780 for
> > digital modes, thus HRD is the natural solution due to how integrated
> > DM780 is with HRD for rig control and so forth. Things like quick
> > filter setting changes, though, seem to be a little awkward for the
> > Orion in HRD, which would be a bit of a handicap.
> > The other popular software seems to be N4PY's software, but the user
> > iterface does not appear to be as nice, configurable or flexible as
> > HRD's; I'm also a bit put off by having to pay a fairly steep
> > licensing fee every year to keep support going. Is there any point to
> > the yearly fee? Does the Orion version of the software get updates
and
> > so forth often enough to justify the cost of the yearly licensing

fee?
> > Is the software good, and what are its flaws as compared against HRD?
> > Can it interface nicely with DM780 or other digi-modes software?
> > Are there any other options that I'm not covering here? I certainly
> > don't mind buying software for the radio if it works well, is
> > supported, and has a comfortable and intuitive (or at least heavily
> > customizable) user interface. If it's no better than HRD, though, I
> > would be hard pressed to spend a lot of money when HRD is
available at
> > no charge. Opinions are certainly welcomed on this one. My primary
> > interests are in digi-modes, with potential bonus points for things
> > like rapid rig control for lightweight contesting and/or interfacing
> > directly with some sort of full-featured logging software (I like the
> > features and interface of logger32 pretty well for right now, and my
> > initial look at HRD's logging app makes it seem like it is very thin
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> > info, gray line indication, output for LotW upload, etc.).
> > ! Adam Wade -===- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
> > ! "I write down everything I want to remember. That way, instead !
> > ! of spending a lot of time trying to remember what it is I wrote !
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> > <http://www.allthings550.com> !
> >
> >
>

4829. Orion II - 2.041 XL - Possible Bugs?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-28 00:53:59 UTC
From: Brad
Topic: 4829 Message: 4829

I played with the Beta firmware for some time and note the following:

The following observation is for RF AGC:
I use AGC threshold to set (V2.039) the the background noise quiet on the rig. I usually set AGC to ~1-2 S units above the noise level to quiet things down. In doing this, the S meter usually moves up/down as AGC is increased/decreased. I have changed bands a number of times now with 2.041XL and the S Meter just wont move when adjusting AGC. Getting out of the menu and going back in seems to fix this issue. I note that it seems to happen the most when going from a band to 20m but have had it happen on other bands. No idea what band would even have to do with things...

The following observation is for AF AGC:
Is it me or does it sound like CW is in a tin can - very "clicky". AGC settings used were the same when switching from one to the other types of AGC. Audio levels to the headset seem way down in AF AGC - not even exercising the AGC system.

Anyone else experiencing the above?
Who does this report go to at Ten-Tec?

Brad

4830. Re: Orion II - 2.041 XL - Possible Bugs?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-28 08:50:33 UTC
From: wc1x
Topic: 4829 Message: 4830

Brad,

I've also been playing around with the new version:

RF AGC: I am unable to replicate your observations regarding
the S meter (S meter will still move up and down with AGC
threshold adjustment).

AF AGC: I am hearing the same things you are,
think I'll stay with the RF AGC.

Have fun,

Marc WC1X (4Z8BB)

--- In orion565@yahoogroups.com, "Brad " <bradld@...> wrote:
>
> I played with the Beta firmware for some time and note the
following:
>
> The following observation is for RF AGC:
> I use AGC threshold to set (V2.039) the the background noise quiet
on
> the rig. I usually set AGC to ~1-2 S units above the noise level to
> quiet things down. In doing this, the S meter usually moves up/down
> as AGC is increased/decreased. I have changed bands a number of
times
> now with 2.041XL and the S Meter just wont move when adjusting AGC.
> Getting out of the menu and going back in seems to fix this issue.
> I note that it seems to happen the most when going from a band to
20m
> but have had it happen on other bands. No idea what band would even
> have to do with things...
>
>
> The following observation is for AF AGC:
> Is it me or does it sound like CW is in a tin can - very "clicky".
> AGC settings used were the same when switching from one to the other
> types of AGC. Audio levels to the headset seem way down in AF AGC -
> not even exercising the AGC system.
>
> Anyone else experiencing the above?
> Who does this report go to at Ten-Tec?
>
>
> Brad

>

4831. Re: [orion565] Orion I and Ameritron AL-82

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-28 02:04:17 UTC
From: Kim Elmore
Topic: 4823 Message: 4831

I have an O II with an AL-80A. Neither Orion has an ALC input. In the days of ALC, we could all simply crank everything fully clockwise and go about our merry way. Not any more...

Besides, you will have difficulty over-driving al AL-82 with a 100 W rig: two 3-500Zs in GG require can easily handle 100 W of drive and then some without being over-driven.

In general, with the O or O II simply provide the Orion with a two-tone signal from something like a sound card (my PSK program does this nicely) and adjust Orion the output to where it needs to be to drive the amp properly. Orion output is essentially controlled by ALC -- simply make sure that you don;t have the mic gain cranked wide open and you'll be good to go.

Kim Elmore, N5OP

At 04:28 PM 2/27/2009, you wrote:

>_____
>From: Mike March <<mailto:lmmarch%40visuallink.com>lmmarch@...>
>To: <mailto:orion565%40yahoogroups.com>orion565@yahoogroups.com
>Sent: Friday, February 27, 2009 7:59:47 AM
>Subject: [orion565] Orion I and Ameritron AL-82
>
> > Hello to the list,
> > Anyone using this combination? ALC connection necessary?
>
>Not using that combination, but as near as I can figure, there is no
>ALC connection on the Orion. I have my Ameritron AL-811 modified
>with AK6G's mods, which include a negative RF feedback resistor that
>elimiates the need for ALC and prevents overdriving the amp by the
>rig. The Orion manual claims the Orion requires no ALC feedback from
>an amp, but how they avoid overdriving amps that cannot handle a
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>! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
>! "I write down everything I want to remember. That way, instead !
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>! - Beryl Pfizer -=- AF6ME -=-
><http://www.allthings550.com>http://www.allthings550.com !
>
>

4832. RE: [orion565] What are you using foi rig control?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-28 00:56:10 UTC
From: Duane Calvin
Topic: 4820 Message: 4832

I use DX4WIN general logging software, and WriteLog for contesting. Both of these use MMTTY as a plug-in for RTTY operation. PSK-31 is another program, I forget which. These combinations do all that I need to do for DXing and contesting.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Adam Wade
Sent: Thursday, February 26, 2009 8:41 PM
To: orion565@yahoogroups.com
Subject: [orion565] What are you using foi rig control?

As a relatively recent convert to Ten-Tec via the direct purchase of a factory refurb Orion, I've been facing the steep learning curve, and thus far coming out on top. :D I've gotten custom AGC settings down fairly well, I've gotten programming and setup well dialed in, and I have my audio front end all set for good signal reports and good audio quality.

I'm ready to get back into digital modes, using the 565 this time. However, I've found that there are some fairly big bugs still in Ham Radio Deluxe for the Orion, and it appears as if Simon Brown does not have ready access to an Orion to correct those bugs and provide full support (and I imagine he probably doesn't have a lot of time for it, either!).
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The other popular software seems to be N4PY's software, but the user iterface does not appear to be as nice, configurable or flexible as HRD's; I'm also a bit put off by having to pay a fairly steep licensing fee every year to keep support going. Is there any point to the yearly fee? Does the Orion version of the software get updates and so forth often enough to justify the cost of the yearly licensing fee? Is the software good, and what are its flaws as compared against HRD? Can it interface nicely with DM780 or other digi-modes software?
Are there any other options that I'm not covering here? I certainly don't mind buying software for the radio if it works well, is supported, and has a comfortable and intuitive (or at least heavily customizable) user interface.

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! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

Yahoo! Groups Links

4833. Re: Orion II - 2.041 XL - Possible Bugs?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-28 15:35:56 UTC
From: Brad
Topic: 4829 Message: 4833

Thanks for the feedback. I went back in this morning to replicate
the problems I saw with the S-meter and AGC threshold settings and
still have the issue. Bottom line - setting the threshold is working
fine but the meter gets stuck when going into the menu screen.
Backing out and going back in seems to get it unstuck.

Maybe I need to try a reset.

Brad

--- In orion565@yahoogroups.com, "wc1x" <marc.chicoine@...> wrote:
>
> Brad,
>
> I've also been playing around with the new version:
>
> RF AGC: I am unable to replicate your observations regarding
> the S meter (S meter will still move up and down with AGC
> threshold adjustment).

4834. Re: [orion565] Re: Orion II - 2.041 XL - Possible Bugs?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-28 16:21:16 UTC
From: James Streible
Topic: 4829 Message: 4834

Brad,

Had the same problem this morning.
S-Meter stuck at about S-7 and didn't move
with RF gain setting. tried both AF and RF AGC with same results.
I did a master reset and the S-Meter went back to working.

So far I am under whelmed by the changes. When I get a chance
to work with it more I will put in my thoughts on the changes.
One thing I do miss is the frequency scale at the bottom of the
band scope and the waterfall display is useless.

Jim K4DLI

Brad wrote:
>
> Thanks for the feedback. I went back in this morning to replicate
> the problems I saw with the S-meter and AGC threshold settings and
> still have the issue. Bottom line - setting the threshold is working
> fine but the meter gets stuck when going into the menu screen.
> Backing out and going back in seems to get it unstuck.
>
> Maybe I need to try a reset.
>
> Brad
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>,
> "wc1x" <marc.chicoine@...> wrote:
> >
> > Brad,
> >
> > I've also been playing around with the new version:
> >
> > RF AGC: I am unable to replicate your observations regarding
> > the S meter (S meter will still move up and down with AGC
> > threshold adjustment).
>
>

4835. Re: Orion II - 2.041 XL - Possible Bugs?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-28 18:30:20 UTC
From: Peter trapani
Topic: 4829 Message: 4835

--- In orion565@yahoogroups.com, James Streible <k4dli@...> wrote:
>
> Brad,
>
> Had the same problem this morning.
> S-Meter stuck at about S-7 and didn't move
> with RF gain setting. tried both AF and RF AGC with same results.
> I did a master reset and the S-Meter went back to working.
>
> So far I am under whelmed by the changes. When I get a chance
> to work with it more I will put in my thoughts on the changes.
> One thing I do miss is the frequency scale at the bottom of the
> band scope and the waterfall display is useless.
>
> Jim K4DLI
>
>
> Brad wrote:
> >
> > Thanks for the feedback. I went back in this morning to replicate
> > the problems I saw with the S-meter and AGC threshold settings and
> > still have the issue. Bottom line - setting the threshold is
working
> > fine but the meter gets stuck when going into the menu screen.
> > Backing out and going back in seems to get it unstuck.
> >
> > Maybe I need to try a reset.
> >
> > Brad
> >
> > --- In orion565@yahoogroups.com <mailto:orion565%
40yahoogroups.com>,
> > "wc1x" <marc.chicoine@> wrote:
> > >
> > > Brad,
> > >
> > > I've also been playing around with the new version:
> > >
> > > RF AGC: I am unable to replicate your observations regarding
> > > the S meter (S meter will still move up and down with AGC
> > > threshold adjustment).
> > >
> > > BRAD
WELL THE FIRMWARE 2.041 XL IS WORKING SO FAR WITH MY ORION
II. NO S METER HANG UP YET EVEN SWITCHING FROM AF AND RF GAIN

SETTINGS. INSTALLED ON 02/2709 AT APPROX 1700HRS. HAVE SHUT DOWN THE ORION II A FEW TIMES TO SEE IF THE RIG WOULD ENCOUNTER ANY PROBLEMS. SO FAR ALL IS GOOD.

(1) IT WAS NICE THAT TEN-TEC MADE THE SCOPE A LITTLE BIGGER AND ADDED SOME COLOR WITH THE WHITE BASED ON THE MENU SETTING FOR THE LCD DISPLAY.

(2) BUT WHAT HAPPEN TO THE FREQUENCY SCALE. THIS IS A POOR DESIGN BY TEN-TEC. BEFORE I WAS ABLE TO TELL HOW WIDE ANOTHER HAM WAS BY THE SCALE. YES IT WAS NOT LIKE USING A FLEX 1000 OR 5000 BUT IT WAS FAIRLY ACCURATE AND WORKED.

(3) THE WATERFALL DISPLAY IS ANOTHER POOR DESIGN BY TEN-TEC. YOU CAN SEE THAT IT IS A BLACK AND WHITE PIECE OF VIDEO THAT SCROLLS AND YOU CAN SEE WHERE IT IS PIECE TOGETHER LIKE A PIECE OF PAPER. I THINK IT IS USELESS AND WOULD NEVER USE IT.

(4) THE RF AND AF AGC SETTING SEEM TO WORK SO FAR. RF AGC NORMAL OPERATION AND THE AF AGC SETTING REDUCING NOISE, BUT SIGNAL FOR EXAMPLE IF YOU ARE LISTENING TO A 59 SIGNAL THE SIGNAL STAYS THE SAME. IT DOES REDUCE ALOT OF NOISE BUT NOT SIGNAL. THIS IS A GREAT TOOL WITH A WITH NOISY BAND CONDITIONS. I DID FINE THAT I HAD TO INCREASE THE AF GAIN LITTLE WHICH IS NO PROBLEM. THIS UPGADE FROM TEN-TEC IS A GOOD ADDED TOOL USING YOUR ORION.

(5) THE SCOPE CHANGE POOR. GIVE ME THE OLD ONE BACK OR IMPROVE THE NEW ONE INCLUDING THE WATERFALL. AF AND RF AGC SETTINGS VERY GOOD SO FAR. STILL HAVE TO PLAY WITH NEW VERSION TO SEE IF I ENCOUNTER ANY OTHER POSSIBLE BUGS.

PETE KG2J 73'S
>

4836. Re: What are you using foi rig control?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-28 19:04:08 UTC
From: Dave Bernstein
Topic: 4820 Message: 4836

Consider the DXLab Suite, which supports your Orion 565 and is free. Defects are generally corrected within 24 hours; the current open defect backlog across the entire Suite is 2.

Besides the usual transceiver control, logging, DX spot collection and digital mode features you'll find in most applications, DXLab

- displays settings for frequency-dependent devices like tuners and amplifiers, and can control external devices like antenna switches

- provides 10 banks of 10 frequency memories, with the ability to continuously scan the frequencies a in a bank

- lets you define up to 16 user-defined command sequences and 8 user-defined "sliders"

- directly prints QSL labels and 4-to-a-page QSL cards

- directly prints addresses on envelopes or labels

- tracks confirmation and verification of QSOs for DXCC and TopList awards, highlighting needed DX spots, automatically generating outgoing QSLs that request confirmation of needed QSLs, identifying confirmed QSOs for submission to the ARRL DXCC desk, and generating DXCC submission paperwork

- reports progress towards DXCC, TopList, Challenge, VUCC, Marathon, WAS, WAC, IOTA, WAZ, WPX, ISA-CA, DOK, WAE, RDA, JARL, and WAB awards

- extracts address information from all 3 CDROM callbooks and QRZ.com (no advertisements for subscribers, with advertisements for non-subscribers)

- provides operations that can alter many logged QSOs simultaneously without requiring the user to modify ADIF files -- e.g. performing callbook lookups on already-logged QSOs, or adjusting the start times of QSOs logged during a specific time range, or extracting QTH information from COMMENT fields, or...

- synchronizes with LotW and eQSL.cc, initiating upload and download operations with a single mouse click without requiring the user to manually invoke TQSL

- provides one-click access to more than 80 web-accessible sources of QSL information

- provides both map-driven and callsign-driven operation of all known PC-controllable rotators

- captures DX spots from up to 6 sources (telnet clusters, packet clusters, DX Summit), creating and maintaining a local database with one entry for each active DX station that is color coded by "need" and LotW participation, and whose entries can be independently filtered and displayed in a table, on its world map, and on a zoomable bandspread

- extracts QSX frequencies from DX spot notes, enabling accurate transceiver setup for split frequency operation with one user action

- captures solar and geomagnetic data from WWV spots and uses this data to display easy-to-understand QST-style graphical propagation forecasts, and to depict the auroral oval on its world map

- monitors user-specified NCDXF/IARU HF beacon schedules to rapidly calibrate propagation forecasts with actual propagation

- decodes all PSK31 or PSK63 or PSK125 QSOs within your transceiver's bandpass and extract callsigns to create and maintain a "stations heard" window

- simultaneously runs soundcard RTTY (using the MMTTY engine) and an external modem (e.g. a KAM or PK232) to provide diversity decoding or the ability to simultaneously decode a DX station and callers

- supports PSK, RTTY, CW (generation only), and Phone (voice keying) with a single user interface and macro facility

- interoperates with with MultiPSK, MMSSTV, MMVARI, MMTTY, MixW, Fldigi, DM780, HRD, and DX Atlas

- is updated frequently, and downloads/installs upgrades with a single mouse click

- is driven by an active and friendly user community open to everyone

The DXLab Suite is available via http://www.dxlabsuite.com/

73,

Dave, AA6YQ

--- In orion565@yahoogroups.com, Adam Wade <espresso_doppio@...> wrote:
>
>
> As a relatively recent convert to Ten-Tec via the direct purchase of a factory refurb Orion, I've been facing the steep learning curve, and thus far coming out on top. :D I've gotten custom AGC settings down fairly well, I've gotten programming and setup well dialed in, and I have my audio front end all set for good signal reports and good audio quality.
>
> I'm ready to get back into digital modes, using the 565 this time.

However, I've found that there are some fairly big bugs still in Ham Radio Deluxe for the Orion, and it appears as if Simon Brown does not have ready access to an Orion to correct those bugs and provide full support (and I imagine he probably doesn't have a lot of time for it, either!).
> So what are you guys using for rig control for the Orion? HRD's interface is not at all bad, and I am very fond of using DM780 for digital modes, thus HRD is the natural solution due to how integrated DM780 is with HRD for rig control and so forth. Things like quick filter setting changes, though, seem to be a little awkward for the Orion in HRD, which would be a bit of a handicap.
> The other popular software seems to be N4PY's software, but the user iterface does not appear to be as nice, configurable or flexible as HRD's; I'm also a bit put off by having to pay a fairly steep licensing fee every year to keep support going. Is there any point to the yearly fee? Does the Orion version of the software get updates and so forth often enough to justify the cost of the yearly licensing fee? Is the software good, and what are its flaws as compared against HRD? Can it interface nicely with DM780 or other digi-modes software?
> Are there any other options that I'm not covering here? I certainly don't mind buying software for the radio if it works well, is supported, and has a comfortable and intuitive (or at least heavily customizable) user interface. If it's no better than HRD, though, I would be hard pressed to spend a lot of money when HRD is available at no charge. Opinions are certainly welcomed on this one. My primary interests are in digi-modes, with potential bonus points for things like rapid rig control for lightweight contesting and/or interfacing directly with some sort of full-featured logging software (I like the features and interface of logger32 pretty well for right now, and my initial look at HRD's logging app makes it seem like it is very thin on features like call lookup, awards recordkeeping, prefix country info, gray line indication, output for LotW upload, etc.).
> ! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
> ! "I write down everything I want to remember. That way, instead !
> ! of spending a lot of time trying to remember what it is I wrote !
> ! down, I spend z time looking for the paper I wrote it down on." !
> ! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !
>

4837. Re: Orion II - 2.041 XL - Possible Bugs?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-28 20:55:36 UTC
From: Brad
Topic: 4829 Message: 4837

Tried the master reset and no luck. AGC S-Meter response still erratic when adjusting threshold level by watching the s-mater. Does not happen every time but when it does it is a pain to push a bunch of buttons to get it to free up.

Noticed another issue when in AF AGC today:

Pushed the notch button by accident while in CW mode and I got what was something that sounded like a frypan - buzzing, crackling, popping. Only thing that would stop it is to switch back to RF AGC.

Tried notch button in RF AGC for kicks - no problems.

Just loaded 2.039 back in with no AGC probelms so I deduce 2.041XL Beta has issues.

I really wonder how much Beta testing TT did of if this release is truly their Beta test.

Brad

4838. Re: Orion II - 2.041 XL - Possible Bugs?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-02-28 21:47:32 UTC
From: Joe
Topic: 4829 Message: 4838

Well, it does say 'beta' next to the download on their web site. I
gather the final version has yet to be posted.
Joe

--- In orion565@yahoogroups.com, "Brad " <bradld@...> wrote:
>
> Tried the master reset and no luck. AGC S-Meter response still
> erratic when adjusting threshold level by watching the s-mater. Does
> not happen every time but when it does it is a pain to push a bunch of
> buttons to get it to free up.
>
> Noticed another issue when in AF AGC today:
>
> Pushed the notch button by accident while in CW mode and I got what
> was something that sounded like a frypan - buzzing, crackling,
> popping. Only thing that would stop it is to switch back to RF AGC.
>
> Tried notch button in RF AGC for kicks - no problems.
>
> Just loaded 2.039 back in with no AGC probelms so I deduce 2.041XL
> Beta has issues.
>
> I really wonder how much Beta testing TT did of if this release is
> truly their Beta test.
>
> Brad
>

4839. Re: Orion II - 2.041 XL - Possible Bugs?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-01 00:14:27 UTC
From: Peter trapani
Topic: 4829 Message: 4839

--- In orion565@yahoogroups.com, "Joe" <joe@...> wrote:
>
> Well, it does say 'beta' next to the download on their web site. I
> gather the final version has yet to be posted.
> Joe
>
> --- In orion565@yahoogroups.com, "Brad " <bradld@> wrote:
> >
> > Tried the master reset and no luck. AGC S-Meter response still
> > erratic when adjusting threshold level by watching the s-mater.
Does
> > not happen every time but when it does it is a pain to push a
bunch of
> > buttons to get it to free up.
> >
> > Noticed another issue when in AF AGC today:
> >
> > Pushed the notch button by accident while in CW mode and I got
what
> > was something that sounded like a frypan - buzzing, crackling,
> > popping. Only thing that would stop it is to switch back to RF
AGC.
> >
> > Tried notch button in RF AGC for kicks - no problems.
> >
> > Just loaded 2.039 back in with no AGC probelms so I deduce
2.041XL
> > Beta has issues.
> >
> > I really wonder how much Beta testing TT did of if this release
is
> > truly their Beta test.
> >
> > Brad
> >
> HAD ENOUGH WITH 2.041 BETA JUST RELOADED 2.039 WORKS GREAT.
PETE KG2J 73,S

4840. Orion II Frimware Beta

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-01 03:55:53 UTC
From: w0ewm
Topic: 4840 Message: 4840

The following note is part of the documentation on the AF and RF AGC facilities.
73, Merle - W0EWM

"To support this feature, it was necessary to modify the DSP code and boot system to allow the radio to

contain 2 full versions of the DSP code. This was required because the DST's are fully loaded, firmware

wise, and did not have room to store both AGC algorithms.

To select between Audio and RF AGC, a menu items has been added to OTHER MENU. The choices are

AF AGC and RF AGC. This selection can be changed at any time but will not take affect until the radio's

power has been cycled."

4841. Firmware upload PROBLEM 566

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-01 04:11:27 UTC
From: norbe1975
Topic: 4841 Message: 4841

I have a big problem and TenTec is closed untill monday.
I have tried to upload the newest firmware on friday for the Orion II. As I did it took forever to upload the firmware (6 lines per minute). I called tentec and they told me it could be a problem with my COM ports. I reinstalled windows XP in the computer just to make sure. Just the same. I switched com ports.... just as slow. I bought a USB-Serial cable and connected it to the computer... Nothing. SLOW AS HELL. I got my laptop and connected the USB cable to the Laptop just to make sure, the same just as slow.
Now I have no big hurry, but what happens is that after about 2-4 hours of uploading the firmware (and I think it is uploading since in the radio it appears program flash and the progressing numbers), the program justs stops, and the progress stops as well.... never gone further than 500.... so what can it be? I cant seem to understand.

PLEASE HELP the radio is as for now DEAD.... just FLASH UPDATE MODE.....

4842. Re: Firmware upload PROBLEM 566

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-01 04:16:37 UTC
From: norbe1975
Topic: 4841 Message: 4842

BTW at the start of the firmware program it says that the communication of the radio is not possible..... If I click on OK than the radio starts by Erasing Flash, and then it goes to program flash, I supose that the communication si fine..... isn't it?

4843. RE: [orion565] Firmware upload PROBLEM 566

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-01 04:56:00 UTC
From: Duane Calvin
Topic: 4841 Message: 4843

1. Be sure you have the speed of the port set to 57600 bps
2. Try another USB to Serial adapter.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of norbe1975
Sent: Saturday, February 28, 2009 10:11 PM
To: orion565@yahoogroups.com
Subject: [orion565] Firmware upload PROBLEM 566

I have a big problem and TenTec is closed untill monday.
I have tried to upload the newest firmware on friday for the Orion II.
As I did it took forever to upload the firmware (6 lines per minute).
I called tentec and they told me it could be a problem with my COM ports. I reinstalled windows XP in the computer just to make sure.
Just the same. I switched com ports.... just as slow. I bought a USB-Serial cable and connected it to the computer... Nothing. SLOW AS HELL. I got my laptop and connected the USB cable to the Laptop just to make sure, the same just as slow.
Now I have no big hurry, but what happens is that after about 2-4 hours of uploading the firmware (and I think it is uploading since in the radio it appears program flash and the progressing numbers), the program justs stops, and the progress stops as well.... never gone further than 500.... so what can it be? I cant seem to understand.

PLEASE HELP the radio is as for now DEAD.... just FLASH UPDATE MODE.....

Yahoo! Groups Links

4844. Re: [orion565] Re: What are you using for rig control?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-01 08:11:18 UTC
From: Adam Wade
Topic: 4844 Message: 4844

Thanks to everyone for their replies thus far. I've been doing a lot of research, have installed and am working with the steep learning curve for the DXLab Suite (is there a good place to go for getting assistance setting it all up? I'd rather not clog any mailing lists with questions, but especially if there is somewhere that shows how various people set up for various rigs and operation situations I would find that immensely useful).

By way of comparison, my yardstick thus far was using HRD with an FT-100D, which was my last microprocessor-driven rig. I was able to access everything I needed on the rig quickly via the on-screen interface, and many features could be accessed much more quickly than via the front of the rig itself.

Thus far, it appears to me that maybe the N4PY software gets me closest to that yardstick, after reading most of the manual for the software. I REALLY wish I could demo it somehow before buying, but it certainly looks to be a complete and full-featured product, with a great deal of thought put into making it fully functional and having a lot of nice features built in that you simply can't get from any radio's front panel. Can any users comment on how often the software is updated at this late stage for the original (565) Orion? My sense is to spend the $65 for the program but not spend the money for the yearly update charge, as I'm thinking that the software is unlikely to be developed much further than it already has, and I am sure that the bugs have been worked out as much as they will be.

I do have to say I'm really liking the DXLabs setup for chasing DX off of clusters. I may use it just for that purpose. I'm not all that excited about direct rig control with it outside of using it to set the VFOs and mode, but that may be due to my lack of understanding of how to configure Commander at this point. But for DX spotting via multiple clusters, it's amazingly full-featured and handy, not to mention configurable. And I am also liking the features of the logging software as well. One question there; I especially like that in logger32 each logbook entry is color-coded based on whether I need to send a LotW or paper QSL, whether I've received a paper QSL, and whether I've gotten a LotW confirmation of the QSO. I don't see right off where I can do that sort of color-coding of the actual log register, and that's the one thing I'd like to have that I don't see right off in the logging software in DXLabs Suite. Can that be configured? Feel free to answer that one off-list since it's not really on topic for this group.

One thing I have noticed with the Orion is that the polling rate seems to be very slow compared to, say, my FT-100D, and that seems to be a limitation of the radio's internal serial port hardware/interface. Is there anything I am missing there, or is that just as good as that gets? I'd love to have a configurable panel on my monitor that gave me ready slider-based access to all of the things on the Orion I like to adjust (especially having quick access to the programmable AGC adjustments) plus quick and easy scalable tuning (a combination of HRD's band-based sliders and DXLabs' Commander's switching of main and sub receiver to allow quick tuning of any frequency without having to manually choose the sub receiver for non-Amateur bands would be made of win for me), but it seems like for rapid adjustments to the rig I am truly best off using the front panel rather than running the rig exclusively from my computer screen. And in a perfect world, I'd not be using half a dozen different programs, each one for a particular use (contesting,

chasing DX, running digital modes) with the attendant potential expense and learning curves, plus much software to maintain -- 1 or 2 apps for a given area (i.e., for rig control, for logging, for digi-modes each) would be by far my preference, so I only have to learn one or two apps, only have to maintain one or two apps, etc. for a given activity (logging, driving the radio, handling digi modes). I welcome anyone whose experience shows that it really is a benefit to run more software than that more tailored to each focus of opertion to share their experience with me to help me understand how and why that might be better.

Looks like a lot of steep learning curves ahead. :) Thanks for your experience and the time spent sharing that with me.

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

4845. Re: [orion565] Re: What are you using for rig control?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-01 20:51:45 UTC
From: Martin Ewing
Topic: 4844 Message: 4845

Adam,

A couple of comments, inserted below:

On Sun, Mar 1, 2009 at 3:11 AM, Adam Wade <espresso_doppio@...> wrote:

>
> ...Can any users comment on how often the software is updated at this late
> stage for the original (565) Orion? My sense is to spend the $65 for the
> program but not spend the money for the yearly update charge, as I'm
> thinking that the software is unlikely to be developed much further than it
> already has, and I am sure that the bugs have been worked out as much as
> they will be.

The Orion 565 is now pretty "mature", IMO. Updates will address some remaining bugs and polish some features, but won't revolutionize the radio. I wouldn't expect a v. 3 firmware, for example. (But I'd like to be proved wrong.) That's a separate issue from the question of control software. Personally, I would be glad to pay a small annual fee to keep the software developer well motivated to maintain the software and fix bugs. For example, to keep up with new PC operating systems, etc. There is such a thing as bit rot.

>
> ...
> One thing I have noticed with the Orion is that the polling rate seems to
> be very slow compared to, say, my FT-100D, and that seems to be a limitation
> of the radio's internal serial port hardware/interface. Is there anything I
> am missing there, or is that just as good as that gets? I'd love to have a
> configurable panel on my monitor that gave me ready slider-based access to
> all of the things on the Orion I like to adjust...

You are right that the serial port control of the 565 is not fast enough to fully emulate the "look and feel" of the front panel. It was not really designed for fast interactive control. In fact, there are several front panel controls that cannot be overridden from the serial port at all (band stacking regs, auto antenna selection, some audio settings, etc.), and that's a nuisance.

The N4PY software does a surprisingly good job, however. Considering the hardware limitations, it does give you a reasonable illusion of "being there". But it won't satisfy everyone.

73 Martin AA6E

[Non-text portions of this message have been removed]

4846. Re: Firmware upload PROBLEM 566

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-01 21:10:18 UTC
From: norbe1975
Topic: 4841 Message: 4846

Ok the ports are set to that speed.. I have tried 2 computers, one with the USB serial, and the other one with the same cable and the serial ports that the computer has.... it is always the same. No difference.

ANY IDEAS????

--- In orion565@yahoogroups.com, "Duane Calvin" <ac5aa1@...> wrote:
>
> 1. Be sure you have the speed of the port set to 57600 bps
> 2. Try another USB to Serial adapter.
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of norbe1975
> Sent: Saturday, February 28, 2009 10:11 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Firmware upload PROBLEM 566
>
> I have a big problem and TenTec is closed untill monday.
> I have tried to upload the newest firmware on friday for the Orion II.
> As I did it took forever to upload the firmware (6 lines per minute).
> I called tentec and they told me it could be a problem with my COM
> ports. I reinstalled windows XP in the computer just to make sure.
> Just the same. I switched com ports.... just as slow. I bought a USB-
> Serial cable and connected it to the computer... Nothing. SLOW AS
> HELL. I got my laptop and connected the USB cable to the Laptop just
> to make sure, the same just as slow.
> Now I have no big hurry, but what happens is that after about 2-4
> hours of uploading the firmware (and I think it is uploading since in
> the radio it appears program flash and the progressing numbers), the
> program justs stops, and the progress stops as well.... never gone
> further than 500.... so what can it be? I cant seem to understand.
>
> PLEASE HELP the radio is as for now DEAD.... just FLASH UPDATE
> MODE.....
>

>
>
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> ------------------------------------
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>
> Yahoo! Groups Links
>

4847. RE: [orion565] Re: Firmware upload PROBLEM 566

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-01 21:55:19 UTC
From: John T. Fleming
Topic: 4841 Message: 4847

I have a 565 so I don't have the update yet, but are you using a straight serial cable or a modem cable?

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of norbe1975
Sent: Sunday, March 01, 2009 4:10 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Firmware upload PROBLEM 566

Ok the ports are set to that speed.. I have tried 2 computers, one with the USB serial, and the other one with the same cable and the serial ports that the computer has.... it is always the same. No difference.

ANY IDEAS????

--- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, "Duane Calvin" <ac5aa1@...> wrote:
>
> 1. Be sure you have the speed of the port set to 57600 bps
> 2. Try another USB to Serial adapter.
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
>
> -----Original Message-----
> From: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com [mailto:orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com] On Behalf
> Of norbe1975
> Sent: Saturday, February 28, 2009 10:11 PM
> To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> Subject: [orion565] Firmware upload PROBLEM 566
>
> I have a big problem and TenTec is closed untill monday.
> I have tried to upload the newest firmware on friday for the Orion II.
> As I did it took forever to upload the firmware (6 lines per minute).

> I called tentec and they told me it could be a problem with my COM
> ports. I reinstalled windows XP in the computer just to make sure.
> Just the same. I switched com ports.... just as slow. I bought a USB-
> Serial cable and connected it to the computer... Nothing. SLOW AS
> HELL. I got my laptop and connected the USB cable to the Laptop just
> to make sure, the same just as slow.
> Now I have no big hurry, but what happens is that after about 2-4
> hours of uploading the firmware (and I think it is uploading since in
> the radio it appears program flash and the progressing numbers), the
> program justs stops, and the progress stops as well.... never gone
> further than 500.... so what can it be? I cant seem to understand.
>
> PLEASE HELP the radio is as for now DEAD.... just FLASH UPDATE
> MODE.....
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> ------------------------------------
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>
> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4848. Re: [orion565] Re: What are you using for rig control?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-01 17:49:05 UTC
From: Mike, K9UW
Topic: 4844 Message: 4848

http://www.dxlabsuite.com/dxlabwiki/GettingStarted

73, de Mike, K9UW
Amherst, WI

Adam Wade wrote:
>
>
> Thanks to everyone for their replies thus far. I've been doing a lot
> of research, have installed and am working with the steep learning
> curve for the DXLab Suite (is there a good place to go for getting
> assistance setting it all up? I'd rather not clog any mailing lists
> with questions, but especially if there is somewhere that shows how
> various people set up for various rigs and operation situations I
> would find that immensely useful).
>
> By way of comparison, my yardstick thus far was using HRD with an
> FT-100D, which was my last microprocessor-driven rig. I was able to
> access everything I needed on the rig quickly via the on-screen
> interface, and many features could be accessed much more quickly than
> via the front of the rig itself.
>
> Thus far, it appears to me that maybe the N4PY software gets me
> closest to that yardstick, after reading most of the manual for the
> software. I REALLY wish I could demo it somehow before buying, but it
> certainly looks to be a complete and full-featured product, with a
> great deal of thought put into making it fully functional and having a
> lot of nice features built in that you simply can't get from any
> radio's front panel. Can any users comment on how often the software
> is updated at this late stage for the original (565) Orion? My sense
> is to spend the $65 for the program but not spend the money for the
> yearly update charge, as I'm thinking that the software is unlikely to
> be developed much further than it already has, and I am sure that the
> bugs have been worked out as much as they will be.
>
> I do have to say I'm really liking the DXLabs setup for chasing DX off
> of clusters. I may use it just for that purpose. I'm not all that
> excited about direct rig control with it outside of using it to set
> the VFOs and mode, but that may be due to my lack of understanding of
> how to configure Commander at this point. But for DX spotting via
> multiple clusters, it's amazingly full-featured and handy, not to
> mention configurable. And I am also liking the features of the logging
> software as well. One question there; I especially like that in
> logger32 each logbook entry is color-coded based on whether I need to
> send a LotW or paper QSL, whether I've received a paper QSL, and

> whether I've gotten a LotW confirmation of the QSO. I don't see right
> off where I can do that sort of color-coding of the actual log
> register, and that's the one thing I'd like to have that I don't see
> right off in the logging software in DXLabs Suite. Can that be
> configured? Feel
> free to answer that one off-list since it's not really on topic for
> this group.
>
> One thing I have noticed with the Orion is that the polling rate seems
> to be very slow compared to, say, my FT-100D, and that seems to be a
> limitation of the radio's internal serial port hardware/interface. Is
> there anything I am missing there, or is that just as good as that
> gets? I'd love to have a configurable panel on my monitor that gave me
> ready slider-based access to all of the things on the Orion I like to
> adjust (especially having quick access to the programmable AGC
> adjustments) plus quick and easy scalable tuning (a combination of
> HRD's band-based sliders and DXLabs' Commander's switching of main and
> sub receiver to allow quick tuning of any frequency without having to
> manually choose the sub receiver for non-Amateur bands would be made
> of win for me), but it seems like for rapid adjustments to the rig I
> am truly best off using the front panel rather than running the rig
> exclusively from my computer screen. And in a perfect world, I'd not
> be using half a dozen different programs, each one for a particular
> use (contesting, chasing DX, running digital modes) with the attendant
> potential expense and learning curves, plus much software to maintain
> -- 1 or 2 apps for a given area (i.e., for rig control, for logging,
> for digi-modes each) would be by far my preference, so I only have to
> learn one or two apps, only have to maintain one or two apps, etc. for
> a given activity (logging, driving the radio, handling digi modes). I
> welcome anyone whose experience shows that it really is a benefit to
> run more software than that more tailored to each focus of opertion to
> share their experience with me to help me understand how and why that
> might be better.
>
> Looks like a lot of steep learning curves ahead. :) Thanks for your
> experience and the time spent sharing that with me.
>
> ! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
> ! "I write down everything I want to remember. That way, instead !
> ! of spending a lot of time trying to remember what it is I wrote !
> ! down, I spend z time looking for the paper I wrote it down on." !
> ! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com
> <http://www.allthings550.com> !
>
>
> ---
>
>
> No virus found in this incoming message.
> Checked by AVG - www.avg.com

> Version: 8.0.237 / Virus Database: 270.11.5/1978 - Release Date: 03/01/09 07:04:00
>
>

[Non-text portions of this message have been removed]

4850. Re: Orion I and Ameritron AL-82

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-01 22:17:19 UTC
From: k1fpv
Topic: 4823 Message: 4850

I have my Orion II driving an AL-82 and with 100 watts. On all but 2 bands, I can get 1500 watts out. I have no ALC hookup and the 100 watt rigs probably don't produce enough signal to require ALC if the audio gain isn't too high.

I have an AL-811 I use as a backup amp that is using 3 572B's in it and I just reduce the drive to 40 watts or less when using that amp....again without any ALC. I consistently get good audio reports. I wouldn't worry about not using the ALC.....just keep the drive down.

--- In orion565@yahoogroups.com, "Mike March" <lmmarch@...> wrote:
>
> Hello to the list,
> Anyone using this combination? ALC connection necessary?
>
> I am currently using the Ten-Tec Centaur amplifier with the Orion.
>
> Any observations appreciated.
>
> 73, Mike K4QU
> http://www.qsl.net/k4qu
>

4851. Re: Firmware upload PROBLEM 566

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-01 23:32:02 UTC
From: norbe1975
Topic: 4841 Message: 4851

Well I am using a normal Serial, and a USB to Serial (supose also
normal). Does it need a special cable to do the update?

--- In orion565@yahoogroups.com, "John T. Fleming" <john@...> wrote:
>
> I have a 565 so I don't have the update yet, but are you using a
straight
> serial cable or a modem cable?
>
>
>
> 73,
>
> John
>
>
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
Behalf
> Of norbe1975
> Sent: Sunday, March 01, 2009 4:10 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Firmware upload PROBLEM 566
>
>
>
> Ok the ports are set to that speed.. I have tried 2 computers, one
> with the USB serial, and the other one with the same cable and the
> serial ports that the computer has.... it is always the same. No
> difference.
>
> ANY IDEAS????
>
> --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com>
s.com, "Duane
> Calvin" <ac5aa1@> wrote:
> >
> > 1. Be sure you have the speed of the port set to 57600 bps
> > 2. Try another USB to Serial adapter.
> >
> > 73, Duane
> >
> > Duane Calvin, AC5AA

> > Austin, Texas
> > www.ac5aa.com
> >
> >
> > -----Original Message-----
> > From: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> [mailto:orion565@yahoogroup <mailto:orion565%40yahoogroups.com>
s.com] On
> Behalf
> > Of norbe1975
> > Sent: Saturday, February 28, 2009 10:11 PM
> > To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> > Subject: [orion565] Firmware upload PROBLEM 566
> >
> > I have a big problem and TenTec is closed untill monday.
> > I have tried to upload the newest firmware on friday for the Orion II.
> > As I did it took forever to upload the firmware (6 lines per minute).
> > I called tentec and they told me it could be a problem with my COM
> > ports. I reinstalled windows XP in the computer just to make sure.
> > Just the same. I switched com ports.... just as slow. I bought a USB-
> > Serial cable and connected it to the computer... Nothing. SLOW AS
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> >
> > Yahoo! Groups Links
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> [Non-text portions of this message have been removed]
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4852. RE: [orion565] Re: Firmware upload PROBLEM 566

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-02 00:25:28 UTC
From: John T. Fleming
Topic: 4841 Message: 4852

Just be sure that it is a straight serial cable. The modem cable can have the pins crossed. There is also a null-modem cable with pins crossed. It is just an idea since you had trouble with both computers. I use a USB to serial adapter and the cable that came with my Orion. I had trouble with an upload awhile back and found that by powering down the computer and then restarting cured the problem. Have you looked at your system hardware to be sure you are using the correct port? If you are using XP, go to Start, right click on My Computer and select properties. Under that you should find a hardware tab. Look at the serial port. It will tell you what port it is. If you are using a USB to serial adapter, this is the only way to be sure you have the correct port. Years ago, I had an IBM laptop that had the infra-red adapter. If it was enabled, that disabled the only serial port. Look at the hardware list and see if anything has a yellow symbol in front of it. That means that something is not working correctly.

Good luck and 73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of norbe1975
Sent: Sunday, March 01, 2009 6:32 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Firmware upload PROBLEM 566

Well I am using a normal Serial, and a USB to Serial (supose also normal). Does it need a special cable to do the update?

--- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, "John T. Fleming" <john@...> wrote:
>
> I have a 565 so I don't have the update yet, but are you using a straight
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>
>
>
> 73,
>
> John
>
>
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> -----

>
> From: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
[mailto:orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com] On
Behalf
> Of norbe1975
> Sent: Sunday, March 01, 2009 4:10 PM
> To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> Subject: [orion565] Re: Firmware upload PROBLEM 566
>
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>
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> serial ports that the computer has.... it is always the same. No
> difference.
>
> ANY IDEAS????
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> --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com>
s.com, "Duane
> Calvin" <ac5aa1@> wrote:
> >
> > 1. Be sure you have the speed of the port set to 57600 bps
> > 2. Try another USB to Serial adapter.
> >
> > 73, Duane
> >
> > Duane Calvin, AC5AA
> > Austin, Texas
> > www.ac5aa.com
> >
> >
> > -----Original Message-----
> > From: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> [mailto:orion565@yahoogroup <mailto:orion565%40yahoogroups.com>
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> > Of norbe1975
> > Sent: Saturday, February 28, 2009 10:11 PM
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> > Just the same. I switched com ports.... just as slow. I bought a USB-
> > Serial cable and connected it to the computer... Nothing. SLOW AS
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> > program justs stops, and the progress stops as well.... never gone
> > further than 500.... so what can it be? I cant seem to understand.
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> > PLEASE HELP the radio is as for now DEAD.... just FLASH UPDATE
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> > Yahoo! Groups Links
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

4853. Re: [orion565] Re: What are you using for rig control?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-01 22:06:01 UTC
From: Adam Wade
Topic: 4844 Message: 4853

From: "Mike, K9UW" <k9uw@...>
To: orion565@yahoogroups.com
Sent: Sunday, March 1, 2009 9:49:05 AM
Subject: Re: [orion565] Re: What are you using for rig control?

> http://www.dxlabsuite.com/dxlabwiki/GettingStarted

Been working my way through that. I wish it was more readily searchable (like a compiled HTML document or a PDF) so I could skip clicking through a lot of the basics to get right to the meat of what I am looking for, but any help is better than no help. :D I guess it'll just take some time, I just have to set some aside for getting everything understood and set up. I can't afford to have to do that with 10 pieces of software at this level, though... More investment than I'd like to make, and I suspect I can get what I want out of rig control without having to take that much time reading manuals and adjusting settings. :D

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

4854. Re: [orion565] Orion II - 2.041 XL - Possible Bugs?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-02 15:57:29 UTC
From: James Streible
Topic: 4829 Message: 4854

I was checking out the new firmware 2.041XL this weekend and had a strange think happen.

The band scope background turned solid red and the signals were still showing in white, as normal, on top of the red. The red background began to break up into vertical strips that looked like a picket fence. About the time it was ready for the last narrow red stripes to vanish it would re-sweep and the entire scope background would be a solid red again and the whole thing would repeat. This continued for some time. At first I thought it was caused by lightning crashes. However, I went to a dummy load and turned the RF gain all the way down and it still continued. I tried both RFand AF AGC without any change. Nothing seemed to effect the way it behaved. Finally, I turned the Orion off and waited about 30 seconds and turned it back on and everything was normal. It has not happened again. Go figure!

Some other observations, they can take out the AF derived AGC and the waterfall display and give us back the frequency scale and selected sweep ranges. Also, I think the band scope height could be reduced by about 1/4 inch and make the display for the bandwidths close to their old height.

Jim K4DLI

Brad wrote:
>
> I played with the Beta firmware for some time and note the following:
>
> The following observation is for RF AGC:
> I use AGC threshold to set (V2.039) the the background noise quiet on
> the rig. I usually set AGC to ~1-2 S units above the noise level to
> quiet things down. In doing this, the S meter usually moves up/down
> as AGC is increased/decreased. I have changed bands a number of times
> now with 2.041XL and the S Meter just wont move when adjusting AGC.
> Getting out of the menu and going back in seems to fix this issue.
> I note that it seems to happen the most when going from a band to 20m
> but have had it happen on other bands. No idea what band would even
> have to do with things...
>
> The following observation is for AF AGC:
> Is it me or does it sound like CW is in a tin can - very "clicky".

> AGC settings used were the same when switching from one to the other
> types of AGC. Audio levels to the headset seem way down in AF AGC -
> not even exercising the AGC system.
>
> Anyone else experiencing the above?
> Who does this report go to at Ten-Tec?
>
> Brad
>
>

4855. Re: [orion565] Orion II - 2.041 XL - Possible Bugs?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-02 16:19:24 UTC
From: Fotis SV8ING
Topic: 4829 Message: 4855

Hi James

The ''flame red''? sweep disappears when you press the sweep off and on.
It happens all the time ,I've seen it several times.

Also notice that:
Change to AF AGC and press NR and then Notch.
Wait a while and you will have an audio crash.You will hear only ''white noise''.
Change to RF AGC and everything is fine ,the audio comes back.

These 2 are well known bugs of this beta release.

73

Fotis SV8ING

GREECE

http://www.geocities.com/sv8ing/Fotis_SV8ING.html

--- ???? ????., 02/03/09, ?/? James Streible <k4dli@...> ??????:
???: James Streible <k4dli@...>
????: Re: [orion565] Orion II - 2.041 XL - Possible Bugs?
????: orion565@yahoogroups.com
??????????: ???????, 2 ??????? 2009, 15:57

I was checking out the new firmware 2.041XL this weekend and had a strange

think happen.

The band scope background turned solid red and the signals were

still showing in white, as normal, on top of the red. The red background

began to

break up into vertical strips that looked like a picket fence. About

the time

it was ready for the last narrow red stripes to vanish it would re-sweep

and the entire scope background would be a solid red again and the

whole thing would repeat. This continued for some time. At first I

thought it

was caused by lightning crashes. However, I went to a dummy load and

turned the RF gain all the way down and it still continued. I tried both RFand
AF AGC without any change. Nothing seemed to effect the way it behaved. Finally, I turned the Orion off and waited about 30 seconds and turned it back on and everything was normal. It has not happened again. Go figure! Some other observations, they can take out the AF derived AGC and the waterfall
display and give us back the frequency scale and selected sweep ranges. Also,
I think the band scope height could be reduced by about 1/4 inch and make the
display for the bandwidths close to their old height.
Jim K4DLI
Brad wrote:
>
> I played with the Beta firmware for some time and note the following:
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> I use AGC threshold to set (V2.039) the the background noise quiet on
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> as AGC is increased/decreased . I have changed bands a number of times
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> Getting out of the menu and going back in seems to fix this issue.
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> AGC settings used were the same when switching from one to the other

> types of AGC. Audio levels to the headset seem way down in AF AGC -

> not even exercising the AGC system.

>

> Anyone else experiencing the above?

> Who does this report go to at Ten-Tec?

>

> Brad

>

>

_____
?????????????? Yahoo!;
?????????? ?? ?????????? ???????? (spam); ?? Yahoo! Mail
???????? ??? ???????? ?????? ????????? ???? ??? ???????????
????????? http://login.yahoo.com/config/mail?.intl=gr

[Non-text portions of this message have been removed]

4856. Re: [orion565] Orion II - 2.041 XL - Possible Bugs?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-02 17:20:11 UTC
From: James Streible
Topic: 4829 Message: 4856

Fotis,

Thanks for the info.
I have not had the audio crash yet as I have
not set up the procedures as you described them.

Jim K4DLI

Fotis SV8ING wrote:
> Hi James
>
> The ''flame red'' sweep disappears when you press the sweep off and on.
> It happens all the time ,I've seen it several times.
>
> Also notice that:
> Change to AF AGC and press NR and then Notch.
> Wait a while and you will have an audio crash.You will hear only ''white noise''.
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> These 2 are well known bugs of this beta release.
>
>
> 73
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> Fotis SV8ING
>
> GREECE
>
> http://www.geocities.com/sv8ing/Fotis_SV8ING.html
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> --- ???? ????., 02/03/09, ?/? James Streible <k4dli@...> ??????:
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> ????: Re: [orion565] Orion II - 2.041 XL - Possible Bugs?
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> ??????????: ???????, 2 ??????? 2009, 15:57
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> Jim K4DLI
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> Brad wrote:
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>> quiet things down. In doing this, the S meter usually moves up/down
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>> but have had it happen on other bands. No idea what band would even
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>> have to do with things...
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>> The following observation is for AF AGC:
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>> Is it me or does it sound like CW is in a tin can - very "clicky".
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>> AGC settings used were the same when switching from one to the other
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>> types of AGC. Audio levels to the headset seem way down in AF AGC -
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>> not even exercising the AGC system.
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>> Anyone else experiencing the above?
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>> Who does this report go to at Ten-Tec?
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>> Brad
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4857. Re: [orion565] Re: Orion I and Ameritron AL-82

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-02 17:52:22 UTC
From: Adam Wade
Topic: 4823 Message: 4857

From: k1fpv <k1fpv@...>
To: orion565@yahoogroups.com
Sent: Sunday, March 1, 2009 2:17:19 PM
Subject: [orion565] Re: Orion I and Ameritron AL-82

> I have an AL-811 I use as a backup amp that is using 3 572B's in it
> and I just reduce the drive to 40 watts or less when using that
> amp....again without any ALC. I consistently get good audio reports. I
> wouldn't worry about not using the ALC.....just keep the drive down.

A side note; if you have 3x 811A/572B tubes in your amp, it's an AL-811H; the AL-811 has a pair of 811As and is rated at 600W PEP max. Max drive rating for the AL-811 is 70 watts PEP; are you running a higher duty cycle mode than SSB? 40 watts sounds extremely conservative to me, especially with 572Bs installed, whether you have ALC or not. You might also want to consider installing an AG6K kit with anode protection fusing, grid protection fusing, improved low-Q VHF parasitic suppressors, and perhaps most importantly, negative RF feedback. The last will preclude the need for ALC, allow you to drive the 811 with a full 100 watts without overdriving the amp, and responds much more quickly than ALC can, doing a better job protecting the amp. I've installed his stuff in my AL-811, and it has all been working wonderfully for me. :)

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

4858. Re: [orion565] Re: Orion I and Ameritron AL-82

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-02 18:27:35 UTC
From: Don Nesbitt
Topic: 4823 Message: 4858

Just for the record, the "side note" in the quoted post below is not accurate. The factory stock Ameritron AL-811 is fitted with three (3) 811A's and the factory stock Ameritron AL-811H is fitted with four (4) 811A's.

572B's can indeed be directly substituted in these amps and will give you a little cushion in anode dissipation - but - ultimately, the power output is limited in each amplifier by the power supply. Don't expect any more power output by making the substitution. If you drive the "wee" out of them, the 572B's should hold up better and may give you a little more peace of mind! Then again, why not just run them in spec? No one on the other end is going to notice the difference unless they are using lab instruments under controlled conditions. As usual, YMMV! '73 -- Don N4HH

--- On Mon, 3/2/09, Adam Wade <espresso_doppio@...> wrote:

From: Adam Wade <espresso_doppio@...>
Subject: Re: [orion565] Re: Orion I and Ameritron AL-82
To: orion565@yahoogroups.com
Date: Monday, March 2, 2009, 12:52 PM

---------- --------- --------- --
From: k1fpv <k1fpv@arrl.net>
To: orion565@yahoogroup s.com
Sent: Sunday, March 1, 2009 2:17:19 PM
Subject: [orion565] Re: Orion I and Ameritron AL-82

> I have an AL-811 I use as a backup amp that is using 3 572B's in it
> and I just reduce the drive to 40 watts or less when using that
> amp....again without any ALC. I consistently get good audio reports. I
> wouldn't worry about not using the ALC.....just keep the drive down.

A side note; if you have 3x 811A/572B tubes in your amp, it's an AL-811H; the AL-811 has a pair of 811As and is rated at 600W PEP max. Max drive rating for the AL-811 is 70 watts PEP; are you running a higher duty cycle mode than SSB? 40 watts sounds extremely conservative to me, especially with 572Bs installed, whether you have ALC or not. You might also want to consider installing an AG6K kit with anode protection fusing, grid protection fusing, improved low-Q VHF parasitic suppressors, and perhaps most importantly, negative RF feedback. The last will preclude the need for ALC, allow you to drive the 811 with a full 100 watts without overdriving the amp, and responds much more quickly than ALC can, doing a better job protecting the amp. I've installed his stuff in my AL-811, and it has all been working wonderfully for me. :)

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthing s550.com !

[Non-text portions of this message have been removed]

4859. Re: [orion565] Re: Orion I and Ameritron AL-82

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-02 19:55:14 UTC
From: Adam Wade
Topic: 4823 Message: 4859

From: Don Nesbitt <n4hh@...>
To: orion565@yahoogroups.com
Sent: Monday, March 2, 2009 10:27:35 AM
Subject: Re: [orion565] Re: Orion I and Ameritron AL-82

> Just for the record, the "side note" in the quoted post below is not
> accurate. The factory stock Ameritron AL-811 is fitted with three
> (3) 811A's and the factory stock Ameritron AL-811H is fitted with
> four (4) 811A's.

D'oh. Talk about a brain fart... And I was just inside my AL-811 a few weeks ago. Whoops. I knew that one. Chalk it up to not getting my Mirapex on a regular enough basis. :/
> 572B's can indeed be directly substituted in these amps and will
> give you a little cushion in anode dissipation - but - ultimately, the
> power output is limited in each amplifier by the power supply.
Yep, absolutely correct. With additional power supply voltage you can get a lot more out of a 572B than an 811A, but without changing the power supply you are essentially just insuring that you're less likely to wreck the tubes if you make a major mistake.
> Don't expect any more power output by making the substitution.
> If you drive the "wee" out of them, the 572B's should hold up
> better and may give you a little more peace of mind! Then again,
> why not just run them in spec? No one on the other end is going
> to notice the difference unless they are using lab instruments
> under controlled conditions.
Also agreed. Was this comment in response to my comment? I never suggested you could get any more out of an 811A or a 572B in a grounded-grid amp designed for 811As. I was suggesting that using negative RF freedback would provide better protection against overdriving the amp, and the attendant splatter, and would allow pretty much any drive level without an ALC connection without any worry about overdriving the amp. Ergo my comment that I can happily drive the amp all day long at 100W exciter output without any splatter or damaging the tubes (which are the stock 811As that came with the Ameritron; I beleve they are of Chinese manufacture), and with no ALC connection. Since it seems most Ten-Tec rigs (and certainly the Orion) do not have an ALC connection for attachment to an RF PA, this mod might be worthwhile for peace of mind in protecting the PA's finals as well as being a "good neighbor" and not causing splatter by flat-topping your peaks. I have not checked the output of my PA with an analyzer (although I have been toying with the idea of getting one of the units from Clean RF Technologies as I have a 20 Mhz 'scope on the bench), but I suspect this would also be very helpful if you wanted to run a high duty cycle digital mode with a PA and wanted to avoid splattering and taking out a lot of adjacent signals (although I would generally recommend against using a PA with most digi-modes for the sake of those folks who may not have a lot of tight crystal filtering, so you don't swamp their receiver front ends -- PSK comes to mind especially, as it traditionally operates in a very narrow range of each HF band).
! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !

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! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !
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4860. Orion I and Acom 1000

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-02 21:01:46 UTC
From: i6qfz
Topic: 4860 Message: 4860

Hello everyone
I have a question about the connection between the Orion I and Acom 1000 PA.
More specifically if you have only used the connector Key In on the Acom and AMP KEY 1 on the Orion or if it is better to use the pair of connectors
TX OUT 1 / TX EN 1 on the Orion and Key In and Key Out on the Acom.
From what I read on the manuals of these devices would appear that the second solution is better for QSK.
Thanks
Franco I6QFZ

4861. Re: Orion II - 2.041 XL - Possible Bugs?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-03 05:33:43 UTC
From: Mike, K9UW
Topic: 4829 Message: 4861

Like others, I've seen the "red sweep" moving from right to left,
sometimes these sweeps occur within seconds of one another.

I'm also seeing the sweep's white peeks capped by red highlights. Upon
closer examination, It actually appears that there are red peaks behind
the white peaks and that the red peaks are trending higher than the
white ones.

Tried reloading the firmware - no change.

73, de Mike, K9UW
Amherst, WI

Fotis SV8ING wrote:
> Hi James
>
> The ''flame red'' sweep disappears when you press the sweep off and on.
> It happens all the time ,I've seen it several times.
>
> Also notice that:
> Change to AF AGC and press NR and then Notch.
> Wait a while and you will have an audio crash.You will hear only ''white noise''.
> Change to RF AGC and everything is fine ,the audio comes back.
>
> These 2 are well known bugs of this beta release.
>
>
> 73
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> Fotis SV8ING
>
> GREECE
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4862. Re: [orion565] Re: Orion II - 2.041 XL - Possible Bugs?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-03 07:01:53 UTC
From: Fotis SV8ING
Topic: 4829 Message: 4862

Hi
The flame red sweep is something different from the one you see ''mooving from left to right''.
This one happens from time to time and the whole area of the sweep becomes red.Then you see vertical black lines falling? from top to bottom, again and again.

The red peaks you see are part of the new spectrum.
These are the higher positions of the white peaks but they are delayed so you can see exactly where the signals are.

73

Fotis SV8ING

GREECE

--- ???? ????., 03/03/09, ?/? Mike, K9UW <k9uw@...> ??????:
???: Mike, K9UW <k9uw@...>
????: [orion565] Re: Orion II - 2.041 XL - Possible Bugs?
????: orion565@yahoogroups.com
??????????: ?????, 3 ??????? 2009, 5:33

Like others, I've seen the "red sweep" moving from right to left,

sometimes these sweeps occur within seconds of one another.

I'm also seeing the sweep's white peeks capped by red highlights. Upon

closer examination, It actually appears that there are red peaks behind

the white peaks and that the red peaks are trending higher than the

white ones.

Tried reloading the firmware - no change.

73, de Mike, K9UW

Amherst, WI

Fotis SV8ING wrote:

> Hi James

>

> The ''flame red'' sweep disappears when you press the sweep off and on.

> It happens all the time ,I've seen it several times.

>

> Also notice that:

> Change to AF AGC and press NR and then Notch.

> Wait a while and you will have an audio crash.You will hear only ''white noise''.

> Change to RF AGC and everything is fine ,the audio comes back.

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> These 2 are well known bugs of this beta release.

>

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> Fotis SV8ING

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> GREECE

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[Non-text portions of this message have been removed]

4863. Re: [orion565] Re: Orion II - 2.041 XL - Possible Bugs?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-03 14:13:35 UTC
From: James Streible
Topic: 4829 Message: 4863

Fotis,

I checked out the audio lock up you mentioned earlier and
mine did the same thing after a few minutes. Also, thanks
for the tip about pushing the "Scan" button to get rid of the
solid red back ground rather then turning the radio off and back on.
The red is appearing more frequently now and seems to be worse
when I am on 20 meters. Although I can't think of why it should be
worse on any one band.

73,

Jim K4DLI

Fotis SV8ING wrote:
> Hi
> The flame red sweep is something different from the one you see ''mooving from left to right''.
> This one happens from time to time and the whole area of the sweep becomes red.Then you see vertical black lines falling from top to bottom, again and again.
>
> The red peaks you see are part of the new spectrum.
> These are the higher positions of the white peaks but they are delayed so you can see exactly where the signals are.
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> 73
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> Fotis SV8ING
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> GREECE
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> --- ???? ????., 03/03/09, ?/? Mike, K9UW <k9uw@...> ??????:
> ???: Mike, K9UW <k9uw@...>
> ????: [orion565] Re: Orion II - 2.041 XL - Possible Bugs?
> ????: orion565@yahoogroups.com
> ??????????: ?????, 3 ??????? 2009, 5:33
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> sometimes these sweeps occur within seconds of one another.
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> I'm also seeing the sweep's white peeks capped by red highlights. Upon
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> closer examination, It actually appears that there are red peaks behind
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> the white peaks and that the red peaks are trending higher than the
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> white ones.
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> Tried reloading the firmware - no change.
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> 73, de Mike, K9UW
>
> Amherst, WI
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> Fotis SV8ING wrote:
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>> Hi James
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>> It happens all the time ,I've seen it several times.
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>> Also notice that:

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>> Change to AF AGC and press NR and then Notch.
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>> Wait a while and you will have an audio crash.You will hear only ''white noise''.
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>> Change to RF AGC and everything is fine ,the audio comes back.
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>> These 2 are well known bugs of this beta release.
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4864. Re: [orion565] Re: Orion II - 2.041 XL - Possible Bugs?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-03 14:33:53 UTC
From: Fotis SV8ING
Topic: 4829 Message: 4864

Jim

There are times that I see it often, like 5 times in an hour,
and sometimes I don't see it for 2 hours.(in the same band-80 meters)
I don't know what is causing it...

73

Fotis SV8ING

GREECE

--- Στις Τρίτ., 03/03/09, o/η James Streible <k4dli@...> έγραψε:
Από: James Streible <k4dli@...>
Θέμα: Re: [orion565] Re: Orion II - 2.041 XL - Possible Bugs?
Προς: orion565@yahoogroups.com
Ημερομηνία: Τρίτη, 3 Μάρτιος 2009, 14:13

Fotis,

I checked out the audio lock up you mentioned earlier and

mine did the same thing after a few minutes. Also, thanks

for the tip about pushing the "Scan" button to get rid of the

solid red back ground rather then turning the radio off and back on.

The red is appearing more frequently now and seems to be worse

when I am on 20 meters. Although I can't think of why it should be

worse on any one band.

73,

Jim K4DLI

Fotis SV8ING wrote:

> Hi

> The flame red sweep is something different from the one you see ''mooving from left to right''.

> This one happens from time to time and the whole area of the sweep becomes red.Then you see vertical black lines falling from top to bottom, again and again.

>

> The red peaks you see are part of the new spectrum.

> These are the higher positions of the white peaks but they are delayed so you can see exactly where the signals are.

>

> 73

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> Fotis SV8ING

>

> GREECE

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> --- Óôéò Ôñßô., 03/03/09, ï/ç Mike, K9UW <k9uw@wi-net. com> Ýãñáøå:

> Áðü: Mike, K9UW <k9uw@wi-net. com>

> ÈÝìá: [orion565] Re: Orion II - 2.041 XL - Possible Bugs?

> Ðñïò: orion565@yahoogroup s.com

> Çìåñïìçíßá: Ôñßôç, 3 ÌÜñôéïò 2009, 5:33

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> Like others, I've seen the "red sweep" moving from right to left,

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> sometimes these sweeps occur within seconds of one another.

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> closer examination, It actually appears that there are red peaks behind

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> Tried reloading the firmware - no change.

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> 73, de Mike, K9UW

>

> Amherst, WI

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> [Non-text portions of this message have been removed]

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> Yahoo! Groups Links

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Χρησιμοποιείτε Yahoo!;
Βαρεθήκατε τα ενοχλητικά μηνύματα (spam); Το Yahoo! Mail
διαθέτει την καλύτερη δυνατή προστασία κατά των ενοχλητικών

μηνυμάτων http://login.yahoo.com/config/mail?.intl=gr

[Non-text portions of this message have been removed]

4865. Re: Orion I and Ameritron AL-82

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-03 15:45:11 UTC
From: k1fpv
Topic: 4823 Message: 4865

FYI, I can get just over 800 watts out of the AL-811 with 3 572B's in it if I drive it hard enough. The secret is to keep the grid current under 150ma so that the tube specs aren't exceeded. The power supply in the AL-811 and the AL-811H are the same. They all use the same components in the supplies.

73,
Bill
K1FPV

--- In orion565@yahoogroups.com, Adam Wade <espresso_doppio@...> wrote:
>
>
> _____
> From: Don Nesbitt <n4hh@...>
> To: orion565@yahoogroups.com
> Sent: Monday, March 2, 2009 10:27:35 AM
> Subject: Re: [orion565] Re: Orion I and Ameritron AL-82
>
> > Just for the record, the "side note" in the quoted post below is not
> > accurate. The factory stock Ameritron AL-811 is fitted with three
> > (3) 811A's and the factory stock Ameritron AL-811H is fitted with
> > four (4) 811A's.
>
> D'oh. Talk about a brain fart... And I was just inside my AL-811 a few weeks ago. Whoops. I knew that one. Chalk it up to not getting my Mirapex on a regular enough basis. :/
> > 572B's can indeed be directly substituted in these amps and will
> > give you a little cushion in anode dissipation - but - ultimately, the
> > power output is limited in each amplifier by the power supply.
> Yep, absolutely correct. With additional power supply voltage you can get a lot more out of a 572B than an 811A, but without changing the power supply you are essentially just insuring that you're less likely to wreck the tubes if you make a major mistake.
> > Don't expect any more power output by making the substitution.
> > If you drive the "wee" out of them, the 572B's should hold up
> > better and may give you a little more peace of mind! Then again,
> > why not just run them in spec? No one on the other end is going
> > to notice the difference unless they are using lab instruments
> > under controlled conditions.
> Also agreed. Was this comment in response to my comment? I never suggested you could get any more out of an 811A or a 572B in a grounded-grid amp designed for 811As. I was suggesting that using negative RF freedback would provide better protection against overdriving the amp, and the attendant splatter, and would allow

pretty much any drive level without an ALC connection without any worry about overdriving the amp. Ergo my comment that I can happily drive the amp all day long at 100W exciter output without any splatter or damaging the tubes (which are the stock 811As that came with the Ameritron; I beleve they are of Chinese manufacture), and with no ALC connection. Since it seems most Ten-Tec rigs (and certainly the Orion) do not have an ALC connection for attachment to an RF PA, this mod might be worthwhile for peace of mind in protecting the PA's finals as well as being a "good neighbor" and not causing splatter by flat-topping your peaks. I

> have not checked the output of my PA with an analyzer (although I have been toying with the idea of getting one of the units from Clean RF Technologies as I have a 20 Mhz 'scope on the bench), but I suspect this would also be very helpful if you wanted to run a high duty cycle digital mode with a PA and wanted to avoid splattering and taking out a lot of adjacent signals (although I would generally recommend against using a PA with most digi-modes for the sake of those folks who may not have a lot of tight crystal filtering, so you don't swamp their receiver front ends -- PSK comes to mind especially, as it traditionally operates in a very narrow range of each HF band).

> ! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
> ! "I write down everything I want to remember. That way, instead !
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> ! down, I spend z time looking for the paper I wrote it down on." !
> ! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !
>

4866. v2.041XL

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-03 16:27:00 UTC
From: Charles Stampf
Topic: 4866 Message: 4866

Is it possible that some of the 'bugs' being seen with the latest beta release are related to corrupt loads to the radio?

I experienced the abnormal audio squeal when switching to AF AGC and selecting the Notch filter. I then reloaded the code a couple times with the same result. I then tried reloading, using another laptop computer with an RS232 port. I did a battery reset to the radio and, lo and behold, the squeal is gone. The radio seems to operate as it should. I can switch from RF to AF AGC with no apparent problems.

I know that there are timing variances among RS232 ports resulting in corrupt data being passed. I wonder if the O2 uses hardware handshaking when passing data to the radio? Or, maybe it was the battery reset that fixed the problem......or was I just LUCKY?

[Non-text portions of this message have been removed]

4867. Re: [orion565] Re: Orion II - 2.041 XL - Possible Bugs?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-03 21:22:27 UTC
From: James Streible
Topic: 4829 Message: 4867

Fotis,

Neither do I. I am a complete dummy when it comes to
software programs. Lets hope the guys at TenTec have
it all figured out. I just run them--can't write them.

Jim K4DLI

Fotis SV8ING wrote:
>
> Jim
>
> There are times that I see it often, like 5 times in an hour,
> and sometimes I don't see it for 2 hours.(in the same band-80 meters)
> I don't know what is causing it...
>
> 73
>
> Fotis SV8ING
>
>
>

4868. Re: [orion565] Re: Orion I and Ameritron AL-82

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-04 01:19:17 UTC
From: Adam Wade
Topic: 4823 Message: 4868

From: k1fpv <k1fpv@...>
To: orion565@yahoogroups.com
Sent: Tuesday, March 3, 2009 7:45:11 AM
Subject: [orion565] Re: Orion I and Ameritron AL-82

> FYI, I can get just over 800 watts out of the AL-811 with 3 572B's in
> it if I drive it hard enough. The secret is to keep the grid current
> under 150ma so that the tube specs aren't exceeded. The power supply
> in the AL-811 and the AL-811H are the same. They all use the same
> components in the supplies.

Didn't know that the power supplies were the same between the 811 and the 811H... Hm, almost makes me want to re-tap the xfmr for somewhat higher plate voltage when I put in 672Bs.

With the stock 811As, I've seen 700W PEP on my Dishtronix DWM-2104A calibrated for each band PEP/average reading wattmeter/crossed-needle SWR meter. And that's about as far as I ever want to take my 811As. :D Heck, if the core of the xfmr is heavy enough I could conceive of re-winding it myself at some point to really get more out of a trio of 572Bs. ;)

We now return you to your regularly-scheduled Orion chat (and I have a few more posts to reply to regarding rig control software, as well).

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

4869. Re: Hot Plugging

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-04 15:23:56 UTC
From: Peter Frenning [OZ1PIF]
Topic: 4869 Message: 4869

Joe Giacobello skrev:
> Peter, many thanks for your tip regarding hot plugging and that seems
> to have been my problem here. I'm curious to know just exactly what
> you mean by hot plugging. Should one not disconnect the serial plug
> while data are flowing or when any electrically active sending or
> receiving device is connected? In other words, should all the units
> in such a system be "off"?
>
> Frankly, I have been using and working with computers since the days
> of the Vic 20 and I wasn't aware of the sensitivity of UARTs to that
> kind of failure. Apparently, it's a well known problem.
>
> 73, Joe
> K2XX
>
Hi Joe,

Hot plugging is simply the practice of plugging or un-plugging the cable while the connected devices are powered up.
In this case the DB-25/DB-9 connectors have not been designed to have guarantied GND connection established before any other pins have a chance of connecting with their counterpart. Couple that with the common practice of running computers and other electronic gear without a safety-ground connection (against all recommendations or even requirements for installation), is begging for trouble. All computer power-supplies have filters in their mains input, employing a capacitive potential divider between the phase and return, with the midpoint tied to ground. If the ground is allowed to float, or just have a rather high resistance to ground, there may be as much as a 115V (with 230V mains) AC ground potential on the device. Connecting such a device to other electronic devices, with other ground potential, is clearly a recipe for failures.

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

4870. low power

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-04 18:42:09 UTC
From: ea7grd2003
Topic: 4870 Message: 4870

Hi.
I recently bought a orion II, although I am learning to manage.
The output power is low, only 50 w, measured with my Bird.
I think the ALC will not let go 100 w, any solution?
Thank you.
Francisco EA7GRD

4871. RE: [orion565] low power

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-04 19:04:06 UTC
From: Mike Schatzberg
Topic: 4870 Message: 4871

Francisco:

Are you referring to the key down CW output of your O2, the maximum PEP output of your O2 on SSB, or the average power output in SSB?

Is your Bird wattmeter a model 43 or 43P?

Thank you for more information.

73,

Mike

W2AJI

> To: orion565@yahoogroups.com
> From: ea7grd2003@...
> Date: Wed, 4 Mar 2009 18:42:09 +0000
> Subject: [orion565] low power
>
> Hi.
> I recently bought a orion II, although I am learning to manage.
> The output power is low, only 50 w, measured with my Bird.
> I think the ALC will not let go 100 w, any solution?
> Thank you.
> Francisco EA7GRD
>
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4872. Re: low power

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-04 19:53:52 UTC
From: ea7grd2003
Topic: 4870 Message: 4872

Hi Mike.
80 W in cw mode and less than 50W in ssb mode.
Bird wattmeter model is 43P, I've also used a wattmeter Diamond SX1000 and measures are similar.
Thanks for your interest.
Francisco EA7GRD

--- In orion565@yahoogroups.com, Mike Schatzberg <wow_chf@...> wrote:
>
>
> Francisco:
>
>
>
> Are you referring to the key down CW output of your O2, the maximum PEP output of your O2 on SSB, or the average power output in SSB?
>
>
>
> Is your Bird wattmeter a model 43 or 43P?
>
>
>
> Thank you for more information.
>
>
>
> 73,
>
>
>
> Mike
>
> W2AJI
>
> > To: orion565@yahoogroups.com
> > From: ea7grd2003@...
> > Date: Wed, 4 Mar 2009 18:42:09 +0000
> > Subject: [orion565] low power
> >
> > Hi.
> > I recently bought a orion II, although I am learning to manage.
> > The output power is low, only 50 w, measured with my Bird.
> > I think the ALC will not let go 100 w, any solution?
> > Thank you.

> > Francisco EA7GRD
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> > Yahoo! Groups Links
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> [Non-text portions of this message have been removed]
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4873. RE: [orion565] Re: low power

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-04 20:34:51 UTC
From: Tony Lelieveld
Topic: 4870 Message: 4873

Francisco,

Two, dumb, questions. Are you terminated in a dummy load when you do the measurement and does your power indicator at the top left corner on the screen show 100. If not, make sure it is activated by being in a Blue color and turn the multi knob until it shows 100 then try again. Just a possibility.

73, Tony VE3DWI

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of ea7grd2003
Sent: March 4, 2009 14:54
To: orion565@yahoogroups.com
Subject: [orion565] Re: low power

Hi Mike.
80 W in cw mode and less than 50W in ssb mode.
Bird wattmeter model is 43P, I've also used a wattmeter Diamond SX1000 and measures are similar.
Thanks for your interest.
Francisco EA7GRD

--- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, Mike Schatzberg <wow_chf@...> wrote:
>
>
> Francisco:
>
>
>
> Are you referring to the key down CW output of your O2, the maximum PEP output of your O2 on SSB, or the average power output in SSB?
>
>
>
> Is your Bird wattmeter a model 43 or 43P?
>
>
>
> Thank you for more information.
>
>
>

> 73,
>
>
>
> Mike
>
> W2AJI
>
> > To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> > From: ea7grd2003@...
> > Date: Wed, 4 Mar 2009 18:42:09 +0000
> > Subject: [orion565] low power
> >
> > Hi.
> > I recently bought a orion II, although I am learning to manage.
> > The output power is low, only 50 w, measured with my Bird.
> > I think the ALC will not let go 100 w, any solution?
> > Thank you.
> > Francisco EA7GRD
> >
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> > Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4874. Re: low power

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-04 22:29:55 UTC
From: ea7grd2003
Topic: 4870 Message: 4874

Tony.
The power indicator is on 100.
The system for measuring power is:

OrionII---------Bird----------Dummy load

Thanks
Francisco EA7GRD

--- In orion565@yahoogroups.com, "Tony Lelieveld" <ve3dwi@...> wrote:
>
> Francisco,
>
> Two, dumb, questions. Are you terminated in a dummy load when you do the
> measurement and does your power indicator at the top left corner on the
> screen show 100. If not, make sure it is activated by being in a Blue color
> and turn the multi knob until it shows 100 then try again. Just a
> possibility.
>
> 73, Tony VE3DWI
>
>
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of ea7grd2003
> Sent: March 4, 2009 14:54
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: low power
>
>
>
> Hi Mike.
> 80 W in cw mode and less than 50W in ssb mode.
> Bird wattmeter model is 43P, I've also used a wattmeter Diamond SX1000 and
> measures are similar.
> Thanks for your interest.
> Francisco EA7GRD
>
> --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, Mike
> Schatzberg <wow_chf@> wrote:
> >
> >
> > Francisco:
> >

> >
> >
> > Are you referring to the key down CW output of your O2, the maximum PEP
> output of your O2 on SSB, or the average power output in SSB?
> >
> >
> >
> > Is your Bird wattmeter a model 43 or 43P?
> >
> >
> >
> > Thank you for more information.
> >
> >
> >
> > 73,
> >
> >
> >
> > Mike
> >
> > W2AJI
> >
> > > To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> > > From: ea7grd2003@
> > > Date: Wed, 4 Mar 2009 18:42:09 +0000
> > > Subject: [orion565] low power
> > >
> > > Hi.
> > > I recently bought a orion II, although I am learning to manage.
> > > The output power is low, only 50 w, measured with my Bird.
> > > I think the ALC will not let go 100 w, any solution?
> > > Thank you.
> > > Francisco EA7GRD
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4875. Re: [orion565] Re: low power

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-04 23:04:04 UTC
From: Fotis SV8ING
Topic: 4870 Message: 4875

Hello Francisco

I use the Powermaster which is a very accurate wattmeter.When I key down in CW mode I see about 83-84 Watts.When I speak in SSB mode I see peaks at 80,85,sometimes over 90 till 95 (rarely)depending from? the mic I use.
Notice here that you have to ''press'' a little hard the ALC with the 2 mic gains, to get the power out.

If you have the Bird 43p,and you can measure peaks,you should see some peaks way over 50Watts,if you key down 80W in CW.
If your Orion has a tuner and you use it,you loose some power as well .

So something is wrong there in your shack.Check the wattmeter, set up again your Orion and good luck!

I would like the Orion to have a little more power,too.About 10-15Watts more...
But you can't have it all...!

73

Fotis SV8ING

GREECE

--- ???? ???., 04/03/09, ?/? ea7grd2003 <ea7grd2003@...> ??????:

???: ea7grd2003 <ea7grd2003@...>
????: [orion565] Re: low power
????: orion565@yahoogroups.com
??????????: ???????, 4 ??????? 2009, 22:29

Tony.

The power indicator is on 100.

The system for measuring power is:

OrionII----- ----Bird- --------- Dummy load

Thanks

Francisco EA7GRD

--- In orion565@yahoogroup s.com, "Tony Lelieveld" <ve3dwi@...> wrote:

>

> Francisco,

>

> Two, dumb, questions. Are you terminated in a dummy load when you do the
> measurement and does your power indicator at the top left corner on the
> screen show 100. If not, make sure it is activated by being in a Blue color
> and turn the multi knob until it shows 100 then try again. Just a
> possibility.
>
> 73, Tony VE3DWI
>
>
>
> _____
>
> From: orion565@yahoogroup s.com [mailto:orion565@yahoogroup s.com] On Behalf
> Of ea7grd2003
> Sent: March 4, 2009 14:54
> To: orion565@yahoogroup s.com
> Subject: [orion565] Re: low power
>
>
>
> Hi Mike.
> 80 W in cw mode and less than 50W in ssb mode.
> Bird wattmeter model is 43P, I've also used a wattmeter Diamond SX1000 and
> measures are similar.
> Thanks for your interest.
> Francisco EA7GRD
>
> --- In orion565@yahoogroup <mailto:orion565% 40yahoogroups. com> s.com, Mike
> Schatzberg <wow_chf@> wrote:

> >

> >

> > Francisco:

> >

> >

> >

> > Are you referring to the key down CW output of your O2, the maximum PEP

> output of your O2 on SSB, or the average power output in SSB?

> >

> >

> >

> > Is your Bird wattmeter a model 43 or 43P?

> >

> >

> >

> > Thank you for more information.

> >

> >

> >

> > 73,

> >

> >

> >

> > Mike

> >

> > W2AJI

> >

> > > To: orion565@yahoogroup <mailto:orion565% 40yahoogroups. com> s.com

> > > From: ea7grd2003@

> > > Date: Wed, 4 Mar 2009 18:42:09 +0000

> > > Subject: [orion565] low power

> > >

> > > Hi.

> > > I recently bought a orion II, although I am learning to manage.

> > > The output power is low, only 50 w, measured with my Bird.

> > > I think the ALC will not let go 100 w, any solution?

> > > Thank you.

> > > Francisco EA7GRD

> > >

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> > > Yahoo! Groups Links

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????????? http://login.yahoo.com/config/mail?.intl=gr

[Non-text portions of this message have been removed]

4876. An odd problem Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-05 00:45:10 UTC
From: Ross
Topic: 4876 Message: 4876

I mainly use my Orion II to drive a transverter for EME. I decode the information coming down with WSJT 6.

That program shows the input signal strength coming from the receiver and for efficient decoding needs to be set
at about 1db.

My problem is that the ouput from the Orion decreases quite rapidly after switching on. Initially set up with WSJT showing 1db, over the next 30 to 45 minutes the output decreases to -5db.

It is not the input signal to the Orion, which comes from a large 2m array, as I have swapped the transverter 28mhz output
from the Orion to my Elecraft K3 and WSJT with the K3 is rock staedy on 1db.
Yes the interface between the Orion and the computer is a USInterface Navigator, but that is not the problem as I have
swapped those as well, (I have 2 of them) and the problem still occurs.

The Lineout on the orion II is set at Line out source "Main" Line out level "High"

Comments and advice please.

Regards
Ross
ZL1WN

[Non-text portions of this message have been removed]

4877. RE: [orion565] Re: low power

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-05 04:26:13 UTC
From: Mike Schatzberg
Topic: 4870 Message: 4877

Hello Francisco:s The IF Converter Board is located directly under the speaker in the O2. I am attaching a photo which clearly shows the ALC Set pot on the converter board. It is to the right of three other pots, including the meter calibration pot. It is clearly labeled. Set your encoder to show 100 watts on the O2 screen, and I would set the ALC Set pot to produce an output of about 110 watts maximum. Your radio should then be able to output 100 watts easily into a 50 ohm dummy load. Ignore the ALC lamp. It is not a good indicator of adequate audio drive level. The lamp should be lit continuously, and your Speech Processor on and set to number 7. Adjust your microphone gain, and your hardware microphone gain, to indicate an average power of about 45% of the Maximum PEP output. Without adequate microphone gain, the RF compressor will not produce a significant increase in the average power output. After you have adjusted your O2, according to the above, get some on the air quality checks. You should receive excellent reports, as the processor does not distort the audio in any way at these levels. I found my photo, it should make adjustments very simple for you. Just make sure your Bird 43P has a good 100H element, and your dummy load is truly 50 ohms. Good luck. 73 and Happy DXing, Mike W2AJI ------

-----Original Message-----
From: ea7grd2003
Sent: 3/4/2009 10:29:55 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: low power
Tony.
The power indicator is on 100.
The system for measuring power is:

OrionII---------Bird----------Dummy load

Thanks
Francisco EA7GRD

--- In orion565@yahoogroups.com, "Tony Lelieveld" <ve3dwi@...> wrote:
>
> Francisco,
>
> Two, dumb, questions. Are you terminated in a dummy load when you do the
> measurement and does your power indicator at the top left corner on the
> screen show 100. If not, make sure it is activated by being in a Blue color
> and turn the multi knob until it shows 100 then try again. Just a
> possibility.
>
> 73, Tony VE3DWI
>
>
>
> _____
>

> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of ea7grd2003
> Sent: March 4, 2009 14:54
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: low power
>
>
>
> Hi Mike.
> 80 W in cw mode and less than 50W in ssb mode.
> Bird wattmeter model is 43P, I've also used a wattmeter Diamond SX1000 and
> measures are similar.
> Thanks for your interest.
> Francisco EA7GRD
>
> --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, Mike
> Schatzberg <wow_chf@> wrote:
> >
> >
> > Francisco:
> >
> >
> >
> > Are you referring to the key down CW output of your O2, the maximum PEP
> output of your O2 on SSB, or the average power output in SSB?
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> >
> > Is your Bird wattmeter a model 43 or 43P?
> >
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> >
> > Thank you for more information.
> >
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> >
> > 73,
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> >
> >
> > Mike
> >
> > W2AJI
> >
> > > To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> > > From: ea7grd2003@
> > > Date: Wed, 4 Mar 2009 18:42:09 +0000
> > > Subject: [orion565] low power
> > >
> > > Hi.

> > > I recently bought a orion II, although I am learning to manage.
> > > The output power is low, only 50 w, measured with my Bird.
> > > I think the ALC will not let go 100 w, any solution?
> > > Thank you.
> > > Francisco EA7GRD
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> > > Yahoo! Groups Links
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Yahoo! Groups Links

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4878. Possible Orion II/2.041XL Bug - VOX hangs

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-05 09:25:38 UTC
From: Peter Frenning [OZ1PIF]
Topic: 4878 Message: 4878

I have noticed that my VOX hangs indefinitely once in a while. Simply turning VOX off and on again clears the condition, and you can continue VOX operation - at least until it hangs again - sometimes in few minutes, at other times you can go on for several hours before it fails.

I haven't seen this reported before - anyone else noticed?

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

4879. Re: [orion565] Possible Orion II/2.041XL Bug - VOX hangs

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-05 11:36:25 UTC
From: Palle Iversen
Topic: 4878 Message: 4879

Hallo

Exactly the same thing I have seen, but only when the sweep is on, but I know several who have other problems with the new software.
Ten-Tec gotta get it corrected so that we again have the world's best radio.

OZ4N Palle
I'm best for Danish.

----- Original Message -----
From: Peter Frenning [OZ1PIF]
To: Discussion of Ten-Tec Equipment ; orion565@yahoogroups.com
Sent: Thursday, March 05, 2009 10:25 AM
Subject: [orion565] Possible Orion II/2.041XL Bug - VOX hangs

I have noticed that my VOX hangs indefinitely once in a while. Simply
turning VOX off and on again clears the condition, and you can continue
VOX operation - at least until it hangs again - sometimes in few
minutes, at other times you can go on for several hours before it fails.

I haven't seen this reported before - anyone else noticed?

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

--
Jeg beskyttes af den gratis SPAMfighter til privatbrugere.
Den har indtil videre sparet mig for at få 734 spam-mails.
Betalende brugere får ikke denne besked i deres e-mails.
Hent gratis SPAMfighter her: http://www.spamfighter.com/lda

[Non-text portions of this message have been removed]

4880. Re: Possible Orion II/2.041XL Bug - VOX hangs

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-05 15:00:52 UTC
From: dxshortwave
Topic: 4878 Message: 4880

You must report all these things directly to Ten Tec to get them fixed. They may or may not read this reflector.

Don

--- In orion565@...m, "Palle Iversen" <palle@...> wrote:
>
> Hallo
>
> Exactly the same thing I have seen, but only when the sweep is on, but I know several who have other problems with the new software.
> Ten-Tec gotta get it corrected so that we again have the world's best radio.
>
> OZ4N Palle
> I'm best for Danish.
>
>
> ----- Original Message -----
> From: Peter Frenning [OZ1PIF]
> To: Discussion of Ten-Tec Equipment ; orion565@yahoogroups.com
> Sent: Thursday, March 05, 2009 10:25 AM
> Subject: [orion565] Possible Orion II/2.041XL Bug - VOX hangs
>
>
> I have noticed that my VOX hangs indefinitely once in a while. Simply
> turning VOX off and on again clears the condition, and you can continue
> VOX operation - at least until it hangs again - sometimes in few
> minutes, at other times you can go on for several hours before it fails.
>
> I haven't seen this reported before - anyone else noticed?
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> ** CW: Who? Me? You must be joking!! **
> email: peter(no-spam-filler)@...
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **********
>

> [Non-text portions of this message have been removed]
>
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>
>
> --
> Jeg beskyttes af den gratis SPAMfighter til privatbrugere.
> Den har indtil videre sparet mig for at få 734 spam-mails.
> Betalende brugere får ikke denne besked i deres e-mails.
> Hent gratis SPAMfighter her: http://www.spamfighter.com/lda
>
>
> [Non-text portions of this message have been removed]
>

4881. Re: [orion565] Re: Possible Orion II/2.041XL Bug - VOX hangs

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-05 15:18:03 UTC
From: Peter Frenning [OZ1PIF]
Topic: 4878 Message: 4881

dxshortwave skrev:
> You must report all these things directly to Ten Tec to get them fixed. They may or may not read this reflector.
>
> Don
>
Question is how, or rather what email address? There's no such address I can find, the nearest is: sales@... and that's hardly appropriate for this purpose.

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

4882. Re: [orion565] Re: Possible Orion II/2.041XL Bug - VOX hangs

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-05 15:34:45 UTC
From: Billy Cox
Topic: 4878 Message: 4882

ditsnbits@...

73 de Billy, AA4NU

-----Original Message-----
>>Question is how, or rather what email address? There's no such address I
>can find, the nearest is: sales@... and that's hardly appropriate
>for this purpose.
>
>--
>Vy 73 de OZ1PIF/5Q2M, Peter

4883. Re: [orion565] Re: Possible Orion II/2.041XL Bug - VOX hangs

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-05 15:36:46 UTC
From: Fotis SV8ING
Topic: 4878 Message: 4883

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hi If you want to communicate directly with the software developers of Tentec,try the following email address: ditsnbits@tentec.com 73 Fotis SV8ING GREECE ...

4884. RE: [orion565] Re: Possible Orion II/2.041XL Bug - VOX hangs

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-05 15:42:47 UTC
From: John T. Fleming
Topic: 4878 Message: 4884

The addresses I use for Ten-Tec are as follows:

ditsnbits@... for the software problems

sales@... for sales questions

service@... for service questions

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Peter Frenning [OZ1PIF]
Sent: Thursday, March 05, 2009 10:18 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Possible Orion II/2.041XL Bug - VOX hangs

dxshortwave skrev:
> You must report all these things directly to Ten Tec to get them fixed. They may or may not read this reflector.
>
> Don
>
Question is how, or rather what email address? There's no such address I can find, the nearest is: sales@tentec. <mailto:sales%40tentec.com> com and that's hardly appropriate
for this purpose.

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning <http://www.frenning.dk/oz1pif.htm> .dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

4885. Re: [orion565] Re: Possible Orion II/2.041XL Bug - VOX hangs

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-05 15:50:09 UTC
From: Peter Frenning [OZ1PIF]
Topic: 4878 Message: 4885

Fotis SV8ING skrev:
> Hi
> If you want to communicate directly with the software developers of Tentec,try
> the following email address:
> ditsnbits@...
>
Thanks Fotis and Billy, I have now reported the problem to
SW-engineering directly

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

4886. Re: low power

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-05 16:05:45 UTC
From: ea7grd2003
Topic: 4870 Message: 4886

Hi Mike.
I followed your instructions and the problem has been solved, now the O2 pulls 100w of power without any problem.
Thank you very much for your help, also the other group members that have expressed interest in the problem of my Orion.
Good luck. 73
Francisco EA7GRD

--- In orion565@yahoogroups.com, "Mike Schatzberg " <wow_chf@...> wrote:
>
> Hello Francisco:s The IF Converter Board is located directly under the speaker in the O2. I am attaching a photo which clearly shows the ALC Set pot on the converter board. It is to the right of three other pots, including the meter calibration pot. It is clearly labeled. Set your encoder to show 100 watts on the O2 screen, and I would set the ALC Set pot to produce an output of about 110 watts maximum. Your radio should then be able to output 100 watts easily into a 50 ohm dummy load. Ignore the ALC lamp. It is not a good indicator of adequate audio drive level. The lamp should be lit continuously, and your Speech Processor on and set to number 7. Adjust your microphone gain, and your hardware microphone gain, to indicate an average power of about 45% of the Maximum PEP output. Without adequate microphone gain, the RF compressor will not produce a significant increase in the average power output. After you have adjusted your O2, according to the above, get some on the air quality checks. You should receive excellent reports, as the processor does not distort the audio in any way at these levels. I found my photo, it should make adjustments very simple for you. Just make sure your Bird 43P has a good 100H element, and your dummy load is truly 50 ohms. Good luck. 73 and Happy DXing, Mike W2AJI ------
>
>
> -----Original Message-----
> From: ea7grd2003
> Sent: 3/4/2009 10:29:55 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: low power
> Tony.
> The power indicator is on 100.
> The system for measuring power is:
>
> OrionII---------Bird----------Dummy load
>
> Thanks
> Francisco EA7GRD
>
>
>
> --- In orion565@yahoogroups.com, "Tony Lelieveld" <ve3dwi@> wrote:
> >

> > Francisco,
> >
> > Two, dumb, questions. Are you terminated in a dummy load when you do the
> > measurement and does your power indicator at the top left corner on the
> > screen show 100. If not, make sure it is activated by being in a Blue color
> > and turn the multi knob until it shows 100 then try again. Just a
> > possibility.
> >
> > 73, Tony VE3DWI
> >
> >
> >
> > _____
> >
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > Of ea7grd2003
> > Sent: March 4, 2009 14:54
> > To: orion565@yahoogroups.com
> > Subject: [orion565] Re: low power
> >
> >
> >
> > Hi Mike.
> > 80 W in cw mode and less than 50W in ssb mode.
> > Bird wattmeter model is 43P, I've also used a wattmeter Diamond SX1000 and
> > measures are similar.
> > Thanks for your interest.
> > Francisco EA7GRD
> >
> > --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, Mike
> > Schatzberg <wow_chf@> wrote:
> > >
> > >
> > > Francisco:
> > >
> > >
> > >
> > > Are you referring to the key down CW output of your O2, the maximum PEP
> > output of your O2 on SSB, or the average power output in SSB?
> > >
> > >
> > >
> > > Is your Bird wattmeter a model 43 or 43P?
> > >
> > >
> > >
> > > Thank you for more information.
> > >
> > >
> > >

> > > 73,
> > >
> > >
> > >
> > > Mike
> > >
> > > W2AJI
> > >
> > > > To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> > > > From: ea7grd2003@
> > > > Date: Wed, 4 Mar 2009 18:42:09 +0000
> > > > Subject: [orion565] low power
> > > >
> > > > Hi.
> > > > I recently bought a orion II, although I am learning to manage.
> > > > The output power is low, only 50 w, measured with my Bird.
> > > > I think the ALC will not let go 100 w, any solution?
> > > > Thank you.
> > > > Francisco EA7GRD
> > > >
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4887. RE: [orion565] Re: low power

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-05 18:19:06 UTC
From: Mike Schatzberg
Topic: 4870 Message: 4887

Hello Francisco:

I am very glad to learn that the procedure for calibration of your ALC restored the full output of your O2.

I received many emails asking for the picture of the IF converter board, and I will make the picture available on my website, along with the instructions for adjusting the ALC set point, as well as the method for adjusting the O2 microphone gain controls to assure the Speech Processor (RF Compressor) is working optimally.

I hope to see you on 20 meters soon.

73 and Happy DXing,

Mike

W2AJI

> To: orion565@yahoogroups.com
> From: ea7grd2003@...
> Date: Thu, 5 Mar 2009 16:05:45 +0000
> Subject: [orion565] Re: low power
>
> Hi Mike.
> I followed your instructions and the problem has been solved, now the O2 pulls 100w of power without any problem.
> Thank you very much for your help, also the other group members that have expressed interest in the problem of my Orion.
> Good luck. 73
> Francisco EA7GRD
>
> --- In orion565@yahoogroups.com, "Mike Schatzberg " <wow_chf@...> wrote:
> >
> > Hello Francisco:s The IF Converter Board is located directly under the speaker in the O2. I am attaching a photo which clearly shows the ALC Set pot on the converter board. It is to the right of three other pots, including the meter calibration pot. It is clearly labeled. Set your encoder to show 100 watts on the O2 screen, and I would set the ALC Set pot to produce an output of about 110 watts maximum. Your radio should then be able to output 100 watts easily into a 50 ohm dummy load. Ignore the ALC lamp. It is not a good indicator of adequate audio drive level. The lamp should be lit continuously, and your Speech Processor on and set to number 7. Adjust your microphone gain, and your hardware microphone gain, to indicate an average power of about 45% of the Maximum PEP output. Without adequate microphone gain, the RF compressor will not produce a significant increase in the average power output. After you have adjusted your O2, according to the above, get some on the air quality checks. You should receive excellent reports, as the processor does not distort the audio in any way at these levels. I found my photo, it should make adjustments very simple for you. Just make sure your Bird 43P has a good 100H element, and

your dummy load is truly 50 ohms. Good luck. 73 and Happy DXing, Mike W2AJI ------
> >
> >
> > -----Original Message-----
> > From: ea7grd2003
> > Sent: 3/4/2009 10:29:55 PM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] Re: low power
> > Tony.
> > The power indicator is on 100.
> > The system for measuring power is:
> >
> > OrionII---------Bird----------Dummy load
> >
> > Thanks
> > Francisco EA7GRD
> >
> >
> >
> > --- In orion565@yahoogroups.com, "Tony Lelieveld" <ve3dwi@> wrote:
> > >
> > > Francisco,
> > >
> > > Two, dumb, questions. Are you terminated in a dummy load when you do the
> > > measurement and does your power indicator at the top left corner on the
> > > screen show 100. If not, make sure it is activated by being in a Blue color
> > > and turn the multi knob until it shows 100 then try again. Just a
> > > possibility.
> > >
> > > 73, Tony VE3DWI
> > >
> > >
> > >
> > > _____
> > >
> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > > Of ea7grd2003
> > > Sent: March 4, 2009 14:54
> > > To: orion565@yahoogroups.com
> > > Subject: [orion565] Re: low power
> > >
> > >
> > >
> > > Hi Mike.
> > > 80 W in cw mode and less than 50W in ssb mode.
> > > Bird wattmeter model is 43P, I've also used a wattmeter Diamond SX1000 and
> > > measures are similar.
> > > Thanks for your interest.
> > > Francisco EA7GRD
> > >
> > > --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, Mike

> > > Schatzberg <wow_chf@> wrote:
> > > >
> > > >
> > > > Francisco:
> > > >
> > > >
> > > >
> > > > Are you referring to the key down CW output of your O2, the maximum PEP
> > > output of your O2 on SSB, or the average power output in SSB?
> > > >
> > > >
> > > >
> > > > Is your Bird wattmeter a model 43 or 43P?
> > > >
> > > >
> > > >
> > > > Thank you for more information.
> > > >
> > > >
> > > >
> > > > 73,
> > > >
> > > >
> > > >
> > > > Mike
> > > >
> > > > W2AJI
> > > >
> > > > > To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> > > > > From: ea7grd2003@
> > > > > Date: Wed, 4 Mar 2009 18:42:09 +0000
> > > > > Subject: [orion565] low power
> > > > >
> > > > > Hi.
> > > > > I recently bought a orion II, although I am learning to manage.
> > > > > The output power is low, only 50 w, measured with my Bird.
> > > > > I think the ALC will not let go 100 w, any solution?
> > > > > Thank you.
> > > > > Francisco EA7GRD
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4888. orion 11 on data modes

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-06 17:29:01 UTC
From: Dave
Topic: 4888 Message: 4888

Hi, to the group,my name here is dave ,and i get my orion 11 delivered on tuesday and am making up cables for data/fsk use.
I have been reading up on information about the orion but cannot seem to find any info as to whether when using the rear socket the microphone is automatically muted in transmit, can anyone advise please.
regards de
dave gm6jua

4889. Re: [orion565] orion 11 on data modes

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-06 17:32:34 UTC
From: Barry N1EU
Topic: 4888 Message: 4889

On Fri, Mar 6, 2009 at 12:29 PM, Dave <gm6jua@...> wrote:
> I have been reading up on information about the orion but cannot seem to
> find any info as to whether when using the rear socket the microphone is
> automatically muted in transmit, can anyone advise please.

No, it's not automatically muted.

73,
Barry N1EU

4890. Re: [orion565] orion 11 on data modes

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-06 18:06:34 UTC
From: Dick Williams
Topic: 4888 Message: 4890

Barry,

No it is not muted when a signal is sent to the AUX I/O input (such as in PSK31 when the sound card is routed to the AUX I/O jack).

However, all is not lost, in the SSB sub menu, you can select the audio source to BOTH, MIC, or AUX.

Dick K8ZTT

----- Original Message -----
From: Barry N1EU
To: orion565@yahoogroups.com
Sent: Friday, March 06, 2009 10:32 AM
Subject: Re: [orion565] orion 11 on data modes

On Fri, Mar 6, 2009 at 12:29 PM, Dave <gm6jua@...> wrote:
> I have been reading up on information about the orion but cannot seem to
> find any info as to whether when using the rear socket the microphone is
> automatically muted in transmit, can anyone advise please.

No, it's not automatically muted.

73,
Barry N1EU

[Non-text portions of this message have been removed]

4891. Re: [orion565] orion 11 on data modes

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-06 18:39:38 UTC
From: Peter Frenning [OZ1PIF]
Topic: 4888 Message: 4891

Dave skrev:
> Hi, to the group,my name here is dave ,and i get my orion 11 delivered on tuesday and am making up cables for data/fsk use.
> I have been reading up on information about the orion but cannot seem to find any info as to whether when using the rear socket the microphone is automatically muted in transmit, can anyone advise please.
> regards de
> dave gm6jua
>
It is not Dave, the FT-847 has a leg up on the Orion in this respect ;-)
Seriously: I have set up "User1" parameters to suit phone work, and
"User2" for Digital modes.
You select the Audio Source in the "SSB Menu"
This way I can easily shift all the settings to the most suiable values.

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

4892. Re: orion 11 on data modes

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-06 19:35:43 UTC
From: Dave
Topic: 4888 Message: 4892

A big thanks to all who replied to my enquiry.best regards
Dave

4893. RE: [orion565] Re: New owner, issues/problems/questions -- update

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-06 22:09:59 UTC
From: Larry Menzel
Topic: 4805 Message: 4893

I agree with Ed on this. We should have asked you this question long ago. Your Orion needs a DEDICATED power supply, directly wired to the radio. NEVER hook up the Orion to a power distribution bar or a power supply of less than 20A with plenty of overhead. I run my OII on a dedicated 35 amp supply.

I strongly recommend this before you send the radio back.

Let us know.

Larry, W0PR

Northfield, MN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Ed LeTersky
Sent: Thursday, February 26, 2009 5:23 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: New owner, issues/problems/questions -- update

Adam, the Orion appears to be very sensitive to the supply voltage, and has been known to exhibit some strange behavior if it is not adequate. Before sendint the unit back, I would recommend taking a look at the power connector. Make sure that the contacts are clean, and that the split male ends have not compressed, causing the connector to be loose. Also, pull the fuse, and clean the contact surfaces. There is an article on the Ten Tec Wiki at www.tentecwiki.org/doku.php?id=565pwrconn <http://www.tentecwiki.org/doku.php?id=565pwrconn> that you may want to read, entitled 'Orion 565 Intermittent Power Connector Fix.'

Ed, KB3RKM

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , Adam Wade <espresso_doppio@...> wrote:
>
>
> Update: Well, it was "fixed" for all of about 15 minutes. The behavior of the sub-receiver is increasingly erratic; sometimes it will work for a while after the rig has been shut off for at least a few hours, usually it won't. Once it worked fine in AM mode, but would only receive what sounded line a 1 khz roofing filter on a SSB signal which would disappear entirely when the sub receiver was tuned onto the correct dial frequency for the USB transmission!
>
> I've resigned myself to this being some sort of a hardware problem and the rig having to go back to Ten-Tec. Waiting now to get the green light to ship back to them. Guess it's back to using the TS-520S for a

while... ;) I will certainly miss the Orion while it is gone!
>
> ! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
> ! "I write down everything I want to remember. That way, instead !
> ! of spending a lot of time trying to remember what it is I wrote !
> ! down, I spend z time looking for the paper I wrote it down on." !
> ! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4894. RE: [orion565] Orion I and Acom 1000

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-06 22:16:43 UTC
From: Larry Menzel
Topic: 4860 Message: 4894

Hello, Franco, good evening.

Yes, use the second setup with two cables. Be sure to go use the outputs on the back for keying loop 1. Then go into the TX menu and turn Keying Loop 1 to ON. I set the keying loop delay for about 8%. Then go into the CW menu and play with the CW rise time setting. Set the radio to cw and listen while you transit. As you vary the rise time, you'll get better or worse response from the keying circuit regarding what you hear. Set it so that you don't hear any breaks in the receive audio as you're sending. A 3 or 4 usec seems to work well. You may have to change this setting depending on whether you're keying the radio directly with a paddle, or via a contesting software or WinKeyer.

This is a wonderful qsk PA and I know you'll enjoy it as much as I do.

Larry, W0PR

Northfield, MN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of i6qfz
Sent: Monday, March 02, 2009 3:02 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion I and Acom 1000

Hello everyone
I have a question about the connection between the Orion I and Acom 1000 PA.
More specifically if you have only used the connector Key In on the Acom and AMP KEY 1 on the Orion or if it is better to use the pair of connectors
TX OUT 1 / TX EN 1 on the Orion and Key In and Key Out on the Acom.
From what I read on the manuals of these devices would appear that the second solution is better for QSK.
Thanks
Franco I6QFZ

[Non-text portions of this message have been removed]

4895. RE: [orion565] orion 11 on data modes

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-06 22:30:54 UTC
From: Larry Menzel
Topic: 4888 Message: 4895

Dave,

It may not be the least expensive solution, but for my money and ease of use, purchase a microHAM microKEYER II for your digital needs. It's SO SLICK. Works first time, every time, built in sound card, all digital modes, works with all contesting software.absolutely great! The wiring kit that comes with the mKII is set up exactly for your Orion II and it's literally plug and play as soon as you get it hooked up. Start up their "Router" software, establish the virtual com ports, and it's as easy as that.

BTW, microHAM has THE BEST support of any ham radio accessory I have every used.

Usual disclaimer.no financial interest, only a satisfied customer.

Larry, W0PR

Northfield, MN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Dave
Sent: Friday, March 06, 2009 11:29 AM
To: orion565@yahoogroups.com
Subject: [orion565] orion 11 on data modes

Hi, to the group,my name here is dave ,and i get my orion 11 delivered on tuesday and am making up cables for data/fsk use.
I have been reading up on information about the orion but cannot seem to find any info as to whether when using the rear socket the microphone is automatically muted in transmit, can anyone advise please.
regards de
dave gm6jua

[Non-text portions of this message have been removed]

4896. RE: [orion565] orion 11 on data modes

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-06 22:34:16 UTC
From: Larry Menzel
Topic: 4888 Message: 4896

Dave, I strongly suggest that for RTTY you wire your OII for FSK rather than AFSK. The filtering is vastly better, and you can use the FSK mode.

In that case, muting the microphone will not be an issue.

Larry, W0PR

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Larry Menzel
Sent: Friday, March 06, 2009 4:31 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] orion 11 on data modes

Dave,

It may not be the least expensive solution, but for my money and ease of use, purchase a microHAM microKEYER II for your digital needs. It's SO SLICK. Works first time, every time, built in sound card, all digital modes, works with all contesting software.absolutely great! The wiring kit that comes with the mKII is set up exactly for your Orion II and it's literally plug and play as soon as you get it hooked up. Start up their "Router" software, establish the virtual com ports, and it's as easy as that.

BTW, microHAM has THE BEST support of any ham radio accessory I have every used.

Usual disclaimer.no financial interest, only a satisfied customer.

Larry, W0PR

Northfield, MN

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
Of Dave
Sent: Friday, March 06, 2009 11:29 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] orion 11 on data modes

Hi, to the group,my name here is dave ,and i get my orion 11 delivered on tuesday and am making up cables for data/fsk use.
I have been reading up on information about the orion but cannot seem to find any info as to whether when using the rear socket the microphone is automatically muted in transmit, can anyone advise please.
regards de
dave gm6jua

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4897. Re: [SPAM]RE: [orion565] Re: New owner, issues/problems/questions -- update

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-06 22:36:49 UTC
From: Dave Sublette
Topic: 4805 Message: 4897

I'm not trying to stir up anything here, but I will say that since buying my Orion II three years ago, I have run it from a five position West Mountain Radio Rig Runner buss system. The Rig Runner is powered by an MFJ-4245 Switching type supply and the same power supply also powers my K2 and some other stuff. I never turn the O2 on and off with it's own switch. The entire station is turned on and off by a master switch mounted in a standard electrical box. It is just a switch like you would find on a wall to turn on a light. The station is turned on at 6AM and off at 11pm everyday (almost). I have never had a problem. I don't have freeze ups, crashes squeals, or red screens. I love the operating system, 2.0..whatever, loaded a year or more ago.

Having said all of this, I will probably have jinxed my entire station and it will disappear in a cloud of smoke and flame the next time I turn it on... :-)) So far, I guess I have been lucky.

73,

Dave

Larry Menzel wrote:
>
>
> I agree with Ed on this. We should have asked you this question long ago.
> Your Orion needs a DEDICATED power supply, directly wired to the radio.
> NEVER hook up the Orion to a power distribution bar or a power supply of
> less than 20A with plenty of overhead. I run my OII on a dedicated 35 amp
> supply.
>
> I strongly recommend this before you send the radio back.
>
> Let us know.
>
> Larry, W0PR
>
> Northfield, MN
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of Ed LeTersky
> Sent: Thursday, February 26, 2009 5:23 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] Re: New owner, issues/problems/questions -- update
>

> Adam, the Orion appears to be very sensitive to the supply voltage, and
> has been known to exhibit some strange behavior if it is not adequate.
> Before sendint the unit back, I would recommend taking a look at the
> power connector. Make sure that the contacts are clean, and that the
> split male ends have not compressed, causing the connector to be loose.
> Also, pull the fuse, and clean the contact surfaces. There is an
> article on the Ten Tec Wiki at www.tentecwiki.org/doku.php?id=565pwrconn
> <http://www.tentecwiki.org/doku.php?id=565pwrconn
> <http://www.tentecwiki.org/doku.php?id=565pwrconn>> that you may want to
> read, entitled 'Orion 565 Intermittent Power Connector Fix.'
>
> Ed, KB3RKM
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com> , Adam
> Wade <espresso_doppio@...> wrote:
> >
> >
> > Update: Well, it was "fixed" for all of about 15 minutes. The
> behavior of the sub-receiver is increasingly erratic; sometimes it will
> work for a while after the rig has been shut off for at least a few
> hours, usually it won't. Once it worked fine in AM mode, but would only
> receive what sounded line a 1 khz roofing filter on a SSB signal which
> would disappear entirely when the sub receiver was tuned onto the
> correct dial frequency for the USB transmission!
> >
> > I've resigned myself to this being some sort of a hardware problem and
> the rig having to go back to Ten-Tec. Waiting now to get the green
> light to ship back to them. Guess it's back to using the TS-520S for a
> while... ;) I will certainly miss the Orion while it is gone!
> >
> > ! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
> > ! "I write down everything I want to remember. That way, instead !
> > ! of spending a lot of time trying to remember what it is I wrote !
> > ! down, I spend z time looking for the paper I wrote it down on." !
> > ! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com
> <http://www.allthings550.com> !
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
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>

4898. Re: [orion565] orion 11 on data modes

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-06 22:38:35 UTC
From: Barry N1EU
Topic: 4888 Message: 4898

On Fri, Mar 6, 2009 at 10:30 PM, Larry Menzel <retire@...> wrote:

> It may not be the least expensive solution, but for my money and ease of
> use, purchase a microHAM microKEYER II for your digital needs.

Right, but plugging a $400+ microKeyer into the rear socket instead of
Dave's homebrew cables isn't going to mute the mic automatically
either. Nothing wrong with homebrew cables . . . or slick commercial
devices either . . .

73,
Barry N1EU

4899. Re: [orion565] Re: New owner, issues/problems/questions -- update

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-06 22:40:44 UTC
From: N9ETD@AOL.COM
Topic: 4805 Message: 4899

I have had my Orion II on an Astron 70 amp power supply since new which also powers my Yaesu FT-847 that I use for VHF/ UHF weak signal work with no issues.. I do however have a couple of toroids clipped around the power leads, and have them as short as possible like TEN TEC suggests...

I think this post was originally about an Orion I tho, and from what I know those are more prone to interfence from RF and the like through the power and audio inputs (4 mire mic plug on front panel)..

73, Craig N9ETD
**********A Good Credit Score is 700 or Above. See yours in just 2 easy steps!
(http://pr.atwola.com/promoclk/100126575x1219957551x1201325337/aol?redir=http:%2F%2Fwww.freecreditreport.com%2Fpm%2Fdefault.aspx%3Fsc%3D668072%26hmpgID%3D62%26bcd%3DfebemailfooterNO62)

[Non-text portions of this message have been removed]

4900. Re: [orion565] Orion I and Acom 1000

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-06 22:42:41 UTC
From: Franco Cazzaniga
Topic: 4860 Message: 4900

Hello Larry
many thanks for the response.
Please , when i use this setup (two cables) for qsk cw is the same in ssb ?
73 Franco I6QFZ
----- Original Message -----
From: Larry Menzel
To: orion565@yahoogroups.com
Sent: Friday, March 06, 2009 11:16 PM
Subject: RE: [orion565] Orion I and Acom 1000

Hello, Franco, good evening.

Yes, use the second setup with two cables. Be sure to go use the outputs on the back for keying loop 1. Then go into the TX menu and turn Keying Loop 1 to ON. I set the keying loop delay for about 8%. Then go into the CW menu and play with the CW rise time setting. Set the radio to cw and listen while you transit. As you vary the rise time, you'll get better or worse response from the keying circuit regarding what you hear. Set it so that you don't hear any breaks in the receive audio as you're sending. A 3 or 4 usec seems to work well. You may have to change this setting depending on whether you're keying the radio directly with a paddle, or via a contesting software or WinKeyer.

This is a wonderful qsk PA and I know you'll enjoy it as much as I do.

Larry, W0PR

Northfield, MN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of i6qfz
Sent: Monday, March 02, 2009 3:02 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion I and Acom 1000

Hello everyone
I have a question about the connection between the Orion I and Acom 1000 PA.
More specifically if you have only used the connector Key In on the Acom and AMP KEY 1 on the Orion or if it is better to use the pair of connectors
TX OUT 1 / TX EN 1 on the Orion and Key In and Key Out on the Acom.
From what I read on the manuals of these devices would appear that the second solution is better for QSK.
Thanks
Franco I6QFZ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4902. Re: [orion565] Orion I and Acom 1000

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-06 22:45:25 UTC
From: Barry N1EU
Topic: 4860 Message: 4902

On Fri, Mar 6, 2009 at 10:16 PM, Larry Menzel <retire@...> wrote:
> Hello, Franco, good evening.
>
> Yes, use the second setup with two cables. Be sure to go use the outputs on
> the back for keying loop 1. Then go into the TX menu and turn Keying Loop 1
> to ON. I set the keying loop delay for about 8%. Then go into the CW menu
> and play with the CW rise time setting. Set the radio to cw and listen
> while you transit. As you vary the rise time, you'll get better or worse
> response from the keying circuit regarding what you hear. Set it so that
> you don't hear any breaks in the receive audio as you're sending. A 3 or 4
> usec seems to work well.

Please DON'T set your risetime to 3-4usec. If you search through the
TenTec reflector archives, you'll find long discussion on this issue
and a lot of on-air testing done seeking to minimize keyclicks. The
actual risetime is about half of the indicated value. You should set
it to 7-8 usec to avoid generating keyclicks.

73,
Barry N1EU

4904. RE: [SPAM]RE: [orion565] Re: New owner, issues/problems/questions -- update

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-07 01:05:37 UTC
From: Duane Calvin
Topic: 4805 Message: 4904

That's news to me. I run my Orion I and all the other 12V shack gear, including an IC-706 for VHF/UHF, PowerMaster meter, keyers, DigiKeyer, modem, and Alinco packet 2m radio all off of a homebrew ferromagnetic 50A power supply and have never had a single problem with it. I route the power through a WestMountain power breakout box with Anderson PowerPole connectors, not that this is critical.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Dave Sublette
Sent: Friday, March 06, 2009 4:37 PM
To: orion565@yahoogroups.com
Subject: Re: [SPAM]RE: [orion565] Re: New owner, issues/problems/questions -- update

I'm not trying to stir up anything here, but I will say that since buying my Orion II three years ago, I have run it from a five position West Mountain Radio Rig Runner buss system. The Rig Runner is powered by an MFJ-4245 Switching type supply and the same power supply also powers my K2 and some other stuff. I never turn the O2 on and off with it's own switch. The entire station is turned on and off by a master switch mounted in a standard electrical box. It is just a switch like you would find on a wall to turn on a light. The station is turned on at 6AM and off at 11pm everyday (almost). I have never had a problem. I don't have freeze ups, crashes squeals, or red screens. I love the operating system, 2.0..whatever, loaded a year or more ago.

Having said all of this, I will probably have jinxed my entire station and it will disappear in a cloud of smoke and flame the next time I turn it on... :-)) So far, I guess I have been lucky.

73,

Dave

Larry Menzel wrote:
>
>
> I agree with Ed on this. We should have asked you this question long ago.

> Your Orion needs a DEDICATED power supply, directly wired to the radio.
> NEVER hook up the Orion to a power distribution bar or a power supply of
> less than 20A with plenty of overhead. I run my OII on a dedicated 35 amp
> supply.
>
> I strongly recommend this before you send the radio back.
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> Let us know.
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> Larry, W0PR
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> Northfield, MN
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> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> Behalf
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> Sent: Thursday, February 26, 2009 5:23 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] Re: New owner, issues/problems/questions -- update
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> Adam, the Orion appears to be very sensitive to the supply voltage, and
> has been known to exhibit some strange behavior if it is not adequate.
> Before sendint the unit back, I would recommend taking a look at the
> power connector. Make sure that the contacts are clean, and that the
> split male ends have not compressed, causing the connector to be loose.
> Also, pull the fuse, and clean the contact surfaces. There is an
> article on the Ten Tec Wiki at www.tentecwiki.org/doku.php?id=565pwrconn
> <http://www.tentecwiki.org/doku.php?id=565pwrconn
> <http://www.tentecwiki.org/doku.php?id=565pwrconn>> that you may want to
> read, entitled 'Orion 565 Intermittent Power Connector Fix.'
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> Ed, KB3RKM
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> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com> , Adam
> Wade <espresso_doppio@...> wrote:
> >
> >
> > Update: Well, it was "fixed" for all of about 15 minutes. The
> behavior of the sub-receiver is increasingly erratic; sometimes it will
> work for a while after the rig has been shut off for at least a few
> hours, usually it won't. Once it worked fine in AM mode, but would only
> receive what sounded line a 1 khz roofing filter on a SSB signal which
> would disappear entirely when the sub receiver was tuned onto the
> correct dial frequency for the USB transmission!
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> the rig having to go back to Ten-Tec. Waiting now to get the green
> light to ship back to them. Guess it's back to using the TS-520S for a

> while... ;) I will certainly miss the Orion while it is gone!
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> > ! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
> > ! "I write down everything I want to remember. That way, instead !
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> > ! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com
> <http://www.allthings550.com> !
> >
>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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Yahoo! Groups Links

4905. Line out level Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-07 04:16:59 UTC
From: Ross
Topic: 4905 Message: 4905

The line out level can be adjusted in the "other" menu, but can it also be increased further as I need a bit more ouput
from the the High output.

On the K3 the line out can be increased and decreased, apart from the fixed settings on the Orion II is there another way of increasing
the Line Out output??

Regards
Ross
ZL1WN

[Non-text portions of this message have been removed]

4906. Re: [orion565] Line out level Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-07 04:26:20 UTC
From: Adam Wade
Topic: 4905 Message: 4906

--- On Fri, 3/6/09, Ross <rbiggar@...> wrote:
From: Ross <rbiggar@...>
Subject: [orion565] Line out level Orion II
To: Orion565@yahoogroups.com
Date: Friday, March 6, 2009, 8:16 PM

> The line out level can be adjusted in the "other"
> menu, but can it also be increased further as I
> need a bit more ouput from the the High output.

> On the K3 the line out can be increased and
> decreased, apart from the fixed settings on the
> Orion II is there another way of increasing
> the Line Out output??

I think you are probably looking for an answer that consists of adjusting something inside the O2 that is variable, but the obvious answer (given my background as a trained audio engineer) would be "add a line level amplifier". You can build a very simple low-gain unit for a pittance, or buy a commercially-made one for a little more.

Is there any chance there might be an impedance mismatch between the rig's line out hardware and whatever you're plugging it into? Something like an isolation transformer, but with a non 1:1 ratio, might be great answer here, as it would isolate the rig from whatever you're plugging it into, AND it should also raise the level of signal getting to your connected device (computer sound card?)

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

4907. Re: [orion565] Re: What are you using for rig control?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-07 07:03:07 UTC
From: Adam Wade
Topic: 4844 Message: 4907

--- On Sun, 3/1/09, Martin Ewing <martin.s.ewing@...> wrote:
From: Martin Ewing <martin.s.ewing@...>
Subject: Re: [orion565] Re: What are you using for rig control?
To: orion565@yahoogroups.com
Date: Sunday, March 1, 2009, 12:51 PM

> The Orion 565 is now pretty "mature", IMO. Updates
> will address some remaining bugs and polish some
> features, but won't revolutionize the radio.

I didn't expect that it would, even aside from the fact that we're talking about two very different things now. ;)

> I wouldn't expect a v. 3 firmware, for example.
> (But I'd like to be proved wrong.)

Me too. The 565 still has some kinks in the programming, but I am betting that with the cost of hiring on extra programmers and updating computers, it's not likely they would spend that much money on something that, at the end of the day, they give away. This is one of the reasons I am hoping they will release the source code, although if their current rigs are more evolutionary than revolutionary, that alone might be enough to prevent this from happening, as they'd essentially be giving all of their competitors their biggest and best secrets (many of which are probably still in use in their more modern rigs) for their current models. I predict that they won't ever give anyone source code while any part of it is in current models, or could hint strongly toward their current programming tricks and practices.

> Personally, I would be glad to pay a small annual
> fee to keep the software developer well motivated to
> maintain the software and fix bugs. For example, to
> keep up with new PC operating systems, etc. There is such a
> thing as bit rot.

Well, at $30 a year, it only takes 2 years' worth of payments to nearly equal the replacement cost of the software itself. And heck, if he doesn't make you pay consistently (without which you end up losing your whole policy), then it makes more sense to say no and then just buy it as an add-on in years where there has been some significant update that you want.

As to bit rot... Well, I have plenty of legacy software here and run it over the freeware program from Microsoft called "Virtual PC". Easy to learn, you can make your machine emulate an earlier machine with an earlier OS. The program uses all your I/O devices and maps them all, so if the Virtual OS beeps at you, even if the window is not in focus, it comes out your PC's speaker(s).

> You are right that the serial port control of
> the 565 is not fast enough to fully emulate

> the "look and feel" of the front panel. It was
> not really designed for fast interactive control.

And I guess the idea of rig control was still pretty new when the Orion came out, yeah? A shame, this radio could be truly great to operate remotely, or together with digi-mode software like HRD and DM780.

> In fact, there are several front panel controls
> that cannot be overridden from the serial port
> at all (band stacking regs, auto antenna
> selection, some audio settings, etc.), and
> that's a nuisance.

A real shame, actually. How much extra could it have cost to increase the polling rate and helps with packet collision avoidance?

> The N4PY software does a surprisingly good job,
> however.

I like what I have seen so far. I especially like the host of additional behaviors from the software that cannot be easily replicated on the radio itself.

Tnx es 73!

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

73 Martin AA6E

[Non-text portions of this message have been removed]

4908. Re: [orion565] Re: What are you using for rig control?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-07 07:08:05 UTC
From: Adam Wade
Topic: 4844 Message: 4908

--- On Sun, 3/1/09, catfishtwo@... <catfishtwo@...> wrote:
From: catfishtwo@... <catfishtwo@...>
Subject: Re: [orion565] Re: What are you using for rig control?
To: orion565@yahoogroups.com
Date: Sunday, March 1, 2009, 1:13 PM

> I think N4py will send you a 30 day copy of his software to
> try out

10 day, but yes, he will. Thanks for the suggestion!

> where do you live, perhaps someone close can show you the ins
> and outs of DXlabs.. tell us your town and see who steps up. :)

:D I am right near Eureka, CA. I do get down to the SF Bay area from time to time, but not professionally

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
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4909. RE: [orion565] Re: New owner, issues/problems/questions -- update

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-07 13:11:45 UTC
From: Adam Wade
Topic: 4805 Message: 4909

--- On Fri, 3/6/09, Larry Menzel <retire@...> wrote:
From: Larry Menzel <retire@...>
Subject: RE: [orion565] Re: New owner, issues/problems/questions -- update
To: orion565@yahoogroups.com
Date: Friday, March 6, 2009, 2:09 PM

> I agree with Ed on this. We should have asked you this
> question long ago. Your Orion needs a DEDICATED power
> supply, directly wired to the radio. NEVER hook up the
> Orion to a power distribution bar or a power supply of
> less than 20A with plenty of overhead. I run my OII on
> a dedicated 35 amp supply.

I have a commercial power supply conservatively rated at 35 amps continuous, but rated for 50 amps peak. I've watched the supply voltage with a multimeter, and it does not vary at all, not even a flicker, on key down with the Orion in CW mode with full power out.

I'd also be incredibly surprised if the radio was entirely flawless in its performance and showed *none* of the other signs of lack of sufficient supply power, but had the sole problem in the sub receiver being caused by an insufficient power supply. Occam's Razor says "does not compute". :D

> I strongly recommend this before you send the radio back.

Did my post from last week not make it to the list? I already fixed the problem. It was a bad ground side connection on one of the IF coax connectors on the sub receiver board. I found the one that wiggled too much, made the connection more solid, and the problem went away and thus far has not returned.

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
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! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

4910. Re: [orion565] Re: New owner, issues/problems/questions -- update

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-07 13:15:33 UTC
From: Adam Wade
Topic: 4805 Message: 4910

--- On Fri, 3/6/09, N9ETD@... <N9ETD@...> wrote:
From: N9ETD@... <N9ETD@...>
Subject: Re: [orion565] Re: New owner, issues/problems/questions -- update
To: orion565@yahoogroups.com
Date: Friday, March 6, 2009, 2:40 PM

> I think this post was originally about an Orion I tho, and from
> what I know those are more prone to interfence from RF and the
> like through the power and audio inputs (4 mire mic plug on
> front panel)..

No RF in my audio anywhere, even when running my 600W PA at full clip. Station is well grounded, coax is heavily choked at the antenna feed point, and the antenna was placed specifically to make more of the RF end up in foreign countries rather than my or my neighbors' living room. :)

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
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4911. Orion 565 (model 1) contrast issue & fix

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-08 09:48:08 UTC
From: pa1ap
Topic: 4911 Message: 4911

Greetings,

I have raised the question on a contrast problem I had with my orion.

The problem:
The difference on lcd contrast between cold start and warm status of orion was to large to be acceptable. I also saw that changing contrast to either minimum or maximum through the menu showed either upper left corner or bottom right corner to be "dirty". Pictures of this are uploaded to the photo section. The challenge was that after about 30-45 minutes i had to adjust the contrast to keep a sharp and clean lcd contrast, which becomes annoying after a while.

The solution (in my case);
Through great help of Mike (W8TRN) I learned that the dc-dc converter board (A9) might have some weak capacitors (aging or something like that) and after a trip to the local electronic shop I replace them. Just to make sure I replaced the following capacitors (c1 & c2, c9, c6, c7).

The result:
There is minimal difference now between cold and warm status of the orion. also when turning contrast to either minimum or maximum the lcd screen isnt showing the upper left or bottom right corner issue anymore. Minimum is now a solid dark and maximum is now a solid white. I believe this is how it should be.

The weird thing;
I was curious what was wrong and prior to the capacitor replacement I connected the scope and multimeter to the dc-dc board to see if I could actually measure the problem.... well... there is little change but not shocking much... The voltages went up a little from cold start to warm condition (1 hour later) but we are talking about 50mV (dc) or so. The scope on the other hand showed that at cold start there was a superimposed AC component (many spikes) at a level of around 50-90 mV... Again, not to shocking...
Then after replacing the capacitors I repeated the measurements again and surely the multimeter didn't show any difference but when connected the scope I could clearly see the superimposed spikes where greatly reduced. The are not gone but certainly a lot less. The weird thing is that we are talking about up to 100mV spikes (at least thats what my scope has shown) and I can see a significant improvement with regards to contrast and stability. (I have uploaded pictures into photo section)

perhaps the -21 Volts goes into another dc-dc converter to energize the backlight. and perhaps this converted is sensitive to those spikes. I really dont know. anybody suggestions?

Hope this helps and all credits for the solution to Mike of course!

best regards,
Onno, pa1ap

4912. Re: [orion565] Orion 565 (model 1) contrast issue & fix

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-09 02:10:55 UTC
From: Adam Wade
Topic: 4911 Message: 4912

--- On Sun, 3/8/09, pa1ap <pa1ap@...> wrote:
From: pa1ap <pa1ap@...>
Subject: [orion565] Orion 565 (model 1) contrast issue & fix
To: orion565@yahoogroups.com
Date: Sunday, March 8, 2009, 1:48 AM

> Through great help of Mike (W8TRN) I learned that the dc-dc
> converter board (A9) might have some weak capacitors (aging or
> something like that) and after a trip to the local electronic
> shop I replace them. Just to make sure I replaced the following
> capacitors (c1 & c2, c9, c6, c7).

Did you replace them with components with the same rating as the stock ones? I'd be quite interested to know the spec of the capacitors you ended up using, and if you have any photos you took of the process, befpre/after, calling out the specific caps you replaced in a photo, etc., I'm sure I'm not the only one who would love to see them. ;)

Thanks very much for sharing this with us. I have been living with the screen's behavior and working around it for the most part, but it sure would be nice to end up with the results that you got. :D And any excuse to open up expensive electronics and poke around inside... ;)

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

4913. Re: Orion 565 (model 1) contrast issue & fix

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-09 09:35:59 UTC
From: pa1ap
Topic: 4911 Message: 4913

Greetings,

I replaced them with the same type of capacitors with same rating. I did not make pictures of the replacement process but in summary;

0) disconnect the rig from power, make sure there is no way for the unit to start.....
1) open the rig, bottom and top cover
2) turn rig upside down, bottom to the top
3) dc-dc converter board is at right corner, near the s-meter.. it is the smallest pcb board available.
4) disconnect the backlight cable (small white cable connector)
5) remove the pcb board by removing the four screws (philips type)
6) carefully slide the pcb board (horizontal) to disconnect from the "backplane" connector to the left
7) take your soldering iron and start replacing the capacitors
8) put all back and see if that fixed the challenge as found.

No warranty provided by the way.... It worked for me but that doesn't mean it will work for you. also take into account the polarity of the capacitors, especially c1 and c2 since they connect different then one would expect.

It would be great if someone could capture the voltages and hash/spikes using a scope as well to compare notes. I have uploaded the pictures to the photo section.

Also I got great help from Mike who figured this out and was very kind to share his experience with me.

Hope this helps, Best regards, Onno pa1ap

--- In orion565@...m, Adam Wade <espresso_doppio@...> wrote:
>
>
> --- On Sun, 3/8/09, pa1ap <pa1ap@...> wrote:
> From: pa1ap <pa1ap@...>
> Subject: [orion565] Orion 565 (model 1) contrast issue & fix
> To: orion565@yahoogroups.com
> Date: Sunday, March 8, 2009, 1:48 AM
>
> > Through great help of Mike (W8TRN) I learned that the dc-dc
> > converter board (A9) might have some weak capacitors (aging or
> > something like that) and after a trip to the local electronic
> > shop I replace them. Just to make sure I replaced the following
> > capacitors (c1 & c2, c9, c6, c7).
>
> Did you replace them with components with the same rating as the stock ones? I'd be quite interested to know the spec of the capacitors you ended up using, and if you have any photos you took of the process, befpre/after, calling out the specific caps you replaced in

a photo, etc., I'm sure I'm not the only one who would love to see them. ;)
>
> Thanks very much for sharing this with us. I have been living with the screen's behavior and working around it for the most part, but it sure would be nice to end up with the results that you got. :D And any excuse to open up expensive electronics and poke around inside... ;)
>
> ! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
> ! "I write down everything I want to remember. That way, instead !
> ! of spending a lot of time trying to remember what it is I wrote !
> ! down, I spend z time looking for the paper I wrote it down on." !
> ! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !
>

4914. new firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-09 18:48:05 UTC
From: Andrew B. Steen
Topic: 1581 Message: 4914

Greetings to all. My name is Andrew, and the call is K6STN. I have been running the Orion II for about 9 months now, and just upgraded the firmware to 2.041XL. It seems to have improved a couple of things such as the AGC function. NR seems to also work well now also, without the distortion previously noticed. I'm curious as to who else has downloaded the new firmware, and how they like it. One thing I noticed is the spectrum display will on occasion turn red and appear to have the waterfall superimpose over it. I have to turn off the radio to clear that. Any comments?

73, Andrew, K6STN

[Non-text portions of this message have been removed]

4915. New Orion II owner.

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-09 19:34:04 UTC
From: w3qj37
Topic: 4915 Message: 4915

Greetings,

I'm grateful to finally have the Orion II. This is a fine radio. Straight forward and very easy to use. The interaction of RF gain and NR is striking, among other things. NR works well for me.
This Orion II is s/n 05C10986, went into service 07/14/06 w/ v2.039D fw. I'm very happy with the performance. Are there any users out there that had this version firmware in there Orion II, and recently updated to the new fw release? If so, besides the shortcomings many have identified with the recent fw release, is it worth updating?

Thanks.

Terry
W3QJ

4916. Re: [SPAM][orion565] New Orion II owner.

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-09 20:18:55 UTC
From: Dave Sublette
Topic: 4915 Message: 4916

If you will do some looking through the archives of this reflector for the past three weeks or so, you find extensive discussion of the new firmware.

K4TO

w3qj37 wrote:
>
>
> Greetings,
>
> I'm grateful to finally have the Orion II. This is a fine radio.
> Straight forward and very easy to use. The interaction of RF gain and NR
> is striking, among other things. NR works well for me.
> This Orion II is s/n 05C10986, went into service 07/14/06 w/ v2.039D fw.
> I'm very happy with the performance. Are there any users out there that
> had this version firmware in there Orion II, and recently updated to the
> new fw release? If so, besides the shortcomings many have identified
> with the recent fw release, is it worth updating?
>
> Thanks.
>
> Terry
> W3QJ
>
>

4917. Re: [SPAM][orion565] new firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-09 20:19:09 UTC
From: Dave Sublette
Topic: 1581 Message: 4917

If you will do some looking through the archives of this reflector for the past three weeks or so, you find extensive discussion of the new firmware.

K4TO

Andrew B. Steen wrote:
>
>
> Greetings to all. My name is Andrew, and the call is K6STN. I have been
> running the Orion II for about 9 months now, and just upgraded the firmware
> to 2.041XL. It seems to have improved a couple of things such as the AGC
> function. NR seems to also work well now also, without the distortion
> previously noticed. I'm curious as to who else has downloaded the new
> firmware, and how they like it. One thing I noticed is the spectrum display
> will on occasion turn red and appear to have the waterfall superimpose over
> it. I have to turn off the radio to clear that. Any comments?
>
> 73, Andrew, K6STN
>
> [Non-text portions of this message have been removed]
>
>

4918. Re: [SPAM][orion565] New Orion II owner.

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-09 20:38:35 UTC
From: w3qj37
Topic: 4915 Message: 4918

Does that bother you so much that I ask?

>.............is it worth updating?>

That was my question.

The answer YES, or NO will suffice. That kind of answer can't be too difficult.

Without further bemoaning, or belaboring, in acceptance or exchange thereto, many thanks in advance to anyone willing to provide that simple answer.

Terry
W3QJ

--- In orion565@yahoogroups.com, Dave Sublette <k4to@...> wrote:
>
> If you will do some looking through the archives of this reflector for
> the past three weeks or so, you find extensive discussion of the new
> firmware.
>
> K4TO
>
> w3qj37 wrote:
> >
> >
> > Greetings,
> >
> > I'm grateful to finally have the Orion II. This is a fine radio.
> > Straight forward and very easy to use. The interaction of RF gain and NR
> > is striking, among other things. NR works well for me.
> > This Orion II is s/n 05C10986, went into service 07/14/06 w/ v2.039D fw.
> > I'm very happy with the performance. Are there any users out there that
> > had this version firmware in there Orion II, and recently updated to the
> > new fw release? If so, besides the shortcomings many have identified
> > with the recent fw release, is it worth updating?
> >
> > Thanks.
> >
> > Terry
> > W3QJ
> >
> >
>

4919. RE: [SPAM][orion565] new firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-09 20:46:39 UTC
From: Andrew B. Steen
Topic: 1581 Message: 4919

Thanks Dave. I did see a couple of bug references there. Info is still pretty spotty, but I am sure there will be more coming as time goes on.

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Dave Sublette
Sent: Monday, March 09, 2009 1:19 PM
To: orion565@yahoogroups.com
Subject: Re: [SPAM][orion565] new firmware

If you will do some looking through the archives of this reflector for the past three weeks or so, you find extensive discussion of the new firmware.

K4TO

Andrew B. Steen wrote:
>
>
> Greetings to all. My name is Andrew, and the call is K6STN. I have been
> running the Orion II for about 9 months now, and just upgraded the firmware
> to 2.041XL. It seems to have improved a couple of things such as the AGC
> function. NR seems to also work well now also, without the distortion
> previously noticed. I'm curious as to who else has downloaded the new
> firmware, and how they like it. One thing I noticed is the spectrum display
> will on occasion turn red and appear to have the waterfall superimpose over
> it. I have to turn off the radio to clear that. Any comments?
>
> 73, Andrew, K6STN
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

4920. Re: [SPAM][orion565] New Orion II owner.

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-09 21:26:22 UTC
From: Billy Cox
Topic: 4915 Message: 4920

Whoa Terry, you are asking a question that requires a bit
more than a simple YES or NO ... it's very subjective as
to if the new version offers enough to overcome the few
bugs that have been reported.

I like the new ability to set the power/etc by band. So that
would be a YES.

I DO NOT like the problem now that the VOX will hang on XMIT
and you have to reset it by cycling the switch. So that would
be a NO.

Ditto on the RTTY AGC problem which I can replicate, so NO.

The "red screen of sweep death" is not a big problem to me, I
only noted it once during the ARRL DX contest this weekend, so
that one is neither a YES or NO so far.

Dave, K4TO is a pretty sharp guy ... not a smart*** by any means,
nor am I trying to be one, but your question is very subjective!

For now, I am staying with the latest firmware and fully realize
that this is a BETA version and will wait a bit before I go back
to the previous revision if the BETA is not replaced shortly.

My suggestion to everyone who is using the BETA version, is to be
sure and share your results with Ten-Tec at ditsnbits@...

Terry, load the new firmware, and tell us what YOU like/dislike.

73 de Billy, AA4NU

-----Original Message-----
>From: w3qj37 <tlp1@...>
>Sent: Mar 9, 2009 4:38 PM
>To: orion565@yahoogroups.com
>Subject: Re: [SPAM][orion565] New Orion II owner.
>
>Does that bother you so much that I ask?
>
>>.............is it worth updating?>
>
>That was my question.
>
>The answer YES, or NO will suffice. That kind of answer can't be too difficult.
>
>Without further bemoaning, or belaboring, in acceptance or exchange thereto, many thanks

in advance to anyone willing to provide that simple answer.
>
>Terry
>W3QJ
>
>
>
>--- In orion565@yahoogroups.com, Dave Sublette <k4to@...> wrote:
>>
>> If you will do some looking through the archives of this reflector for
>> the past three weeks or so, you find extensive discussion of the new
>> firmware.
>>
>> K4TO
>>
>> w3qj37 wrote:
>> >
>> >
>> > Greetings,
>> >
>> > I'm grateful to finally have the Orion II. This is a fine radio.
>> > Straight forward and very easy to use. The interaction of RF gain and NR
>> > is striking, among other things. NR works well for me.
>> > This Orion II is s/n 05C10986, went into service 07/14/06 w/ v2.039D fw.
>> > I'm very happy with the performance. Are there any users out there that
>> > had this version firmware in there Orion II, and recently updated to the
>> > new fw release? If so, besides the shortcomings many have identified
>> > with the recent fw release, is it worth updating?
>> >
>> > Thanks.
>> >
>> > Terry
>> > W3QJ

4921. Re: [SPAM][orion565] New Orion II owner.

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-09 22:28:35 UTC
From: w3qj37
Topic: 4915 Message: 4921

THX Billy.

So in other words.............

"The CONS may outweigh the PROS, but it depends on how you use the Orion II. The only way to know for sure is to try it for yourself."

That's all you had to say.

Some folks feel uncomfortable when forced to commit to an answer. That's okay.

But yes, loading the new FW and trying out for myself is the only way to find out for sure.

It's still a great radio. I'm sure Ten Tec will get things worked out. I like this Orion II much better than the K3 I traded for it.

Thanks for the help Billy.

Terry
W3QJ

--- In orion565@yahoogroups.com, Billy Cox <aa4nu@...> wrote:
>
> Whoa Terry, you are asking a question that requires a bit
> more than a simple YES or NO ... it's very subjective as
> to if the new version offers enough to overcome the few
> bugs that have been reported.
>
> I like the new ability to set the power/etc by band. So that
> would be a YES.
>
> I DO NOT like the problem now that the VOX will hang on XMIT
> and you have to reset it by cycling the switch. So that would
> be a NO.
>
> Ditto on the RTTY AGC problem which I can replicate, so NO.
>
> The "red screen of sweep death" is not a big problem to me, I
> only noted it once during the ARRL DX contest this weekend, so
> that one is neither a YES or NO so far.
>
> Dave, K4TO is a pretty sharp guy ... not a smart*** by any means,
> nor am I trying to be one, but your question is very subjective!
>
> For now, I am staying with the latest firmware and fully realize
> that this is a BETA version and will wait a bit before I go back
> to the previous revision if the BETA is not replaced shortly.

>
> My suggestion to everyone who is using the BETA version, is to be
> sure and share your results with Ten-Tec at ditsnbits@...
>
> Terry, load the new firmware, and tell us what YOU like/dislike.
>
> 73 de Billy, AA4NU
>
> -----Original Message-----
> >From: w3qj37 <tlp1@...>
> >Sent: Mar 9, 2009 4:38 PM
> >To: orion565@yahoogroups.com
> >Subject: Re: [SPAM][orion565] New Orion II owner.
> >
> >Does that bother you so much that I ask?
> >
> >>.....is it worth updating?>
> >
> >That was my question.
> >
> >The answer YES, or NO will suffice. That kind of answer can't be too difficult.
> >
> >Without further bemoaning, or belaboring, in acceptance or exchange thereto, many thanks
in advance to anyone willing to provide that simple answer.
> >
> >Terry
> >W3QJ
> >
> >
> >
> >--- In orion565@yahoogroups.com, Dave Sublette <k4to@> wrote:
> >>
> >> If you will do some looking through the archives of this reflector for
> >> the past three weeks or so, you find extensive discussion of the new
> >> firmware.
> >>
> >> K4TO
> >>
> >> w3qj37 wrote:
> >> >
> >> >
> >> > Greetings,
> >> >
> >> > I'm grateful to finally have the Orion II. This is a fine radio.
> >> > Straight forward and very easy to use. The interaction of RF gain and NR
> >> > is striking, among other things. NR works well for me.
> >> > This Orion II is s/n 05C10986, went into service 07/14/06 w/ v2.039D fw.
> >> > I'm very happy with the performance. Are there any users out there that
> >> > had this version firmware in there Orion II, and recently updated to the
> >> > new fw release? If so, besides the shortcomings many have identified

> >> > with the recent fw release, is it worth updating?
> >> >
> >> > Thanks.
> >> >
> >> > Terry
> >> > W3QJ
>

4922. Re: [SPAM][orion565] New Orion II owner.

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-09 22:34:42 UTC
From: Fotis SV8ING
Topic: 4915 Message: 4922

Hi Terry
this is a beta version meaning that you will face bugs ,problems and possible crashes.
If you haven't got a problem with that,then yes try it.
If you want a? version without problems and more stable,then stay to 2.039.

My choice is to stay with 2.041.I always like to experiment with new FW updates.
I like much the new sweep and the 2 AGC's.

73

Fotis SV8ING

GREECE

--- ???? ????., 09/03/09, ?/? w3qj37 <tlp1@vzavenue.net> ??????:

???: w3qj37 <tlp1@...>
????: Re: [SPAM][orion565] New Orion II owner.
????: orion565@yahoogroups.com
??????????: ???????, 9 ??????? 2009, 20:38

Does that bother you so much that I ask?

>.......... ..is it worth updating?>

That was my question.

The answer YES, or NO will suffice. That kind of answer can't be too difficult.

Without further bemoaning, or belaboring, in acceptance or exchange thereto, many thanks in advance to anyone willing to provide that simple answer.

Terry

W3QJ

--- In orion565@yahoogroup s.com, Dave Sublette <k4to@...> wrote:

>

> If you will do some looking through the archives of this reflector for

> the past three weeks or so, you find extensive discussion of the new

> firmware.

>

> K4TO

>

> w3qj37 wrote:

> >

> >

> > Greetings,

> >

> > I'm grateful to finally have the Orion II. This is a fine radio.

> > Straight forward and very easy to use. The interaction of RF gain and NR

> > is striking, among other things. NR works well for me.

> > This Orion II is s/n 05C10986, went into service 07/14/06 w/ v2.039D fw.

> > I'm very happy with the performance. Are there any users out there that

> > had this version firmware in there Orion II, and recently updated to the

> > new fw release? If so, besides the shortcomings many have identified

> > with the recent fw release, is it worth updating?

> >

> > Thanks.

> >

> > Terry

> > W3QJ

> >

> >

>

????????????? Yahoo!;
?????????? ?? ?????????? ???????? (spam); ?? Yahoo! Mail
???????? ??? ???????? ?????? ????????? ???? ??? ???????????
????????? http://login.yahoo.com/config/mail?.intl=gr

[Non-text portions of this message have been removed]

4923. RE: [orion565] New Orion II owner.

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-10 02:15:40 UTC
From: Andrew B. Steen
Topic: 4915 Message: 4923

Hello Terry.

I got the same "canned" response you did reference your questions on the new beta release. Not much help there, just a pass off to the previous few remarks on the new fw. While I don't consider the replies "smart ***" I thought they were a little condescending. I thought the forum was all about a helping hand, not a redirect. Maybe we know as much as they do now. If I figure out anything new on this, I will be more than happy to share my findings with you.

73, Andrew K6STN

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of w3qj37
Sent: Monday, March 09, 2009 12:34 PM
To: orion565@yahoogroups.com
Subject: [orion565] New Orion II owner.

Greetings,

I'm grateful to finally have the Orion II. This is a fine radio. Straight forward and very easy to use. The interaction of RF gain and NR is striking, among other things. NR works well for me.
This Orion II is s/n 05C10986, went into service 07/14/06 w/ v2.039D fw. I'm very happy with the performance. Are there any users out there that had this version firmware in there Orion II, and recently updated to the new fw release? If so, besides the shortcomings many have identified with the recent fw release, is it worth updating?

Thanks.

Terry
W3QJ

[Non-text portions of this message have been removed]

4924. Re: New Orion II owner.

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-10 02:56:37 UTC
From: w3qj37
Topic: 4915 Message: 4924

No worries Andy.

There is plenty of information here, and I'm sure lots of fine people here as well. All the responses helped in some aspect.

It's all good.

Hopefully Ten Tec will become active again with the firmware improvements for 565/566 models.

I'm looking forward to good times with my 566.

The only other radio I was as happy with when I bought it was the IC7700.

And with that, I better conclude my replies here, and let better things here move up, and move on.

Thanks to those that replied. Every little bit helps.

Terry
W3QJ

--- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@...> wrote:
>
> Hello Terry.
>
> I got the same "canned" response you did reference your questions on the new
> beta release. Not much help there, just a pass off to the previous few
> remarks on the new fw. While I don't consider the replies "smart ***" I
> thought they were a little condescending. I thought the forum was all about
> a helping hand, not a redirect. Maybe we know as much as they do now. If I
> figure out anything new on this, I will be more than happy to share my
> findings with you.
>
> 73, Andrew K6STN
>
>
>
> _____
>
> From: orion565@...m [mailto:orion565@yahoogroups.com] On Behalf
> Of w3qj37
> Sent: Monday, March 09, 2009 12:34 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] New Orion II owner.
>
>

>
> Greetings,
>
> I'm grateful to finally have the Orion II. This is a fine radio. Straight
> forward and very easy to use. The interaction of RF gain and NR is striking,
> among other things. NR works well for me.
> This Orion II is s/n 05C10986, went into service 07/14/06 w/ v2.039D fw. I'm
> very happy with the performance. Are there any users out there that had this
> version firmware in there Orion II, and recently updated to the new fw
> release? If so, besides the shortcomings many have identified with the
> recent fw release, is it worth updating?
>
> Thanks.
>
> Terry
> W3QJ
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

4925. 715 RF speech processor

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-10 11:42:10 UTC
From: wc1x
Topic: 4925 Message: 4925

Anybody have experience using the new Ten Tec 715 RF Speech Processor with the Orion II? Any comments pro and/or con would be greatly appreciated.

TNX

Marc

WC1X / 4Z8BB / M0VOA

4926. Re: [orion565] 715 RF speech processor

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-10 12:04:26 UTC
From: Billy Cox
Topic: 4925 Message: 4926

Received this comment from the contest ....
"You sounded great on 160, nice clean audio."

Data points: Orion II Internal SP = 7
MIC = 6 - 10
H/W MIC = 2.0 dB
TX Filter BW = 2550 Hz
L.F. Rolloff = 200 Hz
715 set to PASS BAND = 12 o'clock
PROC GAIN = 8 o'clock
PROC LEVEL = 2 o'clock

The 715 also works well with a FT1000MP as noted on eHam.

I hope this helps,

73 de Billy, AA4NU

-----Original Message-----
>From: wc1x <marc.chicoine@...>
>Anybody have experience using the new Ten Tec 715 RF Speech Processor with
>the Orion II? Any comments pro and/or con would be greatly appreciated.
>
>TNX
>
>Marc
>
>WC1X / 4Z8BB / M0VOA

4927. Re: Orion 565 (model 1) contrast issue & fix

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-10 12:44:18 UTC
From: pa1ap
Topic: 4911 Message: 4927

Greetings,

an update on the LCD contrast issue;

after a few days of using I found that my original issue of diagonal contrast issue has disappeared completely. In my case the capacitor replacement did its job.

I do see that there is still a difference between cold and warm status of the rig. It isn't that large anymore and if set correctly a good compromise can be set and left alone. To maintain perfect contrast I have to change about 3-5%.

Perhaps there are two issues. One issue could be the leaky capacitors and another could be stability of the LCD screen / contrast.

If you find diagonal contrast issue you might want to replace those capacitors. If its only lcd contrast stability its not proven the replacement makes a difference.

Anyway, wish you all the best and have a nice day!

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings,
>
> I replaced them with the same type of capacitors with same rating. I did not make pictures of the replacement process but in summary;
>
> 0) disconnect the rig from power, make sure there is no way for the unit to start.....
> 1) open the rig, bottom and top cover
> 2) turn rig upside down, bottom to the top
> 3) dc-dc converter board is at right corner, near the s-meter.. it is the smallest pcb board available.
> 4) disconnect the backlight cable (small white cable connector)
> 5) remove the pcb board by removing the four screws (philips type)
> 6) carefully slide the pcb board (horizontal) to disconnect from the "backplane" connector to the left
> 7) take your soldering iron and start replacing the capacitors
> 8) put all back and see if that fixed the challenge as found.
>
> No warranty provided by the way.... It worked for me but that doesn't mean it will work for you. also take into account the polarity of the capacitors, especially c1 and c2 since they connect different then one would expect.
>
> It would be great if someone could capture the voltages and hash/spikes using a scope as well to compare notes. I have uploaded the pictures to the photo section.
>

> Also I got great help from Mike who figured this out and was very kind to share his experience with me.
>
> Hope this helps, Best regards, Onno pa1ap
>
>
>
> --- In orion565@yahoogroups.com, Adam Wade <espresso_doppio@> wrote:
> >
> >
> > --- On Sun, 3/8/09, pa1ap <pa1ap@> wrote:
> > From: pa1ap <pa1ap@>
> > Subject: [orion565] Orion 565 (model 1) contrast issue & fix
> > To: orion565@yahoogroups.com
> > Date: Sunday, March 8, 2009, 1:48 AM
> >
> > > Through great help of Mike (W8TRN) I learned that the dc-dc
> > > converter board (A9) might have some weak capacitors (aging or
> > > something like that) and after a trip to the local electronic
> > > shop I replace them. Just to make sure I replaced the following
> > > capacitors (c1 & c2, c9, c6, c7).
> >
> > Did you replace them with components with the same rating as the stock ones? I'd be quite interested to know the spec of the capacitors you ended up using, and if you have any photos you took of the process, befpre/after, calling out the specific caps you replaced in a photo, etc., I'm sure I'm not the only one who would love to see them. ;)
> >
> > Thanks very much for sharing this with us. I have been living with the screen's behavior and working around it for the most part, but it sure would be nice to end up with the results that you got. :D And any excuse to open up expensive electronics and poke around inside... ;)
> >
> > ! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
> > ! "I write down everything I want to remember. That way, instead !
> > ! of spending a lot of time trying to remember what it is I wrote !
> > ! down, I spend z time looking for the paper I wrote it down on." !
> > ! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !
> >
>

4928. RE: [orion565] 715 RF speech processor

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-10 14:43:39 UTC
From: Andrew B. Steen
Topic: 4925 Message: 4928

Curious as to the mike used. Sounds like a good investment.

Andrew K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Billy Cox
Sent: Tuesday, March 10, 2009 5:04 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] 715 RF speech processor

Received this comment from the contest ....
"You sounded great on 160, nice clean audio."

Data points: Orion II Internal SP = 7
MIC = 6 - 10
H/W MIC = 2.0 dB
TX Filter BW = 2550 Hz
L.F. Rolloff = 200 Hz
715 set to PASS BAND = 12 o'clock
PROC GAIN = 8 o'clock
PROC LEVEL = 2 o'clock

The 715 also works well with a FT1000MP as noted on eHam.

I hope this helps,

73 de Billy, AA4NU

-----Original Message-----
>From: wc1x <marc.chicoine@ <mailto:marc.chicoine%40dcma.mil> dcma.mil>
>Anybody have experience using the new Ten Tec 715 RF Speech Processor with
>the Orion II? Any comments pro and/or con would be greatly appreciated.
>
>TNX
>
>Marc
>
>WC1X / 4Z8BB / M0VOA

[Non-text portions of this message have been removed]

4929. Radio arrived today

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-10 16:10:01 UTC
From: Dave
Topic: 4929 Message: 4929

Well at last got a tentec orion 11 in the shack today.
first impressions on the radio are WOW !!!!!
first impressions on the packaging are " what a rubbish way to pack anything" it might be ok for one trip in the post ,but I would be very
reluctant to trust it again if I needed to send it for any reason,in the post again.
by the way you guys in the states have all the luck the orion with no atu costs $5267 in the uk
regards
to the group
Dave

4930. RE: [orion565] Radio arrived today

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-10 17:15:40 UTC
From: Tony Lelieveld
Topic: 4929 Message: 4930

Hi Dave,

Consider buying an ATU from "LDG". They make a "made for ORIONII drop-in" ATU that works very well. It uses all the features like an original from TenTec with the menu control etc and if I remember correctly you save about $150 to $200. You install it your self and the nice thing is that TenTec still honours your warranty. It works very fine for me. The model # is OT11P and cost me $149 US two years ago. 73 and have lots of fun with you new rig.

Tony, VE3DWI

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Dave
Sent: March 10, 2009 12:10
To: orion565@yahoogroups.com
Subject: [orion565] Radio arrived today

Well at last got a TenTec orion 11 in the shack today.
first impressions on the radio are WOW !!!!!
first impressions on the packaging are " what a rubbish way to pack anything" it might be ok for one trip in the post ,but I would be very reluctant to trust it again if I needed to send it for any reason,in the post again.
by the way you guys in the states have all the luck the orion with no atu costs $5267 in the uk
regards
to the group
Dave

[Non-text portions of this message have been removed]

4931. RE: [orion565] 715 RF speech processor

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-10 19:38:36 UTC
From: Billy Cox
Topic: 4925 Message: 4931

My apology, thought about that omission when I was about
70 miles down the road this morning ... Heil ProSet HC-4

73 de Billy, AA4NU

-----Original Message-----
>From: "Andrew B. Steen" <n2gff@...>
>Curious as to the mike used. Sounds like a good investment.
>Andrew K6STN
>
>From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
>Of Billy Cox
>Received this comment from the contest ....
>"You sounded great on 160, nice clean audio."
>
>Data points: Orion II Internal SP = 7
>MIC = 6 - 10
>H/W MIC = 2.0 dB
>TX Filter BW = 2550 Hz
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>715 set to PASS BAND = 12 o'clock
>PROC GAIN = 8 o'clock
>PROC LEVEL = 2 o'clock
>
>The 715 also works well with a FT1000MP as noted on eHam.
>
>I hope this helps,
>
>73 de Billy, AA4NU
>
>-----Original Message-----
>>From: wc1x <marc.chicoine@ <mailto:marc.chicoine%40dcma.mil> dcma.mil>
>>Anybody have experience using the new Ten Tec 715 RF Speech Processor with
>>the Orion II? Any comments pro and/or con would be greatly appreciated.
>>
>>TNX
>>
>>Marc
>>
>>WC1X / 4Z8BB / M0VOA

4932. RE: [orion565] Radio arrived today

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-10 21:46:04 UTC
From: Duane Calvin
Topic: 4929 Message: 4932

I believe they discontinued that tuner not long after they introduced it. I could be wrong, so check the LDG web site for sure.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Tony Lelieveld
Sent: Tuesday, March 10, 2009 12:16 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Radio arrived today

Hi Dave,

Consider buying an ATU from "LDG". They make a "made for ORIONII drop-in" ATU that works very well. It uses all the features like an original from TenTec with the menu control etc and if I remember correctly you save about $150 to $200. You install it your self and the nice thing is that TenTec still honours your warranty. It works very fine for me. The model # is OT11P and cost me $149 US two years ago. 73 and have lots of fun with you new rig.

Tony, VE3DWI

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Dave
Sent: March 10, 2009 12:10
To: orion565@yahoogroups.com
Subject: [orion565] Radio arrived today

Well at last got a TenTec orion 11 in the shack today.
first impressions on the radio are WOW !!!!!
first impressions on the packaging are " what a rubbish way to pack anything" it might be ok for one trip in the post ,but I would be very reluctant to trust it again if I needed to send it for any reason,in the post again.
by the way you guys in the states have all the luck the orion with no atu costs $5267 in the uk
regards
to the group
Dave

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4933. RE: [orion565] Radio arrived today

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-10 23:49:15 UTC
From: Tony Lelieveld
Topic: 4929 Message: 4933

Duane,

I just went to the LDG site and you are right. I can't find it at all. Hmmm I wonder why. Could it be because I heard that they are producing the ATU for the ORION-II and where told not to make it anymore? Curious isn't it. My apologies to Dave for letting him astray.

73. Tony VE3DWI

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Duane Calvin
Sent: March 10, 2009 17:46
To: orion565@yahoogroups.com
Subject: RE: [orion565] Radio arrived today

I believe they discontinued that tuner not long after they introduced it. I could be wrong, so check the LDG web site for sure.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com [mailto:orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com] On Behalf Of Tony Lelieveld
Sent: Tuesday, March 10, 2009 12:16 PM
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Subject: RE: [orion565] Radio arrived today

Hi Dave,

Consider buying an ATU from "LDG". They make a "made for ORIONII drop-in" ATU that works very well. It uses all the features like an original from TenTec with the menu control etc and if I remember correctly you save about $150 to $200. You install it your self and the nice thing is that TenTec still honours your warranty. It works very fine for me. The model # is OT11P and cost me $149 US two years ago. 73 and have lots of fun with you new rig.

Tony, VE3DWI

From: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
[mailto:orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com] On
Behalf
Of Dave
Sent: March 10, 2009 12:10
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Subject: [orion565] Radio arrived today

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to the group
Dave

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4934. RE: [orion565] Radio arrived today

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-11 01:47:19 UTC
From: Adam Wade
Topic: 4929 Message: 4934

--- On Tue, 3/10/09, Tony Lelieveld <ve3dwi@...> wrote:
From: Tony Lelieveld <ve3dwi@...>
Subject: RE: [orion565] Radio arrived today
To: orion565@yahoogroups.com
Date: Tuesday, March 10, 2009, 4:49 PM

> I just went to the LDG site and you are right. I can't find it
> at all.

http://www.ldgelectronics.com/c/252/products/7/11/4

It's two clicks away, using the menu bar, starting with "Discontinued Products"...

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

Could it be because I heard that they are producing the

ATU for the ORION-II and where told not to make it anymore? Curious isn't

it. My apologies to Dave for letting him astray.

73. Tony VE3DWI

_____

From: orion565@yahoogroup s.com [mailto:orion565@yahoogroup s.com] On Behalf

Of Duane Calvin

Sent: March 10, 2009 17:46

To: orion565@yahoogroup s.com

Subject: RE: [orion565] Radio arrived today

I believe they discontinued that tuner not long after they introduced it. I

could be wrong, so check the LDG web site for sure.

73, Duane

Duane Calvin, AC5AA

Austin, Texas

www.ac5aa.com

-----Original Message-----

From: orion565@yahoogroup <mailto:orion565% 40yahoogroups. com> s.com

[mailto:orion565@ yahoogroup <mailto:orion565% 40yahoogroups. com> s.com] On

Behalf

Of Tony Lelieveld

Sent: Tuesday, March 10, 2009 12:16 PM

To: orion565@yahoogroup <mailto:orion565% 40yahoogroups. com> s.com

Subject: RE: [orion565] Radio arrived today

Hi Dave,

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$150 to $200. You install it your self and the nice thing is that TenTec

still honours your warranty. It works very fine for me. The model # is

OT11P and cost me $149 US two years ago. 73 and have lots of fun with you

new rig.

Tony, VE3DWI

_____

From: orion565@yahoogroup <mailto:orion565% 40yahoogroups. com> s.com

[mailto:orion565@ yahoogroup <mailto:orion565% 40yahoogroups. com> s.com] On

Behalf

Of Dave

Sent: March 10, 2009 12:10

To: orion565@yahoogroup <mailto:orion565% 40yahoogroups. com> s.com

Subject: [orion565] Radio arrived today

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reluctant to trust it again if I needed to send it for any reason,in the post again.

by the way you guys in the states have all the luck the orion with no atu costs $5267 in the uk

regards

to the group

Dave

[Non-text portions of this message have been removed]

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Yahoo! Groups Links

[Non-text portions of this message have been removed]

4935. RE: [orion565] 715 RF speech processor

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-11 02:27:36 UTC
From: Andrew B. Steen
Topic: 4925 Message: 4935

Billy. Sounds like you and I have similar stations (less the processor). I am running the Orion II, or the FT1000MP MK V, with a heil pro headset(I use the hc4 only for DX though).

73, Andrew

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Billy Cox
Sent: Tuesday, March 10, 2009 12:39 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] 715 RF speech processor

My apology, thought about that omission when I was about 70 miles down the road this morning ... Heil ProSet HC-4

73 de Billy, AA4NU

-----Original Message-----
>From: "Andrew B. Steen" <n2gff@sbcglobal. <mailto:n2gff%40sbcglobal.net> net>
>Curious as to the mike used. Sounds like a good investment.
>Andrew K6STN
>
>From: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com [mailto:orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com] On Behalf
>Of Billy Cox
>Received this comment from the contest ....
>"You sounded great on 160, nice clean audio."
>
>Data points: Orion II Internal SP = 7
>MIC = 6 - 10
>H/W MIC = 2.0 dB
>TX Filter BW = 2550 Hz
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>715 set to PASS BAND = 12 o'clock
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>PROC LEVEL = 2 o'clock
>
>The 715 also works well with a FT1000MP as noted on eHam.
>
>I hope this helps,
>
>73 de Billy, AA4NU

>
>-----Original Message-----
>>From: wc1x <marc.chicoine@ <mailto:marc.chicoine%40dcma.mil> dcma.mil>
>>Anybody have experience using the new Ten Tec 715 RF Speech Processor with

>>the Orion II? Any comments pro and/or con would be greatly appreciated.
>>
>>TNX
>>
>>Marc
>>
>>WC1X / 4Z8BB / M0VOA

[Non-text portions of this message have been removed]

4936. Re: Radio arrived today

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-11 03:08:10 UTC
From: w3qj37
Topic: 4929 Message: 4936

Congratulations Dave. I also got one this past Saturday. Just upgraded the firmware to the "controversial" newest release 2.041XL. So far so good. It will take a bit to fully "wring it out", but I'm sure most will be fine.

I posted a quick view on You Tube.

http://www.youtube.com/watch?v=whL_1RhLSOw

I hope you enjoy your Orion II as much as I enjoy mine.

Terry
W3QJ

--- In orion565@yahoogroups.com, "Dave" <gm6jua@...> wrote:
>
> Well at last got a tentec orion 11 in the shack today.
> first impressions on the radio are WOW !!!!!
> first impressions on the packaging are " what a rubbish way to pack anything" it might be ok for one trip in the post ,but I would be very
> reluctant to trust it again if I needed to send it for any reason,in the post again.
> by the way you guys in the states have all the luck the orion with no atu costs $5267 in the uk
> regards
> to the group
> Dave
>

4937. RE: [orion565] Radio arrived today

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-11 03:11:25 UTC
From: Duane Calvin
Topic: 4929 Message: 4937

As I recall the scenario, they built the original Orion I ATU - mine has the LDG in it. Then TT began putting their own in. At some point in there, LDG started offering one as an aftermarket add-in (TT did not offer it except at time of order.) I believe the add-in LDG had memory tune while the original didn't. My guess is that they didn't sell enough of them. For what it's worth, the TT version has memory (the LDG in the OI didn't) and tunes faster. Range on both seems about the same. I used a friend's Orion II with the tuner for a while and like the TT tuner a lot. OK, that's more than I know about it!

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Adam Wade
Sent: Tuesday, March 10, 2009 8:47 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Radio arrived today

--- On Tue, 3/10/09, Tony Lelieveld <ve3dwi@...> wrote:
From: Tony Lelieveld <ve3dwi@...>
Subject: RE: [orion565] Radio arrived today
To: orion565@yahoogroups.com
Date: Tuesday, March 10, 2009, 4:49 PM

> I just went to the LDG site and you are right. I can't find it
> at all.

http://www.ldgelectronics.com/c/252/products/7/11/4

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! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

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ATU for the ORION-II and where told not to make it anymore? Curious isn't

it. My apologies to Dave for letting him astray.

73. Tony VE3DWI

From: orion565@yahoogroup s.com [mailto:orion565@yahoogroup s.com] On Behalf

Of Duane Calvin

Sent: March 10, 2009 17:46

To: orion565@yahoogroup s.com

Subject: RE: [orion565] Radio arrived today

I believe they discontinued that tuner not long after they introduced it. I

could be wrong, so check the LDG web site for sure.

73, Duane

Duane Calvin, AC5AA

Austin, Texas

www.ac5aa.com

-----Original Message-----

From: orion565@yahoogroup <mailto:orion565% 40yahoogroups. com> s.com

[mailto:orion565@ yahoogroup <mailto:orion565% 40yahoogroups. com> s.com] On

Behalf

Of Tony Lelieveld

Sent: Tuesday, March 10, 2009 12:16 PM

To: orion565@yahoogroup <mailto:orion565% 40yahoogroups. com> s.com

Subject: RE: [orion565] Radio arrived today

Hi Dave,

Consider buying an ATU from "LDG". They make a "made for ORIONII drop-in"

ATU that works very well. It uses all the features like an original from

TenTec with the menu control etc and if I remember correctly you save about

$150 to $200. You install it your self and the nice thing is that TenTec

still honours your warranty. It works very fine for me. The model # is

OT11P and cost me $149 US two years ago. 73 and have lots of fun with you

new rig.

Tony, VE3DWI

From: orion565@yahoogroup <mailto:orion565% 40yahoogroups. com> s.com

[mailto:orion565@ yahoogroup <mailto:orion565% 40yahoogroups. com> s.com] On

Behalf

Of Dave

Sent: March 10, 2009 12:10

To: orion565@yahoogroup <mailto:orion565% 40yahoogroups. com> s.com

Subject: [orion565] Radio arrived today

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first impressions on the radio are WOW !!!!!

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by the way you guys in the states have all the luck the orion with no atu

costs $5267 in the uk

regards

to the group

Dave

[Non-text portions of this message have been removed]

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Yahoo! Groups Links

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4938. Re: [orion565] 715 RF speech processor

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-11 04:42:50 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 4925 Message: 4938

I called T*T when they released the speech processor to see what it will do as I already use the W2IHY 8 band Equalizer/Noise Gate and the W2IHY EQplus. Basically, the T*T model will cut out all the lows and spruce up the mid-range, compressing more audio into that group of frequencies. That's great for DX, however the W2IHY will do everything the T*T unit will do and more, tayoring your voice to the radio and then adding compression, slight delays, bass and treble boost where needed plus a downward expander. Instead of removing the bass the W2IHY gear enhances the lows for that rich deep broadcast sound that you lose in most SSB transmissions.

Yes the two units cost more than the T*T's single unit, but if you want an FM like broadcasting voice, something that is enjoyable to listen to on the other end, then the W2IHY audio gear is the way to go.

Julius has put long hours into the development of his equipment, and he is there almost 24/7 to offer support and set up help.

73,
Sam
K3SAM

From: Andrew B. Steen <n2gff@...>
To: orion565@yahoogroups.com
Sent: Tuesday, March 10, 2009 10:27:36 PM
Subject: RE: [orion565] 715 RF speech processor

Billy. Sounds like you and I have similar stations (less the processor). I am running the Orion II, or the FT1000MP MK V, with a heil pro headset(I use the hc4 only for DX though).

73, Andrew

From: orion565@yahoogroup s.com [mailto:orion565@yahoogroup s.com] On Behalf Of Billy Cox
Sent: Tuesday, March 10, 2009 12:39 PM
To: orion565@yahoogroup s.com
Subject: RE: [orion565] 715 RF speech processor

My apology, thought about that omission when I was about 70 miles down the road this morning ... Heil ProSet HC-4

73 de Billy, AA4NU

-----Original Message-----
>From: "Andrew B. Steen" <n2gff@sbcglobal. <mailto:n2gff% 40sbcglobal. net>
net>

>Curious as to the mike used. Sounds like a good investment.
>Andrew K6STN
>
>From: orion565@yahoogroup <mailto:orion565% 40yahoogroups. com> s.com
[mailto:orion565@ yahoogroup <mailto:orion565% 40yahoogroups. com> s.com] On
Behalf
>Of Billy Cox
>Received this comment from the contest ....
>"You sounded great on 160, nice clean audio."
>
>Data points: Orion II Internal SP = 7
>MIC = 6 - 10
>H/W MIC = 2.0 dB
>TX Filter BW = 2550 Hz
>L.F. Rolloff = 200 Hz
>715 set to PASS BAND = 12 o'clock
>PROC GAIN = 8 o'clock
>PROC LEVEL = 2 o'clock
>
>The 715 also works well with a FT1000MP as noted on eHam.
>
>I hope this helps,
>
>73 de Billy, AA4NU
>
>-----Original Message-----
>>From: wc1x <marc.chicoine@ <mailto:marc. chicoine% 40dcma.mil> dcma.mil>
>>Anybody have experience using the new Ten Tec 715 RF Speech Processor with

>>the Orion II? Any comments pro and/or con would be greatly appreciated.
>>
>>TNX
>>
>>Marc
>>
>>WC1X / 4Z8BB / M0VOA

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4939. Re: [orion565] 715 RF speech processor

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-11 05:27:38 UTC
From: Adam Wade
Topic: 4925 Message: 4939

--- On Tue, 3/10/09, Sam W. Jacobs, C.E.T. <Sam@...> wrote:
From: Sam W. Jacobs, C.E.T. <Sam@...>
Subject: Re: [orion565] 715 RF speech processor
To: orion565@yahoogroups.com
Date: Tuesday, March 10, 2009, 9:42 PM

> ...the W2IHY will do everything the T*T unit will do and more,
> tailoring your voice to the radio and then adding compression,
> slight delays, bass and treble boost where needed plus a
> downward expander. Instead of removing the bass the W2IHY gear
> enhances the lows for that rich deep broadcast sound that you
> lose in most SSB transmissions.

And using a mic preamp, rack-mount line level compressor/limiter/noise gate and parametric eq, and a box called a "re-amper" will do all that both the Ten-Tec unit and a $700 set of W2IHY gear will do plus a lot more for a touch less than half the price of the W2IHY gear. Since even eSSB is not very high fidelity, you can use fairly cheap rack mount effects without degrading your sound quality as far as someone at the other end of the QSO is aware, and you get a whole lot more flexibility in tailoring your sound -- especially important as each voice and each mic are different, and what works best for one will likely not work best for the majority of others.

> Yes the two units cost more than the T*T's single unit, but if
> you want an FM like broadcasting voice, something that is
> enjoyable to listen to on the other end, then the W2IHY audio
> gear is the way to go.

Fine for short-hop round tables, but adding all that bass in just steals power away from your PA finals that could be used to deliver more signal strength in the all-important upper midrange, which is the core of the intelligibility of speech. So if you work DX a lot, you'd really be shooting yourself in the foot using the W2IHY gear if it cannot be made to leave bass alone, or even roll some of it off. Of course, we can do that easily enough in our Orions, too, so for us, perhaps, that point is a bit moot.

> Julius has put long hours into the development of his equipment,
> and he is there almost 24/7 to offer support and set up help.

And one could homebrew equivalent function hardware for less than a third the price. Of course, one would have to know how to get to "good" settings, then spend time making up circuitry to ONLY allow those combinations you consider "good". Of course, as I mentioned, that varies from voice to voice and mic to mic.

My audio front end is an Audio Technica AT-2020 condenser mic, Behringer Tube Ultragain MIC200 preamp/phantom power box, Behringer T1951 Ultra-Q parametric EQ, Behringer T1952 Tube Composer comp/limiter/noise gate, Pro RMP Studio Re-Amper (does impedance transformation and isolation -- essentially an audio balun), then into the mic connector. Total invested, including boom arm, was $560 (not counting cables, but all the cables are

either generic or easily made from simple parts like a 4-pin female mic connector to solder in to a shielded cable with 1/4" plug on the other end). Compare against the cost of the 8-band EQ box, the noise gate/EQ box, and the isolation box from W2IHY.

All that said, using RF has some significant advantages over other forms of audio compression. Ten-Tec appears to be using an "in-between" sort, that is better than audio processing gear can be, but isn't as good at raising RMS power out while maintaining a lovely voice tone that can still pack some punch as, say, the audio processing in my old Kenwood TS-520S. But I would be quite interested to do some A/B comparison, as the TX as well as the RX end. If anyone has one of these Ten-Tec boxes, and has a little time, please email me as I'd like to set up a sked for some testing. :)

Incidentally, my experience comes from a number of years as a professional audio engineer; there is plenty I don't know, but also plenty I do. :D I'd stake my gear against W2IHY for sound quality and easily beat them in adjustability (I can flip one switch, use the user profiles to make it a single button-press to switch the bandwidth and bass rolloff for TX on the Orion, and have gone between a nice, clean, open and full eSSB sound to a crunchy, narrow DXing tone that cuts through static, pile-ups, QSB, you name it. I spent this past weekend tweaking my settings during the SSB DX International contest, and I was breaking pile-ups on a fairly regular basis. Why is that news? I was using 600W PEP and a Hustler 5BTV trapped multi-band vertical. Yep, an HF vertical and 600W, and I was busting pile-ups halfway around the world, sometimes in a matter of under 20 seconds. Sure, I had to work for some of them, but IMHO I should have had to work for all
of them, competing as I was against people running 2 kw and stacked 5EL beams, or worse. :)

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

4940. Re: [orion565] 715 RF speech processor

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-11 10:24:23 UTC
From: Barry N1EU
Topic: 4925 Message: 4940

I'm just scratching my head here. You guys can't be using the same rig I'm using - Orion I with v1 firmware. This rig has THE best speech compressor I've ever encountered. It's almost magical how constant the ssb output power is maintained (my amp has LED peak output meter) while providing very pleasant compressed audio quality. And -20dB TX EQ rolls off the lows just the right amount for dx/contesting.

73,
Barry N1EU

4941. com port settings for orion11

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-12 17:53:58 UTC
From: Dave
Topic: 4941 Message: 4941

can someone please supply me with the com port settings to hook up the orion11 to my computer please,i would be much obliged as they don't seem to be written in the manual,or I'm just not finding them.
regards
Dave

4942. Re: [orion565] com port settings for orion11

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-12 17:57:49 UTC
From: Billy Cox
Topic: 4941 Message: 4942

As an example, N1MM uses 57600, N, 8, 1 and handshake,
see if that will get you started there.

73 de Billy, AA4NU

-----Original Message-----
>From: Dave <gm6jua@...>
>can someone please supply me with the com port settings to hook up the orion11 to my computer please,i would be much obliged as they don't seem to be written in the manual,or I'm just not finding them.
>regards
>Dave

4943. RE: [orion565] com port settings for orion11

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-12 18:04:55 UTC
From: Andrew B. Steen
Topic: 4941 Message: 4943

Nothing to do with the radio Dave, other than plugging in the serial cable. The port settings are done on the computer, and it will decide the port. Some software will automatically determine the port for you, but in many cases, you can pick it yourself. Some ports are reserved for things like the mouse or printer. I use a lot of the usb to serial cables, and I just go through them until the cat in the radio picks it up. The parity, and other settings are the same as other radios or devices, I don't recall having to change them from default. The speed on the other hand, I start at 4800, and see how far I can go, usually around 9600. Your radio software should give you some insight as to what works. For example, my logging program uses comm. Port 6, baud rate 56, parity none, data bits 8, stop bits 1, connection pwr RTS, and polling rate of 500 ms. Hope that helps alittle.

Regards, Andrew K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Dave
Sent: Thursday, March 12, 2009 10:54 AM
To: orion565@yahoogroups.com
Subject: [orion565] com port settings for orion11

can someone please supply me with the com port settings to hook up the orion11 to my computer please,i would be much obliged as they don't seem to be written in the manual,or I'm just not finding them.
regards
Dave

[Non-text portions of this message have been removed]

4944. RE: [orion565] Re: low power

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-12 18:10:50 UTC
From: Mike Schatzberg
Topic: 4870 Message: 4944

Hello Orion II Fans:

I have posted the ALC adjustment procedure and IF Converter Board photo on my website as requested by several members.

The procedure for optimizing the operation of the Speech Processor is also included on the website.

You can visit the webpage here which contains the procedures and photo:

http://home.earthlink.net/~cherokeehillfarm/id2.html

73 and Happy DXing,

Mike

W2AJI

> To: orion565@yahoogroups.com
> From: wow_chf@...
> Date: Thu, 5 Mar 2009 13:19:06 -0500
> Subject: RE: [orion565] Re: low power
>
>
> Hello Francisco:
>
>
>
> I am very glad to learn that the procedure for calibration of your ALC restored the full output of your O2.
>
>
>
> I received many emails asking for the picture of the IF converter board, and I will make the picture available on my website, along with the instructions for adjusting the ALC set point, as well as the method for adjusting the O2 microphone gain controls to assure the Speech Processor (RF Compressor) is working optimally.
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> I hope to see you on 20 meters soon.
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>
> 73 and Happy DXing,
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> Mike
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> W2AJI
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> > To: orion565@yahoogroups.com
> > From: ea7grd2003@...
> > Date: Thu, 5 Mar 2009 16:05:45 +0000
> > Subject: [orion565] Re: low power
> >
> > Hi Mike.
> > I followed your instructions and the problem has been solved, now the O2 pulls 100w of power without any problem.
> > Thank you very much for your help, also the other group members that have expressed interest in the problem of my Orion.
> > Good luck. 73
> > Francisco EA7GRD
> >
> > --- In orion565@yahoogroups.com, "Mike Schatzberg " <wow_chf@...> wrote:
> > >
> > > Hello Francisco:s The IF Converter Board is located directly under the speaker in the O2. I am attaching a photo which clearly shows the ALC Set pot on the converter board. It is to the right of three other pots, including the meter calibration pot. It is clearly labeled. Set your encoder to show 100 watts on the O2 screen, and I would set the ALC Set pot to produce an output of about 110 watts maximum. Your radio should then be able to output 100 watts easily into a 50 ohm dummy load. Ignore the ALC lamp. It is not a good indicator of adequate audio drive level. The lamp should be lit continuously, and your Speech Processor on and set to number 7. Adjust your microphone gain, and your hardware microphone gain, to indicate an average power of about 45% of the Maximum PEP output. Without adequate microphone gain, the RF compressor will not produce a significant increase in the average power output. After you have adjusted your O2, according to the above, get some on the air quality checks. You should receive excellent reports, as the processor does not distort the audio in any way at these levels. I found my photo, it should make adjustments very simple for you. Just make sure your Bird 43P has a good 100H element, and your dummy load is truly 50 ohms. Good luck. 73 and Happy DXing, Mike W2AJI ------
> > >
> > >
> > > -----Original Message-----
> > > From: ea7grd2003
> > > Sent: 3/4/2009 10:29:55 PM
> > > To: orion565@yahoogroups.com
> > > Subject: [orion565] Re: low power

> > > Tony.
> > > The power indicator is on 100.
> > > The system for measuring power is:
> > >
> > > OrionII---------Bird----------Dummy load
> > >
> > > Thanks
> > > Francisco EA7GRD
> > >
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> > >
> > > --- In orion565@yahoogroups.com, "Tony Lelieveld" <ve3dwi@> wrote:
> > > >
> > > > Francisco,
> > > >
> > > > Two, dumb, questions. Are you terminated in a dummy load when you do the
> > > > measurement and does your power indicator at the top left corner on the
> > > > screen show 100. If not, make sure it is activated by being in a Blue color
> > > > and turn the multi knob until it shows 100 then try again. Just a
> > > > possibility.
> > > >
> > > > 73, Tony VE3DWI
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> > > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > > > Of ea7grd2003
> > > > Sent: March 4, 2009 14:54
> > > > To: orion565@yahoogroups.com
> > > > Subject: [orion565] Re: low power
> > > >
> > > >
> > > >
> > > > Hi Mike.
> > > > 80 W in cw mode and less than 50W in ssb mode.
> > > > Bird wattmeter model is 43P, I've also used a wattmeter Diamond SX1000 and
> > > > measures are similar.
> > > > Thanks for your interest.
> > > > Francisco EA7GRD
> > > >
> > > > --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, Mike
> > > > Schatzberg <wow_chf@> wrote:
> > > > >
> > > > >
> > > > > Francisco:
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> > > > >
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> > > > > Are you referring to the key down CW output of your O2, the maximum PEP
> > > > output of your O2 on SSB, or the average power output in SSB?
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> > > > >
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> > > > > Is your Bird wattmeter a model 43 or 43P?
> > > > >
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> > > > > Thank you for more information.
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> > > > > 73,
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> > > > >
> > > > > Mike
> > > > >
> > > > > W2AJI
> > > > >
> > > > > > To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> > > > > > From: ea7grd2003@
> > > > > > Date: Wed, 4 Mar 2009 18:42:09 +0000
> > > > > > Subject: [orion565] low power
> > > > > >
> > > > > > Hi.
> > > > > > I recently bought a orion II, although I am learning to manage.
> > > > > > The output power is low, only 50 w, measured with my Bird.
> > > > > > I think the ALC will not let go 100 w, any solution?
> > > > > > Thank you.
> > > > > > Francisco EA7GRD
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[Non-text portions of this message have been removed]

4946. RE: [orion565] Re: low power

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-12 23:05:30 UTC
From: tlp1@vzavenue.net
Topic: 4870 Message: 4946

Wonderful, professionally constructed website. Pleasing to the eyes, and good information. Keep up the good work.

W3QJ

4947. Re: [orion565] com port settings for orion11

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-13 00:14:48 UTC
From: Dick Williams
Topic: 4941 Message: 4947

Dave,

I have my O2 connected to Com port 1 on the computer. The radio uses 57600, none, 8, and 1 according to the manual. Also I have seen responses to use "Handshake"; though I am not sure where you set that. My computer has "Hardware", None, and Xon/Xoff for the options.

Personnally, I have used the default setting for the port (9600, none, 8, 1 and no flow control. I use DXBase logging program for rig control and I have upgraded all the new releases with the aforementioned settings and have not had one lick of a problem.

I am not sure, but I think XP automatically sets the baud rate for the com port based on the program. I.E. In DXBase radio set up the baudrate is set to 57600 with none, 8, and 1. I do find the radio seems to respond better when I have "CTS" checked (the other options are DTR High and RTS High - which I have un-checked)

Maybe someone a little more "computer savey" can fill both of us in with a little more "knowledge" on the above.

Dick K8ZTT

----- Original Message -----
From: Dave
To: orion565@yahoogroups.com
Sent: Thursday, March 12, 2009 11:53 AM
Subject: [orion565] com port settings for orion11

can someone please supply me with the com port settings to hook up the orion11 to my computer please,i would be much obliged as they don't seem to be written in the manual,or I'm just not finding them.
regards
Dave

[Non-text portions of this message have been removed]

4948. Re: [orion565] Re: low power

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-13 14:19:11 UTC
From: Larry M
Topic: 4870 Message: 4948

Thanks, Mike, very clearly stated and good photo. I'll do my OII this weekend.

Great website, too, btw.

Larry, W0PR
Northfield, MN

PS I raised Appaloosa horses for years until the market went away...HI

----- Original Message -----
From: Mike Schatzberg
To: orion565@yahoogroups.com
Sent: Thursday, March 12, 2009 1:10 PM
Subject: RE: [orion565] Re: low power

Hello Orion II Fans:

I have posted the ALC adjustment procedure and IF Converter Board photo on my website as requested by several members.

The procedure for optimizing the operation of the Speech Processor is also included on the website.

You can visit the webpage here which contains the procedures and photo:

http://home.earthlink.net/~cherokeehillfarm/id2.html

73 and Happy DXing,

Mike

W2AJI

> To: orion565@yahoogroups.com
> From: wow_chf@...
> Date: Thu, 5 Mar 2009 13:19:06 -0500
> Subject: RE: [orion565] Re: low power
>
>
> Hello Francisco:
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> I am very glad to learn that the procedure for calibration of your ALC restored the full output of your O2.
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> I received many emails asking for the picture of the IF converter board, and I will make the picture available on my website, along with the instructions for adjusting the ALC set point, as well as the method for adjusting the O2 microphone gain controls to assure the Speech Processor (RF Compressor) is working optimally.
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> I hope to see you on 20 meters soon.
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> 73 and Happy DXing,
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> Mike
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> > To: orion565@yahoogroups.com
> > From: ea7grd2003@...
> > Date: Thu, 5 Mar 2009 16:05:45 +0000
> > Subject: [orion565] Re: low power
> >
> > Hi Mike.
> > I followed your instructions and the problem has been solved, now the O2 pulls 100w of power without any problem.
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> > Francisco EA7GRD
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> > --- In orion565@yahoogroups.com, "Mike Schatzberg " <wow_chf@...> wrote:
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microphone gain, to indicate an average power of about 45% of the Maximum PEP output. Without adequate microphone gain, the RF compressor will not produce a significant increase in the average power output. After you have adjusted your O2, according to the above, get some on the air quality checks. You should receive excellent reports, as the processor does not distort the audio in any way at these levels. I found my photo, it should make adjustments very simple for you. Just make sure your Bird 43P has a good 100H element, and your dummy load is truly 50 ohms. Good luck. 73 and Happy DXing, Mike W2AJI ------
> > >
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> > > -----Original Message-----
> > > From: ea7grd2003
> > > Sent: 3/4/2009 10:29:55 PM
> > > To: orion565@yahoogroups.com
> > > Subject: [orion565] Re: low power
> > > Tony.
> > > The power indicator is on 100.
> > > The system for measuring power is:
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> > > OrionII---------Bird----------Dummy load
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> > > --- In orion565@yahoogroups.com, "Tony Lelieveld" <ve3dwi@> wrote:
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> > > > Francisco,
> > > >
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> > > > measurement and does your power indicator at the top left corner on the
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> > > > and turn the multi knob until it shows 100 then try again. Just a
> > > > possibility.
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> > > > 73, Tony VE3DWI
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> > > > _____
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> > > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > > > Of ea7grd2003
> > > > Sent: March 4, 2009 14:54
> > > > To: orion565@yahoogroups.com
> > > > Subject: [orion565] Re: low power
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> > > >
> > > > Hi Mike.
> > > > 80 W in cw mode and less than 50W in ssb mode.

> > > > Bird wattmeter model is 43P, I've also used a wattmeter Diamond SX1000 and
> > > > measures are similar.
> > > > Thanks for your interest.
> > > > Francisco EA7GRD
> > > >
> > > > --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, Mike
> > > > Schatzberg <wow_chf@> wrote:
> > > > >
> > > > >
> > > > > Francisco:
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> > > > >
> > > > > Are you referring to the key down CW output of your O2, the maximum PEP
> > > > output of your O2 on SSB, or the average power output in SSB?
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> > > > > Is your Bird wattmeter a model 43 or 43P?
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> > > > > 73,
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> > > > > Mike
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> > > > > W2AJI
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> > > > > > To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> > > > > > From: ea7grd2003@
> > > > > > Date: Wed, 4 Mar 2009 18:42:09 +0000
> > > > > > Subject: [orion565] low power
> > > > > >
> > > > > > Hi.
> > > > > > I recently bought a orion II, although I am learning to manage.
> > > > > > The output power is low, only 50 w, measured with my Bird.
> > > > > > I think the ALC will not let go 100 w, any solution?
> > > > > > Thank you.
> > > > > > Francisco EA7GRD
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4949. Re: [orion565] com port settings for orion11

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-13 20:11:26 UTC
From: Martin
Topic: 4941 Message: 4949

57600, N, 8, 1, hardware handshake. Works.

73
Martin, OK1RR

Billy Cox napsal(a):
> As an example, N1MM uses 57600, N, 8, 1 and handshake,
> see if that will get you started there.
>
> 73 de Billy, AA4NU
>
> -----Original Message-----
>> From: Dave <gm6jua@...>
>> can someone please supply me with the com port settings to hook up the orion11 to my computer please,i would be much obliged as they don't seem to be written in the manual,or I'm just not finding them.
>> regards
>> Dave
>

4950. Re: [orion565] com port settings for orion11

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-13 21:51:12 UTC
From: Dick Williams
Topic: 4941 Message: 4950

Martin,

Thanks for the information; but how do you turn "handshake" on or off? That is not one of the options in either the Windows control panel nor in DXBase. Windows has three for flow control (OFF, HARDWARE, and Xon/Xoff). The setup in DXBase allows you to check DTR high, RTS high, and CTS.

The best I have found out so far is to check RTS High and CTS.

Dick K8ZTT

Orion uses "handshake" and to set that on. All fine and dandy, except "handshake" on/off is not one of the options in DXBase; and in the windows control panel it is not either (options are OFF, HARDWARE, or Xon/Xoff)

Dick K8ZTT
----- Original Message -----
From: Martin
To: orion565@yahoogroups.com
Sent: Friday, March 13, 2009 2:11 PM
Subject: Re: [orion565] com port settings for orion11

57600, N, 8, 1, hardware handshake. Works.

73
Martin, OK1RR

Billy Cox napsal(a):
> As an example, N1MM uses 57600, N, 8, 1 and handshake,
> see if that will get you started there.
>
> 73 de Billy, AA4NU
>
> -----Original Message-----
>> From: Dave <gm6jua@...>
>> can someone please supply me with the com port settings to hook up the orion11 to my computer please,i would be much obliged as they don't seem to be written in the manual,or I'm just not finding them.
>> regards
>> Dave
>

[Non-text portions of this message have been removed]

4951. Rig Remote Control

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-14 00:45:51 UTC
From: Brad
Topic: 4951 Message: 4951

About a month ago I asked a few questions about rig remote control via the internet.

Some folks were interested in how it could be done so I put together a tutorial about my scheme an posted it to www.w1nt.com

There is a link to the presentation in the green updates section on lower right of the main page.

Hopefully someone finds it useful.

Brad, W1NT

4952. Orion II Operating Manual

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-14 16:15:39 UTC
From: wv8bob
Topic: 4952 Message: 4952

Is there any where that I can find a downloadable operating manual for the Orion II.

Thanks

4955. Orion II Serial Number

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-14 21:45:50 UTC
From: wv8bob
Topic: 4955 Message: 4955

Does the serial number information tell the production date of the Orion II? If not, is there a quick way to get this information?

Thanks,
Bob

4956. Re: [orion565] Orion II Serial Number

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-14 22:01:27 UTC
From: Peter Frenning [OZ1PIF]
Topic: 4955 Message: 4956

wv8bob skrev:
> Does the serial number information tell the production date of the Orion II? If not, is there a quick way to get this information?
>
> Thanks,
> Bob
>
You'll find the answer here:
http://www.tentecwiki.org/doku.php?id=sn-decoding

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

4957. Re: [orion565] Orion II Serial Number

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-14 22:05:04 UTC
From: Alan Sewell N5NA
Topic: 4955 Message: 4957

http://www.tentecwiki.org/doku.php?id=sn-decoding

73,

Alan N5NA

http://www.tentecwiki.org

wv8bob wrote:
> Does the serial number information tell the production date of the Orion II? If not, is there a quick way to get this information?
>
> Thanks,
> Bob
>
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4958. RE: [orion565] Orion II Serial Number

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-14 22:34:45 UTC
From: Bob Martin
Topic: 4955 Message: 4958

Thanks for the info

Bob

From: orion565@yahoogroups.com
[mailto:orion565@yahoogroups.com] On Behalf Of Peter
Frenning [OZ1PIF]
Sent: Saturday, March 14, 2009 6:01 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion II Serial Number

wv8bob skrev:
> Does the serial number information tell the production
date of the Orion II? If not, is there a quick way to get
this information?
>
> Thanks,
> Bob
>
You'll find the answer here:
http://www.tentecwi
<http://www.tentecwiki.org/doku.php?id=sn-decoding>
ki.org/doku.php?id=sn-decoding

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning <http://www.frenning.dk/oz1pif.htm>
.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

4959. Re: Orion 565 (model 1) contrast issue & fix

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-15 12:36:28 UTC
From: pa1ap
Topic: 4911 Message: 4959

Greetings,

Learned through the manual that the backlight is provided by white LED's and that the -21 Volts is connected to a potmeter prior to connecting to the LCD contrast pin on the LCD module.

with the recent upgrade to release 2 I learned one has to adjust the contrast potmeter significantly in order to achieve good contrast coverage through the menu setting. The question is what changed between release 1 and release 2 and right now it seems the refresh rate changed, causing a different contrast setting combined with sharper resolution. This also means the lcd screen becomes more sensitive to spikes and hashed on the contrast input.

It might be worth to provide a "clean" -21 volts signal to the contrast input of the lcd screen. This would require a new dc-dc device to generate this voltage.

Is there somebody in the group with experience on LCD displays who can advice on this?

Thanks and best regards,
Onno pa1ap

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings,
>
> an update on the LCD contrast issue;
>
> after a few days of using I found that my original issue of diagonal contrast issue has disappeared completely. In my case the capacitor replacement did its job.
>
> I do see that there is still a difference between cold and warm status of the rig. It isn't that large anymore and if set correctly a good compromise can be set and left alone. To maintain perfect contrast I have to change about 3-5%.
>
> Perhaps there are two issues. One issue could be the leaky capacitors and another could be stability of the LCD screen / contrast.
>
> If you find diagonal contrast issue you might want to replace those capacitors. If its only lcd contrast stability its not proven the replacement makes a difference.
>
> Anyway, wish you all the best and have a nice day!
>
> Best regards, Onno pa1ap
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >

> > Greetings,
> >
> > I replaced them with the same type of capacitors with same rating. I did not make pictures of the replacement process but in summary;
> >
> > 0) disconnect the rig from power, make sure there is no way for the unit to start.....
> > 1) open the rig, bottom and top cover
> > 2) turn rig upside down, bottom to the top
> > 3) dc-dc converter board is at right corner, near the s-meter.. it is the smallest pcb board available.
> > 4) disconnect the backlight cable (small white cable connector)
> > 5) remove the pcb board by removing the four screws (philips type)
> > 6) carefully slide the pcb board (horizontal) to disconnect from the "backplane" connector to the left
> > 7) take your soldering iron and start replacing the capacitors
> > 8) put all back and see if that fixed the challenge as found.
> >
> > No warranty provided by the way.... It worked for me but that doesn't mean it will work for you. also take into account the polarity of the capacitors, especially c1 and c2 since they connect different then one would expect.
> >
> > It would be great if someone could capture the voltages and hash/spikes using a scope as well to compare notes. I have uploaded the pictures to the photo section.
> >
> > Also I got great help from Mike who figured this out and was very kind to share his experience with me.
> >
> > Hope this helps, Best regards, Onno pa1ap
> >
> >
> >
> > --- In orion565@...m, Adam Wade <espresso_doppio@> wrote:
> > >
> > >
> > > --- On Sun, 3/8/09, pa1ap <pa1ap@> wrote:
> > > From: pa1ap <pa1ap@>
> > > Subject: [orion565] Orion 565 (model 1) contrast issue & fix
> > > To: orion565@yahoogroups.com
> > > Date: Sunday, March 8, 2009, 1:48 AM
> > >
> > > > Through great help of Mike (W8TRN) I learned that the dc-dc
> > > > converter board (A9) might have some weak capacitors (aging or
> > > > something like that) and after a trip to the local electronic
> > > > shop I replace them. Just to make sure I replaced the following
> > > > capacitors (c1 & c2, c9, c6, c7).
> > >
> > > Did you replace them with components with the same rating as the stock ones? I'd be quite interested to know the spec of the capacitors you ended up using, and if you have any photos you took of the process, befpre/after, calling out the specific caps you replaced in a photo, etc., I'm sure I'm not the only one who would love to see them. ;)

> > >
> > > Thanks very much for sharing this with us. I have been living with the screen's behavior and working around it for the most part, but it sure would be nice to end up with the results that you got. :D And any excuse to open up expensive electronics and poke around inside... ;)
> > >
> > > ! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
> > > ! "I write down everything I want to remember. That way, instead !
> > > ! of spending a lot of time trying to remember what it is I wrote !
> > > ! down, I spend z time looking for the paper I wrote it down on." !
> > > ! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !
> > >
> >
>

4960. FS: **TWO vinyl dust covers $35.00 each shipped**

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-15 16:59:45 UTC
From: Stan
Topic: 4960 Message: 4960

Hi Gang.
I have added VINYL as a option for my covers. I made up two covers to show at a local swap meet.
Both are black and one has white lettering (with orange "O" between the two "T"'s and is for the Orion II. The other is a CLEAR fronted cover and will work with the Orion or II model (no lettering or logo on the clear fronted covers).
Price is $35.00 each. Please visit my website below for more info on my covers and lots of pictures of many of the different covers we make,logo's,colors,etc.

PLEASE CONTACT ME VIA my website: www.radiodustcovers.com OR direct at: stan @ radiodustcovers . com I will not respond to any post here on the group.

Take care, Stan W6ON

4961. ORION 566/AT S/N 02C10906

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-15 17:43:32 UTC
From: wv8bob
Topic: 4961 Message: 4961

Need a quick response to this posting if possible. I have an opportunity to purchase the subject Orion II for $3250. According to the serial number the production year is 2006 as i understand. This seems like a reasonible price for this rig. Does anyone have any thoughts?

Thanks

4962. Re: [orion565] ORION 566/AT S/N 02C10906

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-15 19:05:40 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 4961 Message: 4962

I would check to see what filters are installed, is there an auto tuner installed, what other installed options are included with the price. On a scale of 1-10 where does it fall ? To me, that price boarders on fair, for another $1k you could have a new one. At $2200 to $2500 that would be a better price (afterall, it's used).

Just my thoughts.
Sam
K3SAM

(I see it's an /AT, auto tuner included...)

From: wv8bob <bob.martin@...>
To: orion565@yahoogroups.com
Sent: Sunday, March 15, 2009 1:43:32 PM
Subject: [orion565] ORION 566/AT S/N 02C10906

Need a quick response to this posting if possible. I have an opportunity to purchase the subject Orion II for $3250. According to the serial number the production year is 2006 as i understand. This seems like a reasonible price for this rig. Does anyone have any thoughts?

Thanks

[Non-text portions of this message have been removed]

4964. RE: [orion565] ORION 566/AT S/N 02C10906

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-15 19:51:39 UTC
From: Bob Martin
Topic: 4961 Message: 4964

Thanks Tom

From: orion565@yahoogroups.com
[mailto:orion565@yahoogroups.com] On Behalf Of
catfishtwo@...
Sent: Sunday, March 15, 2009 3:49 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] ORION 566/AT S/N 02C10906

sounds like a good privce if it is in good shape, that is
less than what I
paid for my original orion a couple years ago. they are
super rigs

Tom

In a message dated 3/15/2009 10:43:55 A.M. Pacific Daylight
Time,
bob.martin@suddenli <mailto:bob.martin%40suddenlink.net>
nk.net writes:

Need a quick response to this posting if possible. I have an
opportunity to
purchase the subject Orion II for $3250. According to the
serial number the
production year is 2006 as i understand. This seems like a
reasonible price
for this rig. Does anyone have any thoughts?

Thanks

**********Need a job? Find employment help in your area.

(http://yellowpages.
<http://yellowpages.aol.com/search?query=employment_agencies
&ncid=emlcntusyelp00000005>
aol.com/search?query=employment_agencies&ncid=emlcntusyelp00
000005)

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4965. Orion II 566/AT (ALC Plug)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-15 23:41:03 UTC
From: wv8bob
Topic: 4965 Message: 4965

I'm in the process of buying an Orion II and I was looking at the rear panel in the operating manual and Ok, I'm not the brightest light bulb, but can someone tell me where the ALC connection is on the Orion II. Please tell me it has one. My SPE amp is not going to be very happy if it doesn't. I know I can control the drive with the RF power control, but I sure like for my amp to handle this job.

Thanks,
Bob

4967. Re: [orion565] Orion II 566/AT (ALC Plug)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-15 23:47:12 UTC
From: Billy Cox
Topic: 4965 Message: 4967

Bob,

There is NO ALC connection.

73 de Billy, AA4NU

-----Original Message-----
>From: wv8bob <bob.martin@...>
>I'm in the process of buying an Orion II and I was looking at the rear panel in the operating manual and Ok, I'm not the brightest light bulb, but can someone tell me where the ALC connection is on the Orion II. Please tell me it has one. My SPE amp is not going to be very happy if it doesn't. I know I can control the drive with the RF power control, but I sure like for my amp to handle this job.
>
>Thanks,
>Bob

4968. Re: [orion565] Orion II 566/AT (ALC Plug)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-16 00:05:37 UTC
From: James Streible
Topic: 4965 Message: 4968

Bob,

There is not one.
There is no need for one.
Keep the amp tuned and loaded properly
and you will never need one either.

Jim K4DLI

wv8bob wrote:
>
> I'm in the process of buying an Orion II and I was looking at the rear
> panel in the operating manual and Ok, I'm not the brightest light
> bulb, but can someone tell me where the ALC connection is on the Orion
> II. Please tell me it has one. My SPE amp is not going to be very
> happy if it doesn't. I know I can control the drive with the RF power
> control, but I sure like for my amp to handle this job.
>
> Thanks,
> Bob
>
>

4969. RE: [orion565] Orion II 566/AT (ALC Plug)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-16 00:00:44 UTC
From: Bob Martin
Topic: 4965 Message: 4969

Thanks for the reply. I am glad you are smart enough too
not over drive you Alpha. I am smart enough too, but it
only takes one stupid attack to realize just how smart I
really am. My amp is fully auto and with the ALC connected
it totally control the output drive no matter what is my be
set on the rig and I would prefer to use it, but if the OII
doesn't have one so be it. Thanks for the tip on the RF gain
control.

Bob

From: orion565@yahoogroups.com
[mailto:orion565@yahoogroups.com] On Behalf Of
catfishtwo@...
Sent: Sunday, March 15, 2009 7:46 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion II 566/AT (ALC Plug)

I never ever use an alc line, I did not know if my orion
does or does not
have an alc line. my alpha 87 a does not have an alc input.
and I never use
one any how, I am smart enough to not over drive my amp.
good luck, the orion
is a special radio, works very well. as a hint try it with
the volume all
the way up and use the rf gain as a level control, it lets
the if strip work
better.

Tom

In a message dated 3/15/2009 4:41:36 P.M. Pacific Daylight
Time,
bob.martin@suddenli <mailto:bob.martin%40suddenlink.net>
nk.net writes:

I'm in the process of buying an Orion II and I was looking
at the rear panel
in the operating manual and Ok, I'm not the brightest light
bulb, but can
someone tell me where the ALC connection is on the Orion II.
Please tell me it
has one. My SPE amp is not going to be very happy if it
doesn't. I know I can

control the drive with the RF power control, but I sure like
for my amp to
handle this job.

Thanks,
Bob

**********Need a job? Find employment help in your area.

(http://yellowpages.
<http://yellowpages.aol.com/search?query=employment_agencies
&ncid=emlcntusyelp00000005>
aol.com/search?query=employment_agencies&ncid=emlcntusyelp00
000005)

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4970. RE: [orion565] Orion II 566/AT (ALC Plug)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-16 00:06:20 UTC
From: Bob Martin
Topic: 4965 Message: 4970

Thanks for the info. That is amazing to me that as modern
as the OII is that it doesn't have an ALC feature. Oh well,
I guess if you have the best receiving radio on the market
what else could a fellow ask for, uh.

From: orion565@yahoogroups.com
[mailto:orion565@yahoogroups.com] On Behalf Of Billy Cox
Sent: Sunday, March 15, 2009 7:47 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion II 566/AT (ALC Plug)

Bob,

There is NO ALC connection.

73 de Billy, AA4NU

-----Original Message-----
>From: wv8bob <bob.martin@suddenli
<mailto:bob.martin%40suddenlink.net> nk.net>
>I'm in the process of buying an Orion II and I was looking
at the rear panel in the operating manual and Ok, I'm not
the brightest light bulb, but can someone tell me where the
ALC connection is on the Orion II. Please tell me it has
one. My SPE amp is not going to be very happy if it doesn't.
I know I can control the drive with the RF power control,
but I sure like for my amp to handle this job.
>
>Thanks,
>Bob

[Non-text portions of this message have been removed]

4971. RE: [orion565] Orion II 566/AT (ALC Plug)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-16 00:32:08 UTC
From: Adam Wade
Topic: 4965 Message: 4971

--- On Sun, 3/15/09, Bob Martin <bob.martin@...> wrote:
From: Bob Martin <bob.martin@...>
Subject: RE: [orion565] Orion II 566/AT (ALC Plug)
To: orion565@yahoogroups.com
Date: Sunday, March 15, 2009, 5:06 PM

> Thanks for the info. That is amazing to me that as modern
> as the OII is that it doesn't have an ALC feature.

Truth is, ALC does not work very well at containing transients that can cause serious damage; this is probably why it is not included. And in point of fact, when you commented that you'd rather have the amp handle things, you seem to have misunderstood how ALC works. It's the rig that turns its drive down when it receives indication via the ALC line that the amp is being overdriven; the amp just sends the signal to the xmtr, it's the xmtr that makes the changes.

Negative RF feedback works far better and more quickly. This is why no modern solid state rig that I know of uses ALC feedback from the PA to control drive level; they all AFAIK use negative RF feedback, which is commonly referred to as "foldback".

Most tube-type grounded-grid amps can easily be fitted with a negative RF feedback circuit. I did it to my Ameritron AL-811, along with a bunch of other protective mods (grid fusing, anode fusing, improved low-Q VHF parasitic suppressors), for very little money invested. It's well-known to "never" drive an 811-based grounded-grid amp with more than 70 watts or your tubes will not last any time at all, but I drive mine at 100W exciter drive without any splatter or overdrive; my signal is beautiful and without the large THD that typically comes from overdriving a PA. I have even used it for digital modes and no one can tell I am using an amp except for my signal strength. I highly recommend checking out and installing the kits from AG6K if you have a grounded-grid PA.

Just some thoughts on the subject. YMMV, and of course your PA may not use tubes, or be grounded grid.

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

4972. RE: [orion565] Orion II 566/AT (ALC Plug)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-16 00:45:33 UTC
From: Bob Martin
Topic: 4965 Message: 4972

I understand where you are coming from and I concur with most of what you say, but let me introduce you to my solid state amp that can totally control the drive output of the rig in a very safe and effective way. Check out this web site when time permits:

http://www.linear-amplifier.com/

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Adam Wade
Sent: Sunday, March 15, 2009 8:32 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Orion II 566/AT (ALC Plug)

--- On Sun, 3/15/09, Bob Martin <bob.martin@suddenli <mailto:bob.martin%40suddenlink.net> nk.net> wrote:
From: Bob Martin <bob.martin@suddenli <mailto:bob.martin%40suddenlink.net> nk.net>
Subject: RE: [orion565] Orion II 566/AT (ALC Plug)
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Date: Sunday, March 15, 2009, 5:06 PM

> Thanks for the info. That is amazing to me that as modern
> as the OII is that it doesn't have an ALC feature.

Truth is, ALC does not work very well at containing transients that can cause serious damage; this is probably why it is not included. And in point of fact, when you commented that you'd rather have the amp handle things, you seem to have misunderstood how ALC works. It's the rig that turns its drive down when it receives indication via the ALC line that the amp is being overdriven; the amp just sends the signal to the xmtr, it's the xmtr that makes the changes.

Negative RF feedback works far better and more quickly. This is why no modern solid state rig that I know of uses ALC feedback from the PA to control drive level; they all AFAIK use negative RF feedback, which is commonly referred to as "foldback".

Most tube-type grounded-grid amps can easily be fitted with a negative RF feedback circuit. I did it to my Ameritron AL-811, along with a bunch of other protective mods (grid

fusing, anode fusing, improved low-Q VHF parasitic suppressors), for very little money invested. It's well-known to "never" drive an 811-based grounded-grid amp with more than 70 watts or your tubes will not last any time at all, but I drive mine at 100W exciter drive without any splatter or overdrive; my signal is beautiful and without the large THD that typically comes from overdriving a PA. I have even used it for digital modes and no one can tell I am using an amp except for my signal strength. I highly recommend checking out and installing the kits from AG6K if you have a grounded-grid PA.

Just some thoughts on the subject. YMMV, and of course your PA may not use tubes, or be grounded grid.

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthing <http://www.allthings550.com> s550.com !

[Non-text portions of this message have been removed]

4973. Re: [orion565] Orion II 566/AT (ALC Plug)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-16 01:41:48 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 4965 Message: 4973

I agree. I am smart enough too that I have only hit my other Ameritron amps with 100w drive by mistake about 3 or 4 times. I got lucky that the amps were pretty much pre-tuned and no damage was done. Now that I own a REAL amp (Alpha 91b), I hope that doesn't happen again. It would be nice to have the ALC just in case I decide to be smart enough again. I believe the Alpha is protected enough to go into fault, however that quick burst of power could do some damage if the settings aren't close.

Sam

From: Bob Martin <bob.martin@...>
To: orion565@yahoogroups.com
Sent: Sunday, March 15, 2009 8:00:44 PM
Subject: RE: [orion565] Orion II 566/AT (ALC Plug)

Thanks for the reply. I am glad you are smart enough too
not over drive you Alpha. I am smart enough too, but it
only takes one stupid attack to realize just how smart I
really am. My amp is fully auto and with the ALC connected
it totally control the output drive no matter what is my be
set on the rig and I would prefer to use it, but if the OII
doesn't have one so be it. Thanks for the tip on the RF gain
control.

Bob

From: orion565@yahoogroup s.com
[mailto:orion565@yahoogroup s.com] On Behalf Of
catfishtwo@aol. com
Sent: Sunday, March 15, 2009 7:46 PM
To: orion565@yahoogroup s.com
Subject: Re: [orion565] Orion II 566/AT (ALC Plug)

I never ever use an alc line, I did not know if my orion
does or does not
have an alc line. my alpha 87 a does not have an alc input.
and I never use
one any how, I am smart enough to not over drive my amp.
good luck, the orion
is a special radio, works very well. as a hint try it with
the volume all
the way up and use the rf gain as a level control, it lets
the if strip work
better.

Tom

In a message dated 3/15/2009 4:41:36 P.M. Pacific Daylight
Time,
bob.martin@suddenli <mailto:bob. martin%40suddenl ink.net>
nk.net writes:

I'm in the process of buying an Orion II and I was looking
at the rear panel
in the operating manual and Ok, I'm not the brightest light
bulb, but can
someone tell me where the ALC connection is on the Orion II.
Please tell me it
has one. My SPE amp is not going to be very happy if it
doesn't. I know I can
control the drive with the RF power control, but I sure like
for my amp to
handle this job.

Thanks,
Bob

********** **Need a job? Find employment help in your area.

(http://yellowpages.
<http://yellowpages. aol.com/search? query=employment _agencies
&ncid=emlcntusyelp0 0000005>
aol.com/search? query=employment _agencies& ncid=emlcntusyel p00
000005)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4974. RE: [orion565] Orion II 566/AT (ALC Plug)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-16 01:53:46 UTC
From: Adam Wade
Topic: 4965 Message: 4974

--- On Sun, 3/15/09, Bob Martin <bob.martin@...> wrote:
From: Bob Martin <bob.martin@...>
Subject: RE: [orion565] Orion II 566/AT (ALC Plug)
To: orion565@yahoogroups.com
Date: Sunday, March 15, 2009, 5:45 PM

> I understand where you are coming from and I concur with
> most of what you say, but let me introduce you to my solid
> state amp that can totally control the drive output of the
> rig in a very safe and effective way.

That's a really nice amp. Wish I had one. :)

I am a bit confused from their docs on the website, though... It appears that they use a variety of protective monitors and devices internally, but they also seem to be indicating that an ALC connection is required to truly protect the amp from being overdriven.

I would contact the manufacturer of the amp and ask them what they would recommend, and if there really is a requirement for the amp to be connected to an ALC port on your transceiver. They don't have a manual onsite that I could find, just the advertising blurb about the amp and compliance certifications.

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

4975. Re: [orion565] Orion II 566/AT (ALC Plug)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-16 07:21:19 UTC
From: Peter Frenning [OZ1PIF]
Topic: 4965 Message: 4975

Adam Wade skrev:
> --- On Sun, 3/15/09, Bob Martin <bob.martin@...> wrote:
> From: Bob Martin <bob.martin@...>
> Subject: RE: [orion565] Orion II 566/AT (ALC Plug)
> To: orion565@yahoogroups.com
> Date: Sunday, March 15, 2009, 5:45 PM
>
>
>> I understand where you are coming from and I concur with
>> most of what you say, but let me introduce you to my solid
>> state amp that can totally control the drive output of the
>> rig in a very safe and effective way.
>>
The *obvious* alternative is to place an attenutor inside the the keyed circuit in the amplifier, that brings the drive level to the right level, that way you never forget to reduce your drive when you turn on the amp! AND you reduce the spikes which almost every modern rig turn out (some at the the 170W level)

I learned the hard way - now all my amplifiers (HF, 6m, 2m) are equipped with one.

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

4976. RE: [orion565] Orion II 566/AT (ALC Plug)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-16 09:58:38 UTC
From: Bob Martin
Topic: 4965 Message: 4976

I have looked through the manual for the amp and it shows that the orion can be control through the amp, but I am not sure just how. I suspect that it may be the CAT control connection. I have contacted the manufacturer for help. On SPE's web site click on the download on the left side and then click on the compliance III version to access other information including the user manual.

Bob

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Adam Wade
Sent: Sunday, March 15, 2009 9:54 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Orion II 566/AT (ALC Plug)

--- On Sun, 3/15/09, Bob Martin <bob.martin@suddenli <mailto:bob.martin%40suddenlink.net> nk.net> wrote:
From: Bob Martin <bob.martin@suddenli <mailto:bob.martin%40suddenlink.net> nk.net>
Subject: RE: [orion565] Orion II 566/AT (ALC Plug)
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Date: Sunday, March 15, 2009, 5:45 PM

> I understand where you are coming from and I concur with
> most of what you say, but let me introduce you to my solid
> state amp that can totally control the drive output of the
> rig in a very safe and effective way.

That's a really nice amp. Wish I had one. :)

I am a bit confused from their docs on the website, though... It appears that they use a variety of protective monitors and devices internally, but they also seem to be indicating that an ALC connection is required to truly protect the amp from being overdriven.

I would contact the manufacturer of the amp and ask them what they would recommend, and if there really is a requirement for the amp to be connected to an ALC port on your transceiver. They don't have a manual onsite that I could find, just the advertising blurb about the amp and compliance certifications.

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250
(Iris) !
! "I write down everything I want to remember. That way,
instead !
! of spending a lot of time trying to remember what it is I
wrote !
! down, I spend z time looking for the paper I wrote it down
on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthing
<http://www.allthings550.com> s550.com !

[Non-text portions of this message have been removed]

4977. another data modes question

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-16 18:22:58 UTC
From: Dave
Topic: 4977 Message: 4977

Hi agn to the group,
still highly impressed with the orion 11 , adio side now working very well tailored to my own voice,and now concentrating on using the accessory socket for data modes and finding some difference to previously owned radio's.
setup is as follows
computer souncard out to a small unit made by G3liv for isolating the radio from the computer connected to the 8 pin socket on the orion rear
this is where my problem starts.
previously the unit worked with all my radios,but now I have an audio in
from the computer to the orion problem.
the maximum power I can attain form the rig is 25 watts pep .
in the main menu I have setup user 2 as data modes via the aux setting for audio input, all filters are off ,all noise reduction is off, and with nearly full output from the soundcard and the orion output set to 50 watts I cannot get any higher output from the radio.
if i go to user 1 which is setup for the front microphone I get full power output from the radio.Does the radio require a very high audio input on the acc socket or am I missing something obvious??
regards
Dave

4978. Re: another data modes question

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-17 13:41:59 UTC
From: Dave
Topic: 4977 Message: 4978

Again many thanks for all help off reflector,problemm now sorted,
the problem was a faulty onboard sound card ,fitted new soundcard,disabled the on board one
hey presto fault fixed.
>

4979. RE: [orion565] Orion II 566/AT (ALC Plug)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-18 09:45:58 UTC
From: Adam Wade
Topic: 4965 Message: 4979

--- On Mon, 3/16/09, Bob Martin <bob.martin@...> wrote:
From: Bob Martin <bob.martin@...>
Subject: RE: [orion565] Orion II 566/AT (ALC Plug)
To: orion565@yahoogroups.com
Date: Monday, March 16, 2009, 2:58 AM

> I have looked through the manual for the amp and it shows
> that the orion can be control through the amp, but I am not
> sure just how. I suspect that it may be the CAT control
> connection.

I get the impression that it simply set up its output pi network pre-set and any input network settings based on the frequency polled from your Orion (assuming it speaks "Orion"), but the manual doesn't specify and the brochure implies that there may be direct amp control of the RF power output control on the Orion via the RS232 interface...

Hope the company can answer for you... Otherwise the attenuator sounds like a decent method of controlling things for proper drive. Of course, no worries about damaging the radio or the amp from overdrive, as it has plenty of internal self-diagnostic and failsafe strategies, and seems like it would be pretty hard to kill by accident (key-down into the wrong antenna, a bad piece of coax (within certain limits of immediate VSWR at key-down), and the like). Really, your main worry in overdriving that amp would seem to be nothing more than "splatter", if I am reading the manual correctly. So maybe just adjusting your TX power setting on the Orion will suffice, as there appears to be so little to worry about from the amp being somewhat overdriven.

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

4980. Re: Rig Remote Control

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-18 10:40:29 UTC
From: pa1ap
Topic: 4951 Message: 4980

Very useful and thank you so much for taking the time to document this!

best regards, Onno pa1ap

--- In orion565@yahoogroups.com, "Brad " <bradld@...> wrote:
>
> About a month ago I asked a few questions about rig remote control via the internet.
>
> Some folks were interested in how it could be done so I put together a tutorial about my scheme an posted it to www.w1nt.com
>
> There is a link to the presentation in the green updates section on lower right of the main page.
>
> Hopefully someone finds it useful.
>
> Brad, W1NT
>

4981. Poll results for orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-20 00:35:11 UTC
From: orion565@yahoogroups.com
Topic: 3087 Message: 4981

The following orion565 poll is now closed. Here are the
final results:

POLL QUESTION: What mode(s) do you use your Orion more
than 33% of the time (choose up to 3)?

CHOICES AND RESULTS
- Digital, 21 votes, 13.29%
- SSB, 70 votes, 44.30%
- CW, 60 votes, 37.97%
- AM, 6 votes, 3.80%
- FM, 1 votes, 0.63%

For more information about this group, please visit
http://groups.yahoo.com/group/orion565

For help with Yahoo! Groups, please visit
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html

4982. Power Source of my Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-20 22:36:45 UTC
From: wv8bob
Topic: 4982 Message: 4982

I just purchased an Orion II. I am getting reading to connect my power supply to the provided DC power cord that is provided with the radio. I have a concern that I must admit I have not given much thought to when connecting a Vdc radio to a Vdc power supply. Typically one would connect the + cable of the power supply to the + of the radio cable connector and - cable of the power supply to the - cable of the radio cable connector. Here is my silly question. I check the voltage from my power supply with my digital voltmeter and saw -13.8 volts. I connected my supplied radion power cord and rechecke the voltage and saw the same -13.8 volts on the meter. The manual says that I should have +13.8 Vdc nominal for 100 watts output power. The supply voltage can range from +12.8 to +15.0 Vdc but +13.8 Vdc is the optimum value. Of course if I reverse my cables I can get the + voltage described in the manual, but I am not + to + and - to -.

Help. I don't want to smoke my Orion II.

Thanks,
Bob

4983. RE: [orion565] Power Source of my Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-20 23:08:51 UTC
From: Tony Lelieveld
Topic: 4982 Message: 4983

Hi Bob,

First of all, make sure that you have the meter polarity hooked up properly to the power supply connection. If the meter + lead is connected to the power supply + lead (usually RED) the meter will show +13.8 or whatever its output is. Make SURE that the +positive of the PS is connected to the + positive of the radio again normally RED.

As for the 13.8 V, that is the voltage used by manufacturers to arrive at their equipment specifications.

I suggest that you connect the TenTec Orion II power cord FIRST to the power supply while it is DISCONNECTED from the radio. Then measure, with your meter leads at the proper polarity, right at the end of the plug to make sure the polarity is correct.

73, Tony VE3DWI

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of wv8bob
Sent: March 20, 2009 18:37
To: orion565@yahoogroups.com
Subject: [orion565] Power Source of my Orion II

I just purchased an Orion II. I am getting reading to connect my power supply to the provided DC power cord that is provided with the radio. I have a concern that I must admit I have not given much thought to when connecting a Vdc radio to a Vdc power supply. Typically one would connect the + cable of the power supply to the + of the radio cable connector and - cable of the power supply to the - cable of the radio cable connector. Here is my silly question. I check the voltage from my power supply with my digital voltmeter and saw -13.8 volts. I connected my supplied radion power cord and rechecke the voltage and saw the same -13.8 volts on the meter. The manual says that I should have +13.8 Vdc nominal for 100 watts output power. The supply voltage can range from +12.8 to +15.0 Vdc but +13.8 Vdc is the optimum value. Of course if I reverse my cables I can get the + voltage described in the manual, but I am not + to + and - to -.

Help. I don't want to smoke my Orion II.

Thanks,
Bob

[Non-text portions of this message have been removed]

4984. Re: Power Source of my Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-21 00:17:36 UTC
From: wv8bob
Topic: 4982 Message: 4984

Thanks Tony I knew I had my connections correct. I thought about my meter connection right after I submitted my posting, but I was working on a dryer installation and just got back to my computer and read your reply. The reason I suspected the meter was that my nephew was play with the meter today and he had switched the leads. Bless his little heart. He also turn my mic gain control off while I was working on making room for my Orion II and I looking for that problem everywhere in my audio chain because that was part of the equipment I had moved. Finally I connected my stock mic into the front of the radio and that's when I discovered the radio was causing the problem. I soon discovere is little deed. Thanks for the information anyway.

Bob

--- In orion565@yahoogroups.com, "Tony Lelieveld" <ve3dwi@...> wrote:
>
> Hi Bob,
>
> First of all, make sure that you have the meter polarity hooked up properly
> to the power supply connection. If the meter + lead is connected to the
> power supply + lead (usually RED) the meter will show +13.8 or whatever its
> output is. Make SURE that the +positive of the PS is connected to the +
> positive of the radio again normally RED.
>
> As for the 13.8 V, that is the voltage used by manufacturers to arrive at
> their equipment specifications.
>
>
>
> I suggest that you connect the TenTec Orion II power cord FIRST to the power
> supply while it is DISCONNECTED from the radio. Then measure, with your
> meter leads at the proper polarity, right at the end of the plug to make
> sure the polarity is correct.
>
>
>
> 73, Tony VE3DWI
>
>
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of wv8bob
> Sent: March 20, 2009 18:37
> To: orion565@yahoogroups.com
> Subject: [orion565] Power Source of my Orion II

>
>
>
> I just purchased an Orion II. I am getting reading to connect my power
> supply to the provided DC power cord that is provided with the radio. I have
> a concern that I must admit I have not given much thought to when connecting
> a Vdc radio to a Vdc power supply. Typically one would connect the + cable
> of the power supply to the + of the radio cable connector and - cable of the
> power supply to the - cable of the radio cable connector. Here is my silly
> question. I check the voltage from my power supply with my digital voltmeter
> and saw -13.8 volts. I connected my supplied radion power cord and rechecke
> the voltage and saw the same -13.8 volts on the meter. The manual says that
> I should have +13.8 Vdc nominal for 100 watts output power. The supply
> voltage can range from +12.8 to +15.0 Vdc but +13.8 Vdc is the optimum
> value. Of course if I reverse my cables I can get the + voltage described in
> the manual, but I am not + to + and - to -.
>
> Help. I don't want to smoke my Orion II.
>
> Thanks,
> Bob
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

4985. For Sale: INRAD 762 1 kHz Filter

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-23 06:40:34 UTC
From: Billy Cox
Topic: 4985 Message: 4985

For the original Orion ... goes in the
1.8 kHz slot and comes highly regarded:

http://users.vnet.net/btippett/inrad_.htm

From the INRAD site:

http://www.inrad.net/product.php?productid=206&cat=4&page=8

New is $80, this one is $45 plus shipping to US/Canada.

PayPal is OK or USPO Money Order.

73 de Billy, AA4NU

4986. For Sale: MicroKeyer Cable - Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-23 06:41:00 UTC
From: Billy Cox
Topic: 4986 Message: 4986

MicroHam cable for connecting the MicroKeyer series
interface with the original Orion.

http://www.microham-usa.com/Products/MK/Cables/DB37-TT-OR.pdf

New is $79, this one is $45 plus shipping to US/Canada.

PayPal is OK or USPO MO.

73 de Billy, AA4NU

4987. Monitor setting jumps

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-23 07:54:30 UTC
From: Martin
Topic: 4987 Message: 4987

Using my Orion in the BARTG contest this last weekend I was constantly plagued by an anoying jump in the monitor level. What I found was that having set a comfortable monitor level if I then adjusted the receiver audio level then on the next transmission the monitor volume would be at what sounded like maximum, a slight touch of the monitor level imediately dropped it back to the original level. This is a 565AT running 2.062a (I think) in FSK mode. Anybody else see this?

Martin, HS0ZED

Sent from mobile

[Non-text portions of this message have been removed]

4988. Re: [orion565] For Sale: INRAD 762 1 kHz Filter

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-23 11:05:56 UTC
From: Barry N1EU
Topic: 4985 Message: 4988

On Mon, Mar 23, 2009 at 2:40 AM, Billy Cox <aa4nu@...> wrote:
> For the original Orion ... goes in the
> 1.8 kHz slot and comes highly regarded:
>

Don't you really mean that it's a 600hz filter that goes in the 1Khz slot?

73,
Barry N1EU

4989. Re: Monitor setting jumps

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-23 15:27:56 UTC
From: cfr131
Topic: 4987 Message: 4989

--- In orion565@yahoogroups.com, Martin <msole@...> wrote:
>
> Using my Orion in the BARTG contest this last weekend I was constantly plagued by an anoying jump in the monitor level. What I found was that having set a comfortable monitor level if I then adjusted the receiver audio level then on the next transmission the monitor volume would be at what sounded like maximum, a slight touch of the monitor level imediately dropped it back to the original level. This is a 565AT running 2.062a (I think) in FSK mode. Anybody else see this?
>
> Martin, HS0ZED
>
>
> Sent from mobile
>
>
> [Non-text portions of this message have been removed]
>
I noticed the same behavor in SSB.

Tony WV7I

4990. MOX button on Orion 1?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-23 15:40:21 UTC
From: eduardomontana
Topic: 4990 Message: 4990

Hi all,
I have an Orion 1 with the hardware mod to version 2. I love the radio.
The only thing I can't do; which is usefull for me is to press a fron pannel button to transmit in SSB.
I know I could accomplish this many different ways; I don't like using VOX and I'd like to avoid any additional PTT.

Is there a button or can one be assigned to transmit while in SSB?
(ie: press it to transmit, press it again to receive?)

I'd guess by now you might realize that my style is closely related to that of a rag chewer ...

Any help, greatly appreciated!

VE3YZR.
Eduardo Montana.

4991. Re: [orion565] For Sale: INRAD 762 1 kHz Filter

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-23 15:57:42 UTC
From: Billy Cox
Topic: 4985 Message: 4991

Barry, is correct! DUH, I will correct the posting.

It is a 600 hz filter, that goes in the 1000 hz slot.

TU N1EU!

73 de Billy, AA4NU

-----Original Message-----
>From: Barry N1EU <barry.n1eu@...>
>Sent: Mar 23, 2009 7:05 AM
>To: orion565@yahoogroups.com
>Subject: Re: [orion565] For Sale: INRAD 762 1 kHz Filter
>
>On Mon, Mar 23, 2009 at 2:40 AM, Billy Cox <aa4nu@...> wrote:
>> For the original Orion ... goes in the
>> 1.8 kHz slot and comes highly regarded:
>>
>
>Don't you really mean that it's a 600hz filter that goes in the 1Khz slot?
>
>73,
>Barry N1EU
>
>
>------------------------------------
>
>
>Yahoo! Groups Links
>
>
>

4992. For Sale: INRAD #762 - 600 hz Filter

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-23 16:04:59 UTC
From: Billy Cox
Topic: 4992 Message: 4992

For the original Orion ... goes in the
1.0 kHz slot and comes highly regarded:

http://users.vnet.net/btippett/inrad_.htm

From the INRAD site:

http://www.inrad.net/product.php?productid=206&cat=4&page=8

New is $80, this one is $45 plus shipping to US/Canada.

PayPal is OK or USPO Money Order.

73 de Billy, AA4NU

4993. RE: [orion565] MOX button on Orion 1?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-23 16:07:06 UTC
From: John T. Fleming
Topic: 4990 Message: 4993

Eduardo,

Set the CW jack to PTT in the Menu under CW. Then you can use your key as a PTT switch. That is what I do for Field Day when I am using my head set and want to avoid VOX because of noise in the operating area.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of eduardomontana
Sent: Monday, March 23, 2009 11:40 AM
To: orion565@yahoogroups.com
Subject: [orion565] MOX button on Orion 1?

Hi all,
I have an Orion 1 with the hardware mod to version 2. I love the radio.
The only thing I can't do; which is usefull for me is to press a fron pannel button to transmit in SSB.
I know I could accomplish this many different ways; I don't like using VOX and I'd like to avoid any additional PTT.

Is there a button or can one be assigned to transmit while in SSB?
(ie: press it to transmit, press it again to receive?)

I'd guess by now you might realize that my style is closely related to that of a rag chewer ...

Any help, greatly appreciated!

VE3YZR.
Eduardo Montana.

[Non-text portions of this message have been removed]

4995. RE: [orion565] MOX button on Orion 1?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-23 17:51:39 UTC
From: Duane Calvin
Topic: 4990 Message: 4995

Connect a footswitch to either of you unused key inputs. That will put the rig into transmit.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of eduardomontana
Sent: Monday, March 23, 2009 10:40 AM
To: orion565@yahoogroups.com
Subject: [orion565] MOX button on Orion 1?

Hi all,
I have an Orion 1 with the hardware mod to version 2. I love the radio.
The only thing I can't do; which is usefull for me is to press a fron pannel button to transmit in SSB.
I know I could accomplish this many different ways; I don't like using VOX and I'd like to avoid any additional PTT.

Is there a button or can one be assigned to transmit while in SSB?
(ie: press it to transmit, press it again to receive?)

I'd guess by now you might realize that my style is closely related to that of a rag chewer ...

Any help, greatly appreciated!

VE3YZR.
Eduardo Montana.

Yahoo! Groups Links

4996. W2IHY 8 Band & EQ Plus Settings for Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-23 20:01:05 UTC
From: wv8bob
Topic: 4996 Message: 4996

Does anyone in the forum run the Orion II with the W2IHY 8 Band Equalizer and the EQ Plus. If so, would you share your settings with me. I just installed and I am trying to find a starting point.

Thanks,
Bob

4997. Filter Shape factors

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-23 23:05:00 UTC
From: Brad
Topic: 4997 Message: 4997

Does anyone know what the OII TT filter shape factors are?

Thanks,

Brad

4998. Re: [orion565] W2IHY 8 Band & EQ Plus Settings for Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-24 00:34:22 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 4996 Message: 4998

Bob, I run both pieces however the units should be set up for your voice. The settings I have are taylored to my voice but are as follows:

== 8band==
50 - +12
100 - 0
200 - -5
400 - -4
800 - -4
1600 - +4
2400 - +6
3200 - +14

==EQ Plus==
EQ = On
Bass - 12 O'Clock
Treble - 12 O'Clock

COMP/DE = On
Comp - 12 O'Clock
DE Level - 4 O'Clock (must be set to your surroundings)

Audio Input - 600 ohm w/Heil Gold Line
Mic Pwr - Off

GAIN - 1 O'Clock (your mic may vary)

EFFECTS - #1
Delay - 2 O'Clock
Level - 2 O'Clock

OUTPUT LEVEL - 2 O'Clock
==========

Julius has my setting on file, probably hasn't made his cheat sheet yet.

Watch your controls under the 8 bander, they are CRITICAL !

==========

I'm on 3.933 almost every early morning from around 1-2 AM until 6 AM. There are a bunch of us that run the W2IHY equipment in the Black Sheep Lounge. Stop by and someone will help you adjust the unit as it's almost impossible to do it yourself (can't hear yourself).

73,

Sam
K3SAM

From: wv8bob <bob.martin@...>
To: orion565@yahoogroups.com
Sent: Monday, March 23, 2009 4:01:05 PM
Subject: [orion565] W2IHY 8 Band & EQ Plus Settings for Orion II

Does anyone in the forum run the Orion II with the W2IHY 8 Band Equalizer and the EQ Plus. If so, would you share your settings with me. I just installed and I am trying to find a starting point.

Thanks,
Bob

[Non-text portions of this message have been removed]

4999. Re: [orion565] MOX button on Orion 1?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-24 00:40:52 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 4990 Message: 4999

I'd like to know the same thing about the ORION II. I'm use to having that button on my ICOM and was told by T*T that this is NOT supported ?¿

Thanks,
Sam
K3SAM

_____
From: eduardomontana <edmontana@...>
To: orion565@yahoogroups.com
Sent: Monday, March 23, 2009 11:40:21 AM
Subject: [orion565] MOX button on Orion 1?

Hi all,
I have an Orion 1 with the hardware mod to version 2. I love the radio.
The only thing I can't do; which is usefull for me is to press a fron pannel button to transmit in SSB.
I know I could accomplish this many different ways; I don't like using VOX and I'd like to avoid any additional PTT.

Is there a button or can one be assigned to transmit while in SSB?
(ie: press it to transmit, press it again to receive?)

I'd guess by now you might realize that my style is closely related to that of a rag chewer ...

Any help, greatly appreciated!

VE3YZR.
Eduardo Montana.

[Non-text portions of this message have been removed]

5000. Re: [orion565] MOX button on Orion 1?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-24 02:48:20 UTC
From: Todd (N0KMA)
Topic: 4990 Message: 5000

I use my CW key as PTT for my 5 dollar computer mic hooked up to the aux input. Don't know if that would work for you. If you have a computer in the shack you could run a serial cable to the Orion and use something like Ham Radio Deluxe which has a PTT button on it that will key the radio until it is clicked again. Or maybe homebrewing something that can be plugged into the CW jack on the front panel with a switch or button in it that can just be plugged in whenever needed. I kinda like that idea. I will head to the junk box store in the morning to see what i can come up with. I will keep you posted if interested.

Todd
N?KMA

Sam W. Jacobs, C.E.T. wrote:
>
>
> I'd like to know the same thing about the ORION II. I'm use to having
> that button on my ICOM and was told by T*T that this is NOT supported ??
>
> Thanks,
> Sam
> K3SAM
>
> _____
> From: eduardomontana <edmontana@...
> <mailto:edmontana%40prosontap.com>>
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Sent: Monday, March 23, 2009 11:40:21 AM
> Subject: [orion565] MOX button on Orion 1?
>
> Hi all,
> I have an Orion 1 with the hardware mod to version 2. I love the radio.
> The only thing I can't do; which is usefull for me is to press a fron
> pannel button to transmit in SSB.
> I know I could accomplish this many different ways; I don't like using
> VOX and I'd like to avoid any additional PTT.
>
> Is there a button or can one be assigned to transmit while in SSB?
> (ie: press it to transmit, press it again to receive?)
>
> I'd guess by now you might realize that my style is closely related to
> that of a rag chewer ...
>
> Any help, greatly appreciated!
>

> VE3YZR.
> Eduardo Montana.
>
> [Non-text portions of this message have been removed]
>
>

5001. RE: [orion565] MOX button on Orion 1?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-24 03:23:26 UTC
From: Duane Calvin
Topic: 4990 Message: 5001

How about a footswitch plugged into either the front or rear CW Key port.
Works FB. I use I tall the time.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
Of Sam W. Jacobs, C.E.T.
Sent: Monday, March 23, 2009 7:41 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] MOX button on Orion 1?

I'd like to know the same thing about the ORION II. I'm use to having that
button on my ICOM and was told by T*T that this is NOT supported ?¿

Thanks,
Sam
K3SAM

From: eduardomontana <edmontana@...>
To: orion565@yahoogroups.com
Sent: Monday, March 23, 2009 11:40:21 AM
Subject: [orion565] MOX button on Orion 1?

Hi all,
I have an Orion 1 with the hardware mod to version 2. I love the radio.
The only thing I can't do; which is usefull for me is to press a fron pannel
button to transmit in SSB.
I know I could accomplish this many different ways; I don't like using VOX
and I'd like to avoid any additional PTT.

Is there a button or can one be assigned to transmit while in SSB?
(ie: press it to transmit, press it again to receive?)

I'd guess by now you might realize that my style is closely related to that
of a rag chewer ...

Any help, greatly appreciated!

VE3YZR.
Eduardo Montana.

[Non-text portions of this message have been removed]

Yahoo! Groups Links

5003. Re: [orion565] MOX button on Orion 1?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-24 08:10:43 UTC
From: Adam Wade
Topic: 4990 Message: 5003

--- On Mon, 3/23/09, Todd (N0KMA) <n0kma@...> wrote:

From: Todd (N0KMA) <n0kma@...>
Subject: Re: [orion565] MOX button on Orion 1?
To: orion565@yahoogroups.com
Date: Monday, March 23, 2009, 7:48 PM

> I use my CW key as PTT

As do I. An inexpensive key with a shorting bar will prevent any necessity from holding the key down if you go that way. Personally, I'd like to have a PTT button that I could run inline with VOX, so that it would only key up with my voice when a foot switch or CW key was pressed, which would (IMHO) give me the best of both worlds. I could do that by using the VOX button above the display, but *I* would rather have it be external, or at least switchable between the on-panel button and an external switch.

Wish I could combine that with the MOX request... IT's pretty much two sides of the same coin in a lot of ways. Now if I can just get Ten-Tec to share the source code since they appear to no longer be updating the firmware on the 565... ;) (Perhaps I will have to beg via email for a while and see if I can get some files in exchange for no longer bugging tech with email requests... ;) ;) ;)

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

5004. Sub Receiver Frequency Range: 500 kHz-30 MHz

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-25 00:47:48 UTC
From: wv8bob
Topic: 5004 Message: 5004

The sub receiver range is consided to be General coverage ranging from a frequency range from 500 kHz to 30 MHz. However, I was trying to tune down below to aroun 1500khz and the sub receiver stop at 1790khz.
What am I doing wrong to get the sub receiver to cover the general range as descibed in the manual.

Another question relating to the sub receiver. How do I get the band pad on the upper right side of the front panel to work with the sub receiver.

Thanks,
Bob

5005. Re: [orion565] Sub Receiver Frequency Range: 500 kHz-30 MHz

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-25 04:39:16 UTC
From: Adam Wade
Topic: 5004 Message: 5005

From: wv8bob <bob.martin@...>
To: orion565@yahoogroups.com
Sent: Tuesday, March 24, 2009 5:47:48 PM
Subject: [orion565] Sub Receiver Frequency Range: 500 kHz-30 MHz

> The sub receiver range is consided to be General coverage
> ranging from a frequency range from 500 kHz to 30 MHz.
> However, I was trying to tune down below to around 1500khz
> and the sub receiver stop at 1790khz.

I'd be willing to bet that you have somethign else besides just the sub-receiver assigned to that VFO. The Amateur rcvr and xmtr both stop tuning down on 160m when you get to 1790 kHz.

Either deselect the TX on both VFOs or select TX and RX for the VFO that is NOT associated with the SUB RX (or vice versa, dependning on your viewpoint; I typically leave TX and RX on VFO A and SUB RX on VFO B), and you should be fine to tune your Orion down well below 1790 kHz. Mine appears to tune all the way down to 100.1 kHz.

> Another question relating to the sub receiver. How do I get the band pad on the upper right side of the front panel to work with the sub receiver.

Pree and hold the A/B button until the highlighted A (to the right of the MON button) changes to non-highlighted, and the non-highlighted B (to the right of the SP button) becomes highlighted. Then you can use the band change quick-change function of the band pad keys to quickly jump around on VFO B. Of course, you can always direct enter frequencies into either VFO, as they each have their own direct entry key.

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

5006. Re: Sub Receiver Frequency Range: 500 kHz-30 MHz

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-25 09:23:16 UTC
From: wv8bob
Topic: 5004 Message: 5006

Thanks Adam. I just totally overlooked the A/B button when I was looking at the front panel and the manual, duh.

Bob (WV0BOB)

--- In orion565@yahoogroups.com, Adam Wade <espresso_doppio@...> wrote:
>
>
> _____
> From: wv8bob <bob.martin@...>
> To: orion565@yahoogroups.com
> Sent: Tuesday, March 24, 2009 5:47:48 PM
> Subject: [orion565] Sub Receiver Frequency Range: 500 kHz-30 MHz
>
> > The sub receiver range is consided to be General coverage
> > ranging from a frequency range from 500 kHz to 30 MHz.
> > However, I was trying to tune down below to around 1500khz
> > and the sub receiver stop at 1790khz.
> I'd be willing to bet that you have somethign else besides just the sub-receiver assigned to that VFO. The Amateur rcvr and xmtr both stop tuning down on 160m when you get to 1790 kHz.
> Either deselect the TX on both VFOs or select TX and RX for the VFO that is NOT associated with the SUB RX (or vice versa, dependning on your viewpoint; I typically leave TX and RX on VFO A and SUB RX on VFO B), and you should be fine to tune your Orion down well below 1790 kHz. Mine appears to tune all the way down to 100.1 kHz.
> > Another question relating to the sub receiver. How do I get the band pad on the upper right side of the front panel to work with the sub receiver.
> Pree and hold the A/B button until the highlighted A (to the right of the MON button) changes to non-highlighted, and the non-highlighted B (to the right of the SP button) becomes highlighted. Then you can use the band change quick-change function of the band pad keys to quickly jump around on VFO B. Of course, you can always direct enter frequencies into either VFO, as they each have their own direct entry key.
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> ! down, I spend z time looking for the paper I wrote it down on." !
> ! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !
>

5007. Orion 565 - Can I use the band scope and analog meter on on the subreceiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-25 13:11:21 UTC
From: wd4pg
Topic: 5007 Message: 5007

Can I use the band scope and analog meter on on the sub-receiver? I can't seem to figure it out...

Thanks! 73 de WD4PG

5008. Re: [orion565] Orion 565 - Can I use the band scope and analog meter on on the subreceiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-25 14:09:11 UTC
From: Barry N1EU
Topic: 5007 Message: 5008

On Wed, Mar 25, 2009 at 9:11 AM, wd4pg <wd4pg@...> wrote:
> Can I use the band scope and analog meter on on the sub-receiver? I can't
> seem to figure it out...

No.

73,
Barry N1EU

5009. Re: [orion565] Orion 565 - Can I use the band scope and analog meter on on the subreceiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-25 17:54:59 UTC
From: Adam Wade
Topic: 5007 Message: 5009

From: wd4pg <wd4pg@...>
To: orion565@yahoogroups.com
Sent: Wednesday, March 25, 2009 6:11:21 AM
Subject: [orion565] Orion 565 - Can I use the band scope and analog meter on on the subreceiver?
> Can I use the band scope and analog meter on on the
> sub-receiver? I can't seem to figure it out...

Nope, those are connected directly to the main rcvr, AFAIK. Would be nice... But potentially very confusing, which is probably why they made it non-adjustable. Imagine if you switched it and forgot... No end of hair-tearing!

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
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5010. Orion - OT

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-25 18:42:16 UTC
From: w4ao
Topic: 5010 Message: 5010

Having trouble keying my Orion with MixW. Been off PSK for 4 yrs and have a new computer (XP), using a Rascal , all seems to be working OK except program doesn't key rig. Any help with settings would be appreciated.

Thanks, Lloyd W4AO

5011. RE: [orion565] Orion - OT

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-26 21:54:25 UTC
From: Larry Menzel
Topic: 5010 Message: 5011

Make sure that the sound card settings are correct for the microphone. I know with a microKEYER you have to select the correct sound card driver in Windows Control Panel/Audio.

Larry, W0PR

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of w4ao
Sent: Wednesday, March 25, 2009 1:42 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion - OT

Having trouble keying my Orion with MixW. Been off PSK for 4 yrs and have a new computer (XP), using a Rascal , all seems to be working OK except program doesn't key rig. Any help with settings would be appreciated.

Thanks, Lloyd W4AO

[Non-text portions of this message have been removed]

5012. Moderator wanted

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-27 13:23:00 UTC
From: Joe
Topic: 5012 Message: 5012

I think it is time to bring on a global moderator to this group. I've been running it for 5 1/2 years and it would be good to have a solid backup.
This moderator should be willing and capable to completely take over the group if I decide to step down.
If you are interested, DO NOT post your response/questions to the group, but email me directly.
I MAY consider posting your name/call to the group for feedback prior to any final decision.
73
Joe, WC4R

5014. External receiver for the Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-29 00:02:07 UTC
From: amfone20000
Topic: 5014 Message: 5014

Hello

Is there a way to hook up an external receiver with the Orion? That is to use the Orion as the transmitter and use an external receiver for the receiver. The Orion has a great receiver but I have been using it on AM phone, I get fantastic signal reports with excellent audio. I would like to hook up a NC 183D to use with the Orion when conditions are not crowded. Wonder if anyone has any ideas on this.

Thanks 73 Tim
WB8UHZ

5015. Re: External receiver for the Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-29 04:55:22 UTC
From: rbrunnquell
Topic: 5014 Message: 5015

--- In orion565@yahoogroups.com, "amfone20000" <amfone20000@...> wrote:
>
> Hello
>
> Is there a way to hook up an external receiver with the Orion? That is to use the Orion as the transmitter and use an external receiver for the receiver. The Orion has a great receiver but I have been using it on AM phone, I get fantastic signal reports with excellent audio. I would like to hook up a NC 183D to use with the Orion when conditions are not crowded. Wonder if anyone has any ideas on this.
>
> Thanks 73 Tim
> WB8UHZ
>
The N4PY Software for the Orion does this with some external receivers - not sure if it supports the NC 183D. The N4PY website is www.ralabs.com/n4py Carl the author of the software is pretty responsive to emails.
73, Roger K6OU

5016. Re: [orion565] Re: External receiver for the Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-29 11:57:08 UTC
From: Barry N1EU
Topic: 5014 Message: 5016

On Sun, Mar 29, 2009 at 4:55 AM, rbrunnquell <rbrunnquell@...> wrote:
> The N4PY Software for the Orion does this with some external receivers - not
> sure if it supports the NC 183D.

What CAT protocol does the NC 183D interface use?

Barry N1EU

5017. RE: [orion565] Re: External receiver for the Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-29 12:21:45 UTC
From: John T. Fleming
Topic: 5014 Message: 5017

Years ago I dreamt of a NC 183D. I could not afford it as a teenager. I think the protocol is human knob twisting! :-}

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Sunday, March 29, 2009 7:57 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: External receiver for the Orion

On Sun, Mar 29, 2009 at 4:55 AM, rbrunnquell <rbrunnquell@ <mailto:rbrunnquell%40yahoo.com> yahoo.com> wrote:
> The N4PY Software for the Orion does this with some external receivers - not
> sure if it supports the NC 183D.

What CAT protocol does the NC 183D interface use?

Barry N1EU

[Non-text portions of this message have been removed]

5018. Re: 715 RF speech processor

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-30 02:53:38 UTC
From: jddksk
Topic: 4925 Message: 5018

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> I'm just scratching my head here. You guys can't be using the same
> rig I'm using - Orion I with v1 firmware. This rig has THE best
> speech compressor I've ever encountered. It's almost magical how
> constant the ssb output power is maintained (my amp has LED peak
> output meter) while providing very pleasant compressed audio quality.
> And -20dB TX EQ rolls off the lows just the right amount for
> dx/contesting.
>
> 73,
> Barry N1EU
>
Barry
I'm with you why spend more money on something the Orion already has I don't get it?

73 Dave W6MQI

5019. General Coverage Transmit Mod

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-30 12:01:08 UTC
From: wv8bob
Topic: 5019 Message: 5019

I have no real need for it, but there are several HF rigs that have general coverage transmit mods out there. I have yet to see one for the Orion rig. Does one exist or is this a well keep secert? I know that Ten-Tec will do the MARS mod if you have the proper license.

Just curious,
Bob

5020. Re: General Coverage Transmit Mod

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-30 13:43:14 UTC
From: Dennis
Topic: 5019 Message: 5020

Howdy Bob. TO my knowledge, there is no general coverage mod for the Orion I or Orion II. I spoke with TT when I purchased my OII and they offered nothing due to the design of the radio. I use my OII for MARS work and it goes out of band enough to cover many of the frequencies that we use. A work around is to use Ham Radio Deluxe. It will take the OII to wherever you want to go - both receive and transmit. Hope this helps!

73, Dennis W5UV

--- In orion565@yahoogroups.com, "wv8bob" <bob.martin@...> wrote:
>
> I have no real need for it, but there are several HF rigs that have general coverage transmit mods out there. I have yet to see one for the Orion rig. Does one exist or is this a well keep secert? I know that Ten-Tec will do the MARS mod if you have the proper license.
>
> Just curious,
> Bob
>

5021. Re: General Coverage Transmit Mod

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-30 13:42:39 UTC
From: Dennis
Topic: 5019 Message: 5021

Howdy Bob. TO my knowledge, there is no general coverage mod for the Orion I or Orion II. I spoke with TT when I purchased my OII and they offered nothing due to the design of the radio. I use my OII for MARS work and it goes out of band enough to cover many of the frequencies that we use. A work around is to use Ham Radio Deluxe. It will take the OII to wherever you want to go - both receive and transmit. Hope this helps!

73, Dennis W5UV

--- In orion565@yahoogroups.com, "wv8bob" <bob.martin@...> wrote:
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> I have no real need for it, but there are several HF rigs that have general coverage transmit mods out there. I have yet to see one for the Orion rig. Does one exist or is this a well keep secert? I know that Ten-Tec will do the MARS mod if you have the proper license.
>
> Just curious,
> Bob
>

5022. RE: [orion565] Re: General Coverage Transmit Mod

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-30 14:24:40 UTC
From: Bob Martin
Topic: 5019 Message: 5022

That is really amazing to know about the Orion. I have used HDR for a long time, but never every thought about that. Is this true of other HF rigs or just the Orion? Who would have thought this? I was shocked when I discovered that you could totally open up some of the later models of the Ft1000MP and Mark V with a menu setting, but this floors me..

Thanks for the heads up.

Bob

_____

From: orion565@yahoogroups.com
[mailto:orion565@yahoogroups.com] On Behalf Of Dennis
Sent: Monday, March 30, 2009 9:43 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: General Coverage Transmit Mod

Howdy Bob. TO my knowledge, there is no general coverage mod for the Orion I or Orion II. I spoke with TT when I purchased my OII and they offered nothing due to the design of the radio. I use my OII for MARS work and it goes out of band enough to cover many of the frequencies that we use. A work around is to use Ham Radio Deluxe. It will take the OII to wherever you want to go - both receive and transmit. Hope this helps!

73, Dennis W5UV

--- In orion565@yahoogroup
<mailto:orion565%40yahoogroups.com> s.com, "wv8bob"
<bob.martin@...> wrote:
>
> I have no real need for it, but there are several HF rigs that have general coverage transmit mods out there. I have yet to see one for the Orion rig. Does one exist or is this a well keep secert? I know that Ten-Tec will do the MARS mod if you have the proper license.
>
> Just curious,
> Bob
>

[Non-text portions of this message have been removed]

5023. orion2 with hrd programme

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-30 15:03:52 UTC
From: Dave
Topic: 5023 Message: 5023

Hi,I am using hamradio deluxe with my radio and seem to have a strange fault,when using hrd to control the radio everything works fine,
if I start using dm780 for psk31 the programme works ok but keeps losing contact with the radio readout from the main programme and I have to reconnect the radio from the radio popup panel from within dm780
the main hamradio programme does not lose contact at any point with the radio.
I am using Vista 64bit operating system
regards
Dave

5024. Re: [orion565] Re: 715 RF speech processor

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-30 16:33:14 UTC
From: Billy Cox
Topic: 4925 Message: 5024

It's roughly the same difference as moving up from
a 500-600 watt amp to a 1500 watt amp on SSB, as the
#715 does raise the average power level on SSB.

73 de Billy, AA4NU

>--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>> I'm just scratching my head here. You guys can't be using the same
>> rig I'm using - Orion I with v1 firmware. This rig has THE best
>> speech compressor I've ever encountered. It's almost magical how
>> constant the ssb output power is maintained (my amp has LED peak
>> output meter) while providing very pleasant compressed audio quality.
>> And -20dB TX EQ rolls off the lows just the right amount for
>> dx/contesting.
>> 73,
>> Barry N1EU
>>
>Barry
> I'm with you why spend more money on something the Orion already has I don't get it?
>73 Dave W6MQI

5025. Re: [orion565] Re: 715 RF speech processor

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-30 17:15:10 UTC
From: Barry N1EU
Topic: 4925 Message: 5025

On Mon, Mar 30, 2009 at 12:33 PM, Billy Cox <aa4nu@...> wrote:
> It's roughly the same difference as moving up from
> a 500-600 watt amp to a 1500 watt amp on SSB, as the
> #715 does raise the average power level on SSB.
>

I've got a peak reading LED wattmeter and watching my Orion consistently drive maximum output throughout a spoken message with its native speech processor. Compression is already optimum. The meter doesn't lie. In this case, the 715 will yield an additional 0dB, not 4-5dB.

73,
Barry N1EU

5026. Re: [orion565] Re: 715 RF speech processor

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-30 17:23:34 UTC
From: Billy Cox
Topic: 4925 Message: 5026

Re-read what I stated ... AVERAGE ... I ran tests with
an Orion II and the same again with a FT1MP using an
average/peak wattmeter and watching the RF on a scope
... as I was very skeptical too at first.

I also compared the respective stock <internal> compressors
with and without the #715, the #715 still raised the average
power levels.

It's not magic, and only helps on SSB, but still, if one
can't run an amp, or enjoys QRP ... there could be value.

73 de Billy, AA4NU

-----Original Message-----
>> It's roughly the same difference as moving up from
>> a 500-600 watt amp to a 1500 watt amp on SSB, as the
>> #715 does raise the average power level on SSB.
>>
>I've got a peak reading LED wattmeter and watching my Orion
>consistently drive maximum output throughout a spoken message with its
>native speech processor. Compression is already optimum. The meter
>doesn't lie. In this case, the 715 will yield an additional 0dB, not
>4-5dB.
>
>73,
>Barry N1EU

5027. Re: [orion565] Re: 715 RF speech processor

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-30 17:31:38 UTC
From: Billy Cox
Topic: 4925 Message: 5027

One other note: I also used the same recorded waveform <via N1MM>
for all the testing to be sure that was a constant ... and remove
any of the "and NOW this is ANTENNA 2" types of variables. B-)

73 de Billy, AA4NU

-----Original Message-----
>Re-read what I stated ... AVERAGE ... I ran tests with
>an Orion II and the same again with a FT1MP using an
>average/peak wattmeter and watching the RF on a scope
>... as I was very skeptical too at first.
>
>I also compared the respective stock <internal> compressors
>with and without the #715, the #715 still raised the average
>power levels.
>
>It's not magic, and only helps on SSB, but still, if one
>can't run an amp, or enjoys QRP ... there could be value.
>
>73 de Billy, AA4NU
>
>-----Original Message-----
>>> It's roughly the same difference as moving up from
>>> a 500-600 watt amp to a 1500 watt amp on SSB, as the
>>> #715 does raise the average power level on SSB.
>>>
>>I've got a peak reading LED wattmeter and watching my Orion
>>consistently drive maximum output throughout a spoken message with its
>>native speech processor. Compression is already optimum. The meter
>>doesn't lie. In this case, the 715 will yield an additional 0dB, not
>>4-5dB.
>>
>>73,
>>Barry N1EU

5028. Re: [orion565] Re: 715 RF speech processor

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-30 18:17:25 UTC
From: Barry N1EU
Topic: 4925 Message: 5028

On Mon, Mar 30, 2009 at 1:23 PM, Billy Cox <aa4nu@...> wrote:
> Re-read what I stated ... AVERAGE ... I ran tests with
> an Orion II and the same again with a FT1MP using an
> average/peak wattmeter and watching the RF on a scope
> ... as I was very skeptical too at first.

I think they broke something in the v2 firmware and the 715 fixes it.

Seriously. I agree that the processor on my 1KMP was suboptimal.

73,
Barry N1EU

5029. Re: [orion565] Re: 715 RF speech processor

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-30 23:15:35 UTC
From: Adam Wade
Topic: 4925 Message: 5029

From: Billy Cox <aa4nu@...>
To: orion565@yahoogroups.com
Sent: Monday, March 30, 2009 9:33:14 AM
Subject: Re: [orion565] Re: 715 RF speech processor

> It's roughly the same difference as moving up from
> a 500-600 watt amp to a 1500 watt amp on SSB, as the
> #715 does raise the average power level on SSB.

I guess the twin questions are;

A) Does it do anything that the built-in speech processing on the 565 does NOT do?, and

B) Does it do anything that the built-in speech processing on the 566 does not do?

If it is (as I suspect) the same circuitry that is in the 566, and possibly the same that is in the 565, then spending money to have the same thing twice, to no useful benefit, would not be warranted. Now, if it had some advantage over the speech processing, whether used alone or in combination with, of the 565 or 566, then it would be a discussion point. Since I've found that it is quite possible to turn up the speech processing on the 565 "too high" and end up with worse copy on the receive end than with lesser settings, if itis the same circuitry as in the 565, I'd consider it money wasted since I already own a 715 (inside my 565!). If it can be used in conjunction with the 565's internal speech processing, or in place of the 565's speech processing, to better effect, than it might be worth buying.

YMMV.

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

5030. RE: [orion565] Re: 715 RF speech processor

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-30 23:50:28 UTC
From: Mike Schatzberg
Topic: 4925 Message: 5030

Hello Orion Fans:

The processor in the Orion II is a RF Compressor, not an RF Clipper. The advantage of the RF Compressor is that it avoids distortion while increasing the RMS average power output of the radio. The RF Clipper is highly effective in raising the average also, but at higher compression rates it will introduce some distortion.

The issue in the Orion II in my opinion has always been the adjustment of the compressor. It requires at least 15 dB of compression to begin to significantly raise the RMS average power. The Ten Tec instruction manual does not address the need to adequately drive the compressor with sufficient audio gain, and the ALC led is not a good indication of sufficient drive for the compressor.

I have posted on my website a method for adjustment of the compressor which will result in excellent audio quality, with a realistic gain in average power, which will be clearly heard on the receiving side.

Please visit here to view the adjustment procedure:

http://home.earthlink.net/~cherokeehillfarm/id2.html

73 and Happy DXing,

Mike

W2AJI

> To: orion565@yahoogroups.com
> From: espresso_doppio@...
> Date: Mon, 30 Mar 2009 16:15:35 -0700
> Subject: Re: [orion565] Re: 715 RF speech processor
>
>
> _____
> From: Billy Cox <aa4nu@...>
> To: orion565@yahoogroups.com
> Sent: Monday, March 30, 2009 9:33:14 AM
> Subject: Re: [orion565] Re: 715 RF speech processor
>
> > It's roughly the same difference as moving up from
> > a 500-600 watt amp to a 1500 watt amp on SSB, as the
> > #715 does raise the average power level on SSB.
>
> I guess the twin questions are;
>
> A) Does it do anything that the built-in speech processing on the 565 does NOT do?, and
>

> B) Does it do anything that the built-in speech processing on the 566 does not do?
>
> If it is (as I suspect) the same circuitry that is in the 566, and possibly the same that is in the 565, then spending money to have the same thing twice, to no useful benefit, would not be warranted. Now, if it had some advantage over the speech processing, whether used alone or in combination with, of the 565 or 566, then it would be a discussion point. Since I've found that it is quite possible to turn up the speech processing on the 565 "too high" and end up with worse copy on the receive end than with lesser settings, if itis the same circuitry as in the 565, I'd consider it money wasted since I already own a 715 (inside my 565!). If it can be used in conjunction with the 565's internal speech processing, or in place of the 565's speech processing, to better effect, than it might be worth buying.
>
> YMMV.
>
> ! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
> ! "I write down everything I want to remember. That way, instead !
> ! of spending a lot of time trying to remember what it is I wrote !
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> ! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !
>
>
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> ------------------------------------
>
>
> Yahoo! Groups Links
>
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>

[Non-text portions of this message have been removed]

5031. Model 311

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-31 13:55:32 UTC
From: jd_hudson@comcast.net
Topic: 5031 Message: 5031

Anyone have a model 311 band decoder they want to sell

73
John
KO4XJ
www.w4nja.org/ko4xj.htm
Sent from my Verizon Wireless BlackBerry

5032. which release 2 firmware are you using on 565 (orion 1)?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-31 18:13:20 UTC
From: pa1ap
Topic: 5032 Message: 5032

Greetings,

After going back and forth between release 1 and release 2 I finally landed on using 2056.

For the ones using release 2 on 565 (orion 1), could you share your findings? Which firmware do you prefer and do you notice agc clicks or am I the only one? Using the rig on 80 meters most of the time (ssb) with agc on slow or prog with duplicate of slow with small hang time and higher threshold to match band noise.

In my observation, versions after this (2057 and higher) introduce an agc click which can be best described as static noise when signals are loud combined with the volume knob at higher level. It also clearly shows on the audio FFT analyzer connected to the rig. I can upload audio pictures which clearly show the static overshoots. Its seems the later releases have an very aggressive AGC which can be made a little softer by introducing hang time combined with a low decay value... however it doesn't remove the static noise (clicking) sound completely.

And yes, I am also looking forward to the new release 2 software!

Thanks for advice and regards,
Onno pa1ap

5033. Re: which release 2 firmware are you using on 565 (orion 1)?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-31 19:32:37 UTC
From: pa1ap
Topic: 5032 Message: 5033

I have uploaded a document into the files section which contains the pictures illustrating the agc clipping and resulting distortion / harmonics.

best regards, Onno

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings,
>
> After going back and forth between release 1 and release 2 I finally landed on using 2056.
>
> For the ones using release 2 on 565 (orion 1), could you share your findings? Which firmware do you prefer and do you notice agc clicks or am I the only one? Using the rig on 80 meters most of the time (ssb) with agc on slow or prog with duplicate of slow with small hang time and higher threshold to match band noise.
>
> In my observation, versions after this (2057 and higher) introduce an agc click which can be best described as static noise when signals are loud combined with the volume knob at higher level. It also clearly shows on the audio FFT analyzer connected to the rig. I can upload audio pictures which clearly show the static overshoots. Its seems the later releases have an very aggressive AGC which can be made a little softer by introducing hang time combined with a low decay value... however it doesn't remove the static noise (clicking) sound completely.
>
> And yes, I am also looking forward to the new release 2 software!
>
> Thanks for advice and regards,
> Onno pa1ap
>

5034. Re: [orion565] which release 2 firmware are you using on 565 (orion 1)?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-03-31 20:41:41 UTC
From: Adam Wade
Topic: 5032 Message: 5034

From: pa1ap <pa1ap@...>
To: orion565@yahoogroups.com
Sent: Tuesday, March 31, 2009 11:13:20 AM
Subject: [orion565] which release 2 firmware are you using on 565 (orion 1)?

> For the ones using release 2 on 565 (orion 1), could you share
> your findings? Which firmware do you prefer

Haven't tried any others, though I might. I notice a number of annoying bugs and issues with 2.062a.

> and do you notice agc clicks or am I the only one?

No, they are quite clear. With AGC engaged, I can hear a click every time I shift the AF gain control with signal or noise above the AGC threshold on SSB, any band.

I need to read more of the archives from around the time that v2 came out and the various flaws found in each version, but I have significant problems with reception in AM mode (I do better receiving AM stations in either sideband mode, although I get great transmit audio reports ("Are you using a plate-modulated tube rig?")), and the built-in NR is next to useless for reducing noise but keeping intelligible voice data, often even at the lowest settings. I will look for further guidance and possible solutions in the archives so as not to re-hash old business (although I certainly would welcome on- or off-list info on either major issue I have with the runtime code in 2.062a (and possibly other versions).

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

5035. Question: RX Antennas and use of AGC/RF Gain....

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-01 01:34:07 UTC
From: Brad
Topic: 5035 Message: 5035

So I have about 8 different antennas I use for 106m and 80m. My typical behavior is to pick the best antenna for the conditions, etc. I am wondering how folks balance the adjustment of RF gain or AGC threshold given that different antennas can have different levels of noise, gain, etc (which would seem to need different AGC thresholds or RF gain settings to manage the noise levels)? To sum up my dilemma, I don't like fiddling with controls during a contest and am wondering how people handle this type of scenario given that different RX antennas can produce different levels of noise?

One thing for sure, my FT-1000D seems a lot easier for me to handle in this type of scenario. I have yet to use my OII in a contest for this reason and for the fact that I have to tweak RF gain or AGC threshold to manage noise when switching from band to band.

I guess the same question is applicable for those who may switch from a vertical to a dipole of a vertical to a beam - all generating different needs on RF gain AGC. This seems like a pain in the butt balancing act. Maybe I am missing something? I'd like to make the jump permanently to the OII but am stuck on the ease of use of the 1000D for my contesting. Any thoughts? Someone else must have been through this....

Thanks,

Brad

5036. Re: Question: RX Antennas and use of AGC/RF Gain....

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-01 01:36:49 UTC
From: Brad
Topic: 5035 Message: 5036

Should have said 160m. Sorry about that.

--- In orion565@...m, "Brad " <bradld@...> wrote:
>
> So I have about 8 different antennas I use for 106m and 80m. My typical behavior is to pick the best antenna for the conditions, etc. I am wondering how folks balance the adjustment of RF gain or AGC threshold given that different antennas can have different levels of noise, gain, etc (which would seem to need different AGC thresholds or RF gain settings to manage the noise levels)? To sum up my dilemma, I don't like fiddling with controls during a contest and am wondering how people handle this type of scenario given that different RX antennas can produce different levels of noise?
>
> One thing for sure, my FT-1000D seems a lot easier for me to handle in this type of scenario. I have yet to use my OII in a contest for this reason and for the fact that I have to tweak RF gain or AGC threshold to manage noise when switching from band to band.
>
> I guess the same question is applicable for those who may switch from a vertical to a dipole of a vertical to a beam - all generating different needs on RF gain AGC. This seems like a pain in the butt balancing act. Maybe I am missing something? I'd like to make the jump permanently to the OII but am stuck on the ease of use of the 1000D for my contesting. Any thoughts? Someone else must have been through this....
>
> Thanks,
>
> Brad
>

5037. Re: [orion565] Re: Question: RX Antennas and use of AGC/RF Gain....

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-01 01:50:34 UTC
From: N9ETD@AOL.COM
Topic: 5035 Message: 5037

Brad,
With all the different setting the AGC has to offer it's easy to be overwhelmed by the possibilities. I was at first and was constantly adjusting the AGC settings. But, I finally settled on some settings for slow, med, fast, and the programable positions which seem to give me good performance for many different conditons without having to make adjustments. If you're interested in those settings you can e-mail me directly and I can send you my numbers.
73, Craig N9ETD
**********A Good Credit Score is 700 or Above. See yours in just 2 easy steps!
(http://pr.atwola.com/promoclk/100126575x1220439616x1201372437/aol?redir=http:%2F%2Fwww.freecreditreport.com%2Fpm%2Fdefault.aspx%3Fsc%3D668072%26hmpgID%3D62%26bcd%3DfebemailfooterNO62)

[Non-text portions of this message have been removed]

5038. Optical encoder failure?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-01 07:50:10 UTC
From: Adam Wade
Topic: 5038 Message: 5038

I have a recent acquisition reman 565 from Ten-Tec as noted previously. From the time I received the rig, the MULTI knob has been balky -- sometimes not responding to incremental turns, sometimes jumping several steps ahead for each detent, and sometimes going a BACKWARD for a detent followed by a forward. This is random but fairly frequent; it's gotten a little worse over time, perhaps 20% of detents engaged resulting in something other than a single detent increment/decrement as commanded.

I have found recently that the MULTI knob has the momentary push feature the same as the other rotary encoders, but doesn't do anything; if I grasp the knob and manually pull it toward me while rotating the encoder, it seems to be 100% consistent in the correct response to detent inputs.
Is this an impending rotary encoder failure? Could it be a dirty encoder? Can they be cleaned, or is this simply a matter of replacing it? And which of the other encoders are the same, and which are different? I know the v2.x firmware required a replacement of the RE for the RIT control. Since I essentially never use RIT or XIT for much of anything, and rarely use the subreceiver (partly due to the fact that it is still flaky, and partly due to the fact that I seem to be able to get around just fine by simply switching between VFOs and using memory "channels" as needed), I could conceivably just swap out the RE from the Multi control to another, pretty much unused position on the panel if need be. Of course, looking at the work involved in gETTING to the REs to change them out, that would probably be a false economy in terms of labor.
I'll hunt the archives for further information on RE failure modes, but if anyone has additional input, I welcome it, on- or off-list (even if it's just a pointer to something I missed in the archives or on the web -- a search brings up a lot of info on the RIT RE replacement for v2 firmware, but so far I've not really found much else).
! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
! "I write down everything I want to remember. That way, instead !
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! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

5039. Re: Optical encoder failure?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-01 08:07:42 UTC
From: pa1ap
Topic: 5038 Message: 5039

Greetings,

Please check the wiki on ten-tec, there is a chapter on this issue and possible fixes. It sounds like the encoder is defective, certainly if the push function isn't working. The push button should work reliable.

You can test by changing a value in the menu to something extreme and then after pushing the multi knob for a couple of seconds (manual refers to 2 sec) the value should return to its default value. Example could be threshold within the AGC setting, move the selection to threshold (it will be highlighted), turn the multi knob and set value to 192 (or something like that)... then push multi knob for 2 second and it should return to 1 or 3 depending on software being used.

Of course you have to realize there is certain priority in the operating system. when you turn the VFO knob (high priority) the processor will not serve (poll) the other knobs until the VFO knob is stable again. It isnt possible to turn the VFO and at the same time change for example the filter bandwidth.

Perhaps best is to contact Ten-tec service and discuss sending a bunch of encoder switches and replace all of them at once. That is if you are comfortable replacing them yourself.

Apparently the previous owner used some force when pushing/pulling the knobs causing the encoders to behave eratic.

hope this helps, Onno pa1ap

--- In orion565@yahoogroups.com, Adam Wade <espresso_doppio@...> wrote:
>
>
> I have a recent acquisition reman 565 from Ten-Tec as noted previously. From the time I received the rig, the MULTI knob has been balky -- sometimes not responding to incremental turns, sometimes jumping several steps ahead for each detent, and sometimes going a BACKWARD for a detent followed by a forward. This is random but fairly frequent; it's gotten a little worse over time, perhaps 20% of detents engaged resulting in something other than a single detent increment/decrement as commanded.
>
> I have found recently that the MULTI knob has the momentary push feature the same as the other rotary encoders, but doesn't do anything; if I grasp the knob and manually pull it toward me while rotating the encoder, it seems to be 100% consistent in the correct response to detent inputs.
> Is this an impending rotary encoder failure? Could it be a dirty encoder? Can they be cleaned, or is this simply a matter of replacing it? And which of the other encoders are the same, and which are different? I know the v2.x firmware required a replacement of the RE for the RIT control. Since I essentially never use RIT or XIT for much of anything, and rarely use the subreceiver (partly due to the fact that it is still flaky, and partly due to the fact that I seem to be able to get around just fine by simply switching between VFOs and using memory "channels" as needed), I could conceivably just swap out the RE from the

Multi control to another, pretty much unused position on the panel if need be. Of course, looking at the work involved in gETTING to the REs to change them out, that would probably be a false economy in terms of labor.
> I'll hunt the archives for further information on RE failure modes, but if anyone has additional input, I welcome it, on- or off-list (even if it's just a pointer to something I missed in the archives or on the web -- a search brings up a lot of info on the RIT RE replacement for v2 firmware, but so far I've not really found much else).
> ! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
> ! "I write down everything I want to remember. That way, instead !
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> ! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !
>

5040. Re: [orion565] Optical encoder failure?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-01 11:39:14 UTC
From: John Huffman
Topic: 5038 Message: 5040

Adam -

Check the Ten Tec Wiki for the articles on the RIT encoder problems. Turns out to be connectors that go to the display board. Reseating the connectors, bending pins, cures that problem and may cure yours. Costs nothing to try.

73 de K1ESE
John

Adam Wade wrote:
>
>
> I have a recent acquisition reman 565 from Ten-Tec as noted
> previously. From the time I received the rig, the MULTI knob has been
> balky -- sometimes not responding to incremental turns, sometimes
> jumping several steps ahead for each detent, and sometimes going a
> BACKWARD for a detent followed by a forward. This is random but fairly
> frequent; it's gotten a little worse over time, perhaps 20% of detents
> engaged resulting in something other than a single detent
> increment/decrement as commanded.
>
> I have found recently that the MULTI knob has the momentary push
> feature the same as the other rotary encoders, but doesn't do
> anything; if I grasp the knob and manually pull it toward me while
> rotating the encoder, it seems to be 100% consistent in the correct
> response to detent inputs.
> Is this an impending rotary encoder failure? Could it be a dirty
> encoder? Can they be cleaned, or is this simply a matter of replacing
> it? And which of the other encoders are the same, and which are
> different? I know the v2.x firmware required a replacement of the RE
> for the RIT control. Since I essentially never use RIT or XIT for much
> of anything, and rarely use the subreceiver (partly due to the fact
> that it is still flaky, and partly due to the fact that I seem to be
> able to get around just fine by simply switching between VFOs and
> using memory "channels" as needed), I could conceivably just swap out
> the RE from the Multi control to another, pretty much unused position
> on the panel if need be. Of course, looking at the work involved in
> gETTING to the REs to change them out, that would probably be a false
> economy in terms of labor.
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> but if anyone has additional input, I welcome it, on- or off-list
> (even if it's just a pointer to something I missed in the archives or
> on the web -- a search brings up a lot of info on the RIT RE
> replacement for v2 firmware, but so far I've not really found much else).
> ! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !

> ! "I write down everything I want to remember. That way, instead !
> ! of spending a lot of time trying to remember what it is I wrote !
> ! down, I spend z time looking for the paper I wrote it down on." !
> ! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com
> <http://www.allthings550.com> !
>
>

5041. RE: [orion565] Optical encoder failure?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-01 14:00:58 UTC
From: John T. Fleming
Topic: 5038 Message: 5041

All that is needed to fix the problem "for a while" is to apply pressure to the front of the case between the sweep button and the LCD display. That is enough flexing to make the connection of the marginal connector between the encoder board and the CPU board good again. The problem pins and connector are located by the sweep button. Ten-Tec evidently got a batch of marginal connectors when building a run of the radio and with age, the oxidation becomes a problem. It is a major challenge to change the connector.

73,

John

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John Huffman
Sent: Wednesday, April 01, 2009 7:39 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Optical encoder failure?

Adam -

Check the Ten Tec Wiki for the articles on the RIT encoder problems. Turns out to be connectors that go to the display board. Reseating the connectors, bending pins, cures that problem and may cure yours. Costs nothing to try.

73 de K1ESE
John

Adam Wade wrote:
>
>
> I have a recent acquisition reman 565 from Ten-Tec as noted
> previously. From the time I received the rig, the MULTI knob has been
> balky -- sometimes not responding to incremental turns, sometimes
> jumping several steps ahead for each detent, and sometimes going a
> BACKWARD for a detent followed by a forward. This is random but fairly
> frequent; it's gotten a little worse over time, perhaps 20% of detents
> engaged resulting in something other than a single detent
> increment/decrement as commanded.
>
> I have found recently that the MULTI knob has the momentary push
> feature the same as the other rotary encoders, but doesn't do
> anything; if I grasp the knob and manually pull it toward me while
> rotating the encoder, it seems to be 100% consistent in the correct
> response to detent inputs.

> Is this an impending rotary encoder failure? Could it be a dirty
> encoder? Can they be cleaned, or is this simply a matter of replacing
> it? And which of the other encoders are the same, and which are
> different? I know the v2.x firmware required a replacement of the RE
> for the RIT control. Since I essentially never use RIT or XIT for much
> of anything, and rarely use the subreceiver (partly due to the fact
> that it is still flaky, and partly due to the fact that I seem to be
> able to get around just fine by simply switching between VFOs and
> using memory "channels" as needed), I could conceivably just swap out
> the RE from the Multi control to another, pretty much unused position
> on the panel if need be. Of course, looking at the work involved in
> gETTING to the REs to change them out, that would probably be a false
> economy in terms of labor.
> I'll hunt the archives for further information on RE failure modes,
> but if anyone has additional input, I welcome it, on- or off-list
> (even if it's just a pointer to something I missed in the archives or
> on the web -- a search brings up a lot of info on the RIT RE
> replacement for v2 firmware, but so far I've not really found much else).
> ! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
> ! "I write down everything I want to remember. That way, instead !
> ! of spending a lot of time trying to remember what it is I wrote !
> ! down, I spend z time looking for the paper I wrote it down on." !
> ! - Beryl Pfizer -=- AF6ME -=- http://www.allthing
<http://www.allthings550.com> s550.com
> <http://www.allthing <http://www.allthings550.com> s550.com> !
>
>

[Non-text portions of this message have been removed]

5042. Re: [orion565] Optical encoder failure?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-01 14:37:47 UTC
From: Bert Beyt
Topic: 5038 Message: 5042

The encoders on the Orion front panel are not like normal potentiometers which have a shaft protuuding through the front panel which is connected to a wiper. These little encoders are two separate pieces, the shaft is not connected to the body. If you open the rig and drop the front panel, you will find the knobs and their shafts remain on the front panel, and the body of the encoders are on a small pc boards; two separate parts not mechanicaly connected.
So I think your problem is typical of Orion encoders that do not work properly. The space between the knob and its shaft is not set correctly to the encoder body. This is probably best adjusted by the Ten Tec service department. I had my Orion One all apart trying to adjust my RIT/XIT encoder, and was unable to get it set until I sent it back to TT.
Good luck.
Bert W5ZR

On Apr 1, 2009, espresso_doppio@... wrote:

I have a recent acquisition reman 565 from Ten-Tec as noted previously. From the time I received the rig, the MULTI knob has been balky -- sometimes not responding to incremental turns, sometimes jumping several steps ahead for each detent, and sometimes going a BACKWARD for a detent followed by a forward. This is random but fairly frequent; it's gotten a little worse over time, perhaps 20% of detents engaged resulting in something other than a single detent increment/decrement as commanded.

I have found recently that the MULTI knob has the momentary push feature the same as the other rotary encoders, but doesn't do anything; if I grasp the knob and manually pull it toward me while rotating the encoder, it seems to be 100% consistent in the correct response to detent inputs.

Is this an impending rotary encoder failure? Could it be a dirty encoder? Can they be cleaned, or is this simply a matter of replacing it? And which of the other encoders are the same, and which are different? I know the v2.x firmware required a replacement of the RE for the RIT control. Since I essentially never use RIT or XIT for much of anything, and rarely use the subreceiver (partly due to the fact that it is still flaky, and partly due to the fact that I seem to be able to get around just fine by simply switching between VFOs and using memory "channels" as needed), I could conceivably just swap out the RE from the Multi control to another, pretty much unused position on the panel if need be. Of course, looking at the work involved in gETTING to the REs to change them out, that would probably be a false economy in terms of labor.

I'll hunt the archives for further information on RE failure modes, but if anyone has additional input, I welcome it, on- or off-list (even if it's just a pointer to something I missed in the archives or on the web -- a search brings up a lot of info on the RIT RE replacement for v2 firmware, but so far I've not really found much else).

! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !

! "I write down everything I want to remember. That way, instead !

! of spending a lot of time trying to remember what it is I wrote !

! down, I spend z time looking for the paper I wrote it down on." !

! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !

5043. Re: 715 RF speech processor

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-01 19:01:25 UTC
From: w0ewm
Topic: 4925 Message: 5043

--- In orion565@yahoogroups.com, Billy Cox <aa4nu@...> wrote:
>
> It's roughly the same difference as moving up from
> a 500-600 watt amp to a 1500 watt amp on SSB, as the
> #715 does raise the average power level on SSB.
>
> 73 de Billy, AA4NU

The speech processing in the Orion 565 V1 code and V2 code generates
very close to a 6dB increase in the average power with speech. I posted the following
post on the Ten-Tec reflector. By the way, the ALC light is rather meaningless when
the compression is turned on. On the air tests have verified
that the speech quality, even at settings of 8 or 9,
is very good. All tests were run with the CW key-down power set to
39W. The SSB peak power was 39W with the average power measured at
26W in one case and 31W in the other case. Any processing above this
level would begin to cause significant loss of speech intelligibility.
Summary, the Orion 565 V1 and V2 speech processing is just outstanding!
(Early V2 code versions had problems)

I ran tests on the Speech Processing effectiveness of the V1 and V2 code from
the Orion on 29 May 2007. The results are below. It will be interesting to see
how the results could be any better with an external compressor - of course you
can turn down/off the internal Orion compression, greatly reduce the mike gain
or even change the speech compression code.

Doug Smith, the major author of the V1 DSP code, wrote the following about the
speech compression in the Orion:

"It might seem funny but in a DSP transmitter, it is relatively easy to compute
the transmitter's RF envelope before the modulation is even performed! That, in
turn, makes it possible to preprocess the audio applied to the modulator to get
exactly the same effect as that produced by an RF compressor. See Fig 5.
Post-modulation band-pass filtering maintains the desired occupied bandwidth.
As the decay time of the compressor is decreased, an RF compressor approaches
the behavior of an RF clipper, long known to be the most effective form of
speech processing for SSB. In combination with the Orion's transmit equalizer,
results are quite dramatic.
The reason RF compressors and clippers are so effective is that they increase
the average power transmitted. Human voices tend to have high peak-to-average
power ratios-- as high as 15 dB. That means a transmitter whose peak envelope
power is limited to 100 W may achieve an average power of as little as 3 W.
Under such conditions, the Orion's RF compressor may add 10 dB or more to the

average power, equivalent to a ten-fold increase in output power. The speech processor achieves this goal without introducing the kind of distortion that harms intelligibility, such as that created by heavy audio compression or clipping.

Text of Previous message on Orion SP testing:
Text from previous note
http://lists.contesting.com/archives//html/TenTec/2007-05/msg00478.html :

Although the Orion V2 code still has some problems/issues with performance, one area that appears to have been addressed in the V2.06X releases is the speech processing performance. Earlier versions of the V2 code suffered from a combination of audio distortion and weak, if any, compression. The V2.06X releases clearly sound like the distortion has been addressed and that the compression is much improved. I recently bought an LP-100 Digital Vector RF Wattmeter from Larry (N8LP) http://www.telepostinc.com/lp100.html . Among the many functions provided in the LP-100, Larry recently added new code to allow the user to measure the "effective audio compression" of a transceiver. The technique uses an audio test tone pattern (the one I used had a 1KHz tone with alternate 50MS time segments with the levels 20db apart).
The RF power meter samples the power level 40,000/second to generate average value. I used an "audio sound power meter" to measure the audio level of my voice calling DX and then used the sound power meter to set the test tone to the same level (Using a single level tone) into the microphone.

I tested the V2.062a code and got the following results:

Proc Setting - Audio Result - RF Result Average Power
Off Slight Expansion ~8W
1-4 Close to no compression ~9-10W
5 ~5dB Compression ~12W
6 ~5-10dB Compression ~13W
7 ~10dB Compression ~16W
8 ~10-15dB Compression ~20W
9 ~15-20dB Compression ~26W

I tested the V1.373b5 code and got the following results:

Proc Setting - Audio Result - RF Result Average Power
Off Slight Expansion ~8W
1 - 4 Close to No Compression ~9-10W
5 ~5dB Compression ~12W
6 ~5-10dB Compression ~14W
7 ~10dB Compression ~17W
8 ~10-15dB Compression ~24W
9 ~15-20dB Compression ~31W

In all cases the peak power stayed very close to 39W - which is what I use to drive my Alpha 87A to 1500W peak output.

As you can see from the results they track very closely - so closely that they almost look like the same algorithm! There is a slight difference at the 9th level on the Speech Processing but it is very minor (And might be altered if the mike gain were increased). At a Speech processing level of 7 the talk power is doubled from the level with the Speech Processing off. At the 9th level there is roughly a 6dB (1 S-Unit) improvement in the talk power of the rig. I usually stop at eight but there is no audio "background noise level increase even at 9 (Maybe a very little hum). The audio sounds very good in the monitor and the quality was verified by a friend. The talk power improvement is very important in trying to work SSB DX.

I think the Orion V1 code has the best Speech Compression I have ever seen in an HF radio and now it appears that the V2 code matches it! Thanks Ten-Tec!
73, Merle - W0EWM

_____
TenTec mailing list
TenTec@...

5044. Re: [orion565] Re: 715 RF speech processor

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-01 22:03:02 UTC
From: Adam Wade
Topic: 4925 Message: 5044

Thanks for posting this, Merle. IT answers a lot of general questions I had about the speech processor, and it's very much appreciated!

! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- http://www.allthings550.com !

5045. Re: [orion565] Optical encoder failure?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-01 23:17:30 UTC
From: Adam Wade
Topic: 5038 Message: 5045

From: John T. Fleming <john@...>
To: orion565@yahoogroups.com; espresso_doppio@...
Sent: Wednesday, April 1, 2009 7:00:58 AM
Subject: RE: [orion565] Optical encoder failure?

> All that is needed to fix the problem "for a while" is to apply
> pressure to the front of the case between the sweep button and
> the LCD display.

I'll be doggone if that didn't take care of it! Of course, it caused another problem -- now the pushbutton action for the H/L cut control doesn't switch between the two. ;) I only ever use low cut anyway, preferring the BW knob for changing the high cutoff, so I can live with that. ;)

> That is enough flexing to make the connection of the marginal
> connector between the encoder board and the CPU board good again.
> The problem pins and connector are located by the sweep button.
> Ten-Tec evidently got a batch of marginal connectors when build-
> ing a run of the radio and with age, the oxidation becomes a
> problem. It is a major challenge to change the connector.

A little disappointing that it arrived with this problem direct from Ten-Tec upon purchase, but it sounds like ti may well have checked okay on the bench and had the marginal issue become "visible" after handling during the shipping process.

If I go to the trouble of completely disassembling the front face of the radio once things get to be too much of a pain to tolerate any longer, will something like using DeOxIT products on the connector be sufficient to clean and protect the contact surfaces for another bunch of years, or is something more drastic required like replacing the connector?

I'm glad that it isn't a dying encoder, altohugh they might actually be cheaper than I imagine they are. :)

Many thanks to all who replied and made suggestions! If I have future failures and they turn out to NOT be oxidation, I definitely have a list of good things to look at and try. I'd rather have too many diagnostic options than not enough!

! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
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! - Beryl Pfizer -=- http://www.allthings550.com !

5046. New moderators

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-02 12:34:37 UTC
From: Joe
Topic: 5046 Message: 5046

Thank you to all who offered their service as a moderator for this group. I have decided to bring aboard two moderators to our group. They are Mike, W2AJI and Dave, KM4BS.

They are both Orion lovers and have given much to the betterment of our group. Look them up on QRZ and see their great stations. Mike's web site is at http://home.earthlink.net/~cherokeehillfarm/id2.html

Please welcome them in their new capacity.

Nothing is planned to change with this group. The members have done all the work and have kept it a clean, highly useful support area.

73, Joe-WC4R

5048. Re: [orion565] New moderators

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-02 23:32:20 UTC
From: Roger Brunnquell
Topic: 5046 Message: 5048

Just a note of thanks to you Joe for a job well done.
73,
Roger K6OU

--- On Thu, 4/2/09, Joe <joe@...> wrote:

From: Joe <joe@...>
Subject: [orion565] New moderators
To: orion565@yahoogroups.com
Date: Thursday, April 2, 2009, 5:34 AM

Thank you to all who offered their service as a moderator for this group. I have decided to bring aboard two moderators to our group. They are Mike, W2AJI and Dave, KM4BS.

They are both Orion lovers and have given much to the betterment of our group. Look them up on QRZ and see their great stations. Mike's web site is at
http://home. earthlink. net/~cherokeehil lfarm/id2. html

Please welcome them in their new capacity.

Nothing is planned to change with this group. The members have done all the work and have kept it a clean, highly useful support area.

73, Joe-WC4R

[Non-text portions of this message have been removed]

5049. Junker key

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-04 00:02:22 UTC
From: larry_draughn
Topic: 5049 Message: 5049

Need some help, I'm having trouble with my new bought Junker key working on the front panel cw input, what am I missing. I have a paddle on the rear input and everything works OK and with internal keyer (on) and the Junker internal keyer (Off) I also Have a stero plug wired to the Junker and common wire is on the Barrel of the plug and Dits And Dahs as per the manual. Thanks Larry

5050. Junker Key

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-04 09:35:49 UTC
From: larry_draughn
Topic: 5050 Message: 5050

Please disregard got her working, had to double up on the common. 73 Larry AE4LD

5051. Aux output bug?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-09 03:29:31 UTC
From: Adam Wade
Topic: 5051 Message: 5051

Just noticed something that I think is a firmware bug on my 565.

When I turn the volume most or all of the way down, I get white noise from 0 to about 3400 hz out the aux output on the DIN connector on the rear. This also happens when I mute the audio. Up to about 15% volume the noise decreases with an increase in volume, and goes away entirely above that volume level. This is easiest to see and hear if you use the DSP filters to give a very narrow BW and then turn down the volume. The aux output then shows white noise from 0 to 2400 hz, very clearly audible and visible on a waterfall display outside of the DSP filter's BW.
Is this a known bug? Do I have some sort of other problem that's causing this? Any info would be appreciated. :)
! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- http://www.allthings550.com !

5052. Re: Aux output bug?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-09 13:54:34 UTC
From: pa1ap
Topic: 5051 Message: 5052

Greetings,

I am not sure I understand the issue you found. To my knowledge the output on the din plug and line out connector (which i use) works independent of the volume control at the front panel.

If I disconnect the antenna i do see noise which is expect and it follows the filter curve nicely.

Could you share what and how you are testing something?

--- In orion565@yahoogroups.com, Adam Wade <espresso_doppio@...> wrote:
>
>
> Just noticed something that I think is a firmware bug on my 565.
>
> When I turn the volume most or all of the way down, I get white noise from 0 to about 3400 hz out the aux output on the DIN connector on the rear. This also happens when I mute the audio. Up to about 15% volume the noise decreases with an increase in volume, and goes away entirely above that volume level. This is easiest to see and hear if you use the DSP filters to give a very narrow BW and then turn down the volume. The aux output then shows white noise from 0 to 2400 hz, very clearly audible and visible on a waterfall display outside of the DSP filter's BW.
> Is this a known bug? Do I have some sort of other problem that's causing this? Any info would be appreciated. :)
> ! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
> ! "I write down everything I want to remember. That way, instead !
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> ! - Beryl Pfizer -=- http://www.allthings550.com !
>

5053. HelpWanted

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-10 08:36:07 UTC
From: Dave
Topic: 5053 Message: 5053

Hi,
I have just got hold of a tentec internal atu for the orion2,not the ldg one,
does anyone out there have instructions on how this is fitted
or has fitted one himself and can give me adice on the procedure
I would be much obliged.e-mail direct to the following address would be
ok.gm6jua@blueyonder.co.uk
as it wouldnot take up space on the forum.
thanks from
dave

5054. Considering Purchase

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-10 10:24:20 UTC
From: kd6hq
Topic: 5054 Message: 5054

Hello my name is Don and I am new to this group.
I have decided to purchase a used Orion 1 as that is what my budget will allow. In looking at some of the messages on this form it is clear that the Orion seems to have gone thru it's fair share of problems. When considering a specific purchase what are some questions I should ask to ensure that the rig is operating satisfactory?

Thanks for the help.

Don

5055. Re: [orion565] Considering Purchase

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-10 10:52:07 UTC
From: bob finger
Topic: 5054 Message: 5055

Get the right to return the radio should you not be happy with it. I always sell that way. I have an Orion with filters and auto tuner for sale just now. Give me a shout if interested. 73 bob de w9ge

kd6hq wrote:

>
>
> Hello my name is Don and I am new to this group.
> I have decided to purchase a used Orion 1 as that is what my budget
> will allow. In looking at some of the messages on this form it is
> clear that the Orion seems to have gone thru it's fair share of
> problems. When considering a specific purchase what are some questions
> I should ask to ensure that the rig is operating satisfactory?
>
> Thanks for the help.
>
> Don
>
>

--
Bob Finger
8511 Swann Haven Road
Easton MD 21601
cell 703 408-2176
e-mail to: Finger@...

5056. Re: [orion565] Re: Aux output bug?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-10 13:11:26 UTC
From: Adam Wade
Topic: 5051 Message: 5056

From: pa1ap <pa1ap@...>
To: orion565@yahoogroups.com
Sent: Thursday, April 9, 2009 6:54:34 AM
Subject: [orion565] Re: Aux output bug?

> I am not sure I understand the issue you found. To my knowledge
> the output on the din plug and line out connector (which i use)
> works independent of the volume control at the front panel.

It is supposed to, yes. That doesn't appear to actually be the case, though.

> If I disconnect the antenna i do see noise which is expect and
> it follows the filter curve nicely.

I can't comment on antenna connection in this case. This was noted with the antenna connected at all times. The problem does not, however, follow either the xtal or DSP filter settings.

> Could you share what and how you are testing something?

Not quite sure how to make myself more clear...

With volume at half or more, connect DIN plug to computer via isolation xfmrs or direct. Open software with waterfall display. Switch to narrow xtal filter and DSP settings. Set computer to pipe audio in from Orion through computer speakers. Now turn the volume down on the Orion. As you get near to 0 volume, you will see on the waterfall and hear from the computer speakers white noise from 0-2100 hz (I thought it was 3400, but may be mistaken -- it's 0-2100 now, but possibly changes?) that increases as the volume is lowered to 0. This also happens when you mute the audio output by pushing in the vol knob on the Orion. Now change xtal filters and play with the DSP bandpass filters and note that the noise does not change its freq range.

! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
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! - Beryl Pfizer -=- http://www.allthings550.com !

5057. Re: Aux output bug?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-10 15:29:27 UTC
From: pa1ap
Topic: 5051 Message: 5057

Greetings Adam,

Interesting challenge and i can not reproduce it. Perhaps a silly suggestion but worth checking;

In the audio menu you can decide both/main/sub for the speaker... Check what you have marked, since the output to the din plug follows this setting... It might be that you have selected "both" which means main and sub audio is send to the din plug.

Hope this helps. Best regards, Onno

--- In orion565@yahoogroups.com, Adam Wade <espresso_doppio@...> wrote:
>
>
> _____
> From: pa1ap <pa1ap@...>
> To: orion565@yahoogroups.com
> Sent: Thursday, April 9, 2009 6:54:34 AM
> Subject: [orion565] Re: Aux output bug?
>
> > I am not sure I understand the issue you found. To my knowledge
> > the output on the din plug and line out connector (which i use)
> > works independent of the volume control at the front panel.
>
> It is supposed to, yes. That doesn't appear to actually be the case, though.
>
> > If I disconnect the antenna i do see noise which is expect and
> > it follows the filter curve nicely.
>
> I can't comment on antenna connection in this case. This was noted with the antenna connected at all times. The problem does not, however, follow either the xtal or DSP filter settings.
>
> > Could you share what and how you are testing something?
>
> Not quite sure how to make myself more clear...
>
> With volume at half or more, connect DIN plug to computer via isolation xfmrs or direct. Open software with waterfall display. Switch to narrow xtal filter and DSP settings. Set computer to pipe audio in from Orion through computer speakers. Now turn the volume down on the Orion. As you get near to 0 volume, you will see on the waterfall and hear from the computer speakers white noise from 0-2100 hz (I thought it was 3400, but may be mistaken -- it's 0-2100 now, but possibly changes?) that increases as the volume is lowered to 0. This also happens when you mute the audio output by pushing in the vol knob on the Orion. Now change xtal filters and play with the DSP bandpass filters and note that the noise does not change its freq range.

>
> ! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
> ! "I write down everything I want to remember. That way, instead !
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> ! - Beryl Pfizer -=- http://www.allthings550.com !
>

5058. Firmware Version 2.041XL

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-10 19:15:27 UTC
From: k1fpv
Topic: 5058 Message: 5058

Hi Folks,

I looked back a bit but may have missed the posting. Has anyone had problems with the new beta firmware? I just happened to look at the Ten-Tec download site and am trying to decide if I should upgrade from Version 2.039d on my Orion II.

73,
Bill
K1FPV

5059. Re: [orion565] Re: Aux output bug?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-10 20:29:21 UTC
From: Adam Wade
Topic: 5051 Message: 5059

From: pa1ap <pa1ap@...>
To: orion565@yahoogroups.com
Sent: Friday, April 10, 2009 8:29:27 AM
Subject: [orion565] Re: Aux output bug?

> Interesting challenge and i can not reproduce it. Perhaps a silly
> suggestion but worth checking;

> In the audio menu you can decide both/main/sub for the speaker...
> Check what you have marked, since the output to the din plug
> follows this setting...

I feel slightly stupid. :) The DIN connector has a left and right channel on separate pins, and follows the headphone left and right settings rather than the speaker setting. And I did indeed have the headphone setting on "Both" for both left and right channels. Setting it to "Main" made the problem go away. Also, setting the speaker to "Main" with the headphones on "Both" gave both rcvrs into the DIN port as expected.

So I've gotten the results I want, but it is still a mystery to me why I would only see the main rcvr's output with all three audio channels set to "Both" and the volume turned up, but would see both channels on the DIN plug when I turned the volume down into the speaker (I've been using headphones plugged into my speaker lately, and not using the binaural options for the headphones, so it's easy enough to avoid the problem -- however, it's still not behaving properly, and I don't know why...) It shouldn't have ever behaved this way; I should always have seen both rcvrs in the DIN plug audio at the same levels, but only now noticed the problem because I almost always monitor rcvr audio when running digi-modes by using phones or my external spkr.

I've also started having a problem where the MON level turns itself up to booming, painful levels in my 'phones periodically. Pressing the MON button to turn it off and then back to on again makes it return to my regularly set level. The MON setting number never changes, just gets terribly loud. Not sure if I am doing something that triggers this behavior, but I'll try to keep an eye on it.

! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- http://www.allthings550.com !

5060. RE: [orion565] Firmware Version 2.041XL

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-10 23:00:16 UTC
From: Ed Pflueger
Topic: 5058 Message: 5060

I installed it last night and no issues.

Ed. AB4IQ

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of k1fpv
Sent: Friday, April 10, 2009 2:15 PM
To: orion565@yahoogroups.com
Subject: [orion565] Firmware Version 2.041XL

Hi Folks,

I looked back a bit but may have missed the posting. Has anyone had problems with the new beta firmware? I just happened to look at the Ten-Tec download site and am trying to decide if I should upgrade from Version 2.039d on my Orion II.

73,
Bill
K1FPV

[Non-text portions of this message have been removed]

5061. Mon level bug, 565 -- more details

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-10 23:51:34 UTC
From: Adam Wade
Topic: 5061 Message: 5061

Well, I've played around a bunch and narrowed in on the Mon level issue. It only happens through the speaker output, which is why I never noticed it before... If you leave Mon turned on with any speaker, it'll feed back, so 99% of folks would never notice it. I have an external speaker with several audio filters built in, and just started using the headphone jack on the speaker so I could access the pushbutton audio filters at will.

Any change in volume level with the Mon on and set to any level will result in 100% Mon output through the speaker. Turning Mon off and back on again will reset it to the correct level according to what you dialed in for a Mon level. Touching the volume control for either main or sub rcvr will cause the Mon level to hit 100% again even though it still indicates the lower level I set previously. I tried re-uploading the firmware and a master reset to see if it was something I had done or a fluke of bit rot inside the EEPROM, but no change.

Guess I go back to using the headphone jack on the radio... Sure would be nice to get a bug fix firmware update for the 565 someday. There seem to be more than a few niggling bugs floating around (I think I have found at least 3 or 4 that stick out, and I believe more have been noted on this Yahoo group). And honestly, Ten-Tec's selling point of "always have the latest for your radio via internet download" is starting to feel really thin, with a year and a half having gone by without a firmware update. If the radios are only going to get bug fixes for the first four years, that should be disclosed, IMHO, and I'm a lot less likely to buy another Ten-Tec firmware-upgradable radio if they stop supporting them after only 4 years. That's an awful lot of money for something with some (to me) significant faults that aren't being corrected... T-T service might wish to check this Yahoo group to see commentary on the other flaws and bugs in the last
available firmware update. I'm not expecting Ten-Tec (or any manufacturer) to provide free extra features in perpetuity, but sorting out the bugs in the code so the radio works as intended seems to me to be a reasonable expectation when buying a product. If I buy software with bugs in it and they don't get fixed, I have always gotten a full refund from the company (just did that with some Blu-Ray player software that was sold to me for use with my OS, and was having problems, and the company eventually revealed to me that they don't support the OS I use (XP Pro x64), so they refunded me in full), or they have provided a no-cost bug fix. While I acknowledge that handling SDRs requires a quantum leap in support and design thinking for a company that formerly just provided hardware, I also think that a company that's selling a package of software and hardware needs to fix the bugs in the software to make the product reliable and solid -- especially
since I just bought the radio from them a few months ago! Granted it's not a "current" product, but they sold it to me direct as a refurb, and if they are selling the product direct in any fashion I would expect them to support bug fixing in it at a minimum.

I saw where someone online stated that Ten-Tec is planning on releasing a firmware update soon, but that's the first I've heard of it. Rumor? Or some long-awaited bug fixes? I certainly can hope for the latter...

And as an aside, I have otherwise been more than totally satisfied with the radio (except for the DSP noise reduction, which is pretty poor compared to most other DSP-equipped

radios I've tried... My FT-100D blew it away hands down), love the full adjustability of nearly everything, and would not give it up, especially at what I paid for it. Having received it with a flaky optical encoder, an old manual, and buggy firmware does disappoint me a bit, though. Maybe it's like buying a Maserati... Tempermental and somewhat nigglingly buggy was "part of the charm" that you paid for when buying one back in the day. *sigh*

! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
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! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- http://www.allthings550.com !

5062. Barrowed Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-11 09:39:29 UTC
From: kd6hq
Topic: 5062 Message: 5062

I will be barrowing a 565 tomorrow to become familiar with the radio before I purchase one. The radio has been setting in a box for the last 2 years unused and no the owner will not sell it I ask. The owner has asked me to upgrade the firmware. This is an original Orion. It was purchased when first offered by Ten Tec and has never been updated. I have looked on the Ten Tec web page and downloaded 1.372 firmware but can not find the program to load the *.ruf file into the Orion. Where can I find the program please?

I also mentioned the Version 2 upgrade. He asks me to ask if there were any disadvantages to the V2 upgrade. Does it degrade the receiver performance in any way? He operates both CW & SSB.

Thank you

Don

5063. Barrowed Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-11 10:53:09 UTC
From: kd6hq
Topic: 5062 Message: 5063

Please disregard my previous post.

1. I've done enough reading tonight to figure out the update process.

2. From what I can tell the V2 mod does not seem to degrade the
receiver performance.
Unless you think that I've come to the wrong conclusion.

Don

5064. Re: Aux output bug?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-11 11:03:53 UTC
From: Adam Wade
Topic: 5051 Message: 5064

--- In orion565@yahoogroups.com, Adam Wade <espresso_doppio@...> wrote:

> I did indeed have the headphone setting on "Both" for both
> left and right channels. Setting it to "Main" made the problem
> go away.

I spoke too soon. :D Seems the problem is dependent on whether I am listening with headphones or through the speaker (I can only assume that this is because the headphones and the DIN connector share the same audio path, at least prior to the audio amp and vol control).

With headphones plugged into the phones jack on the front panel, and the headphone left and right set to "Both", either channel is muted when the volume for that channel is turned all the way down or the muting center-press of the corresponding volume knob is done. If the volume control for that receiver is anywhere above 0 (whether the 0 level is from turning it all the way down or muting), it is full strength in the DIN connector. This kind of makes sense, so you can switch back and forth rapidly between audio from either receiver without having to go through the whole menu business for audio selection, and I assume it was intentional.

With headphones unplugged and audio going to the speaker (I checked, it makes no difference whether it's the internal or an external one), however, things are not the same. With left phone, right phone and speaker all set to Both, and with both volumes turned all the way down, I get line level audio out from the DIN connector from both receivers. If I turn one up, though, the other receiver fades out of the signal path through the DIN plug and disappears. Turning up the sub-receiver volume makes the main receiver signal fade out and disappear from the DIN output, and vice versa. Turn them both up, and you get both of them out of the DIN plug again. In playing with the controls, it's the DIFFERENCE between the volume settings that determines the balance between main and sub receiver; if both knobs are set to the same level, you get line level from both receivers combined; if one control is more than about 1/3 of its range higher than the other, only that channel comes through, at line level.

However, if you change the speaker setting to either Main or Sub, rather than Both, then the DIN connector outputs both receivers at line level at all times.

All of this, of course, is with the headphone left and right set to "both". I have confirmed that changing the setting for left headphone also controls the left channel in the DIN, and the same for the right.

If you set the headphone channels to one receiver or the other, the behaviors are all exactly the same except you get no audio from the receiver that's not enabled for that channel... So if for instance I set the headphone channels to Main, with no headphones plugged into the phones jack, I get line level audio in the DIN connector from the Main receiver if both volumes are turned all the way down; if I turn the sub-receiver volume up, the audio on the DIN connector fades out and disappears. If I then turn up the main receiver volume, the audio fades back in, reaching line level as the volume controls are at

equal settings, and staying at line level is the main receiver volume control stays at or above the level of the sub-receiver volume control, no matter how low the sub-rcvr control is set.

I'm really not sure what to make of all of this. There doesn't seme to be anything in the manual that indicates that any of these behaviors should exist at all, as near as I can find. I just reflashed the firmware and did a master reset today, and the behavior is all still here. And I re-checked all my cabling between the Orion and computer to make sure there were no phase issues, miswiring, etc.

Maybe, as with using headphones through an external speaker, I should just (until a bug fix?) switch over to using the Line Out jack on the rear panel instead of the L and R line outs in the DIN connector so I won't have to see these effects.

If anyone has any suggestions about anything I might be doing wrong to cause this weird behavior, or alternately can confirm this behavior in their 565 as well, I'd welcome it. In fact, if someone can point out something I've overlooked or done wrong, I'd be be quite grateful, as it would mean an easy fix!

! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
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! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- http://www.allthings550.com !

5065. Re: [orion565] Barrowed Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-11 11:09:19 UTC
From: bob finger
Topic: 5062 Message: 5065

In my opinion current ver 2.x firmware is a giant step backwards for low signal receiver performance. I suggest you stick to 1.372 or 1.373b5 assuming you want the radio to have optimal performance with weak signals and/or very crowded band conditions. Rag chewers and casual ops likely would not notice much receiver difference between ver 1.x and ver 2.x firmware. 73 bob de w9ge

kd6hq wrote:

>
>
> Please disregard my previous post.
>
> 1. I've done enough reading tonight to figure out the update process.
>
> 2. From what I can tell the V2 mod does not seem to degrade the
> receiver performance.
> Unless you think that I've come to the wrong conclusion.
>
> Don
>
>

--
Bob Finger
8511 Swann Haven Road
Easton MD 21601
cell 703 408-2176
e-mail to: Finger@...

5066. Re: [orion565] Barrowed Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-11 11:14:01 UTC
From: Barry N1EU
Topic: 5062 Message: 5066

On Sat, Apr 11, 2009 at 10:53 AM, kd6hq <kd6hq@...> wrote:

> 2. From what I can tell the V2 mod does not seem to degrade the
> receiver performance.
> Unless you think that I've come to the wrong conclusion.
>

I'd think twice before proceeding to perform the V2 mod on a borrowed radio. If it were my radio, I wouldn't want that level of disassembly performed. On the other hand, perhaps the owner feels you would be doing him a favor and you have the experience to warrant his trust.

I think you're actually better off just running 1.372 or 1.373b5, before or after you own an Orion.

73,
Barry N1EU

5067. Re: Barrowed Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-11 11:22:30 UTC
From: Edward Feustel
Topic: 5062 Message: 5067

--- In orion565@yahoogroups.com, "kd6hq" <kd6hq@...> wrote:
>
> I will be barrowing a 565 tomorrow to become familiar with the radio before I purchase one. The radio has been setting in a box for the last 2 years unused and no the owner will not sell it I ask. The owner has asked me to upgrade the firmware. This is an original Orion. It was purchased when first offered by Ten Tec and has never been updated. I have looked on the Ten Tec web page and downloaded 1.372 firmware but can not find the program to load the *.ruf file into the Orion. Where can I find the program please?
>
> I also mentioned the Version 2 upgrade. He asks me to ask if there were any disadvantages to the V2 upgrade. Does it degrade the receiver performance in any way? He operates both CW & SSB.
>
> Thank you
>
> Don
>
Don,
Before upgrading to version II, there is a hardware upgrade. I am not certain how successful version 2 will be if this is not done.
Many seem to prefer version 1 because of noise reduction. One of the last upgrades to version 1 appears to be stable (judging from comments). You can try Version 2, but some features may not work if the hardware has not been upgraded.
Search the archive for ways to determine if the hardware upgrade has been performed.

I bought my 565 from Ten Tec with the upgrade. I use Version 2 - latest version and have been satisfied with it. It uses a different model for DSP than does Version 1.

The key to upgrading is selecting the proper startup conditions on the Orion. Several buttons must be pushed simultaneously at power on. This conditions the Transceiver to receive the download. The upgrade program should work properly if all modem adjustments have been
made and the transceiver has been properly initialized. Check the
version 1 program help files for proper setup.
Good luck.
Ed, N5EI

5068. Re: Considering Purchase

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-11 11:27:52 UTC
From: Edward Feustel
Topic: 5054 Message: 5068

--- In orion565@yahoogroups.com, "kd6hq" <kd6hq@...> wrote:
>
> Hello my name is Don and I am new to this group.
> I have decided to purchase a used Orion 1 as that is what my budget will allow. In looking at some of the messages on this form it is clear that the Orion seems to have gone thru it's fair share of problems. When considering a specific purchase what are some questions I should ask to ensure that the rig is operating satisfactory?
>
> Thanks for the help.
>
> Don
>
Don,
I recommend that you "bite the bullet" and get one from Ten Tec.
They offer used 765s and a 30 day return policy. They upgrade their
used equipment and "check them out" before selling them to you. There
will not be any filters in them unless stated. Nor will the accessories kit be included, just a power cord. They will be happy to sell you an accessories set (which you will probably need).

You can get the filters you need on the net. Just check the reputation of the seller.

Best luck.
Ed, N5EI

5069. Re: [orion565] Barrowed Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-11 14:01:51 UTC
From: Adam Wade
Topic: 5062 Message: 5069

----- Original Message ----
> From: bob finger <finger@...>
> To: orion565@yahoogroups.com
> Sent: Saturday, April 11, 2009 4:09:19 AM
> Subject: Re: [orion565] Barrowed Orion 565

> In my opinion current ver 2.x firmware is a giant step backwards for
> low signal receiver performance. I suggest you stick to 1.372 or
> 1.373b5 assuming you want the radio to have optimal performance with
> weak signals and/or very crowded band conditions. Rag chewers and
> casual ops likely would not notice much receiver difference between ver
> 1.x and ver 2.x firmware. 73 bob de w9ge

I've been having a bear of a time working weak signal stations with my 565, in some part because I find the DSP NR to be more or less useless in reducing noise while retaining intelligibility in speech. Interestingly, it seems to do a better job with most digital modes...

In any case, I know there were hardware changes made to accomodate the 2.x firmware.

Can a hardware-upgraded 565 run 1.x firmware? I would imagine not, but thought I would ask.

What changes were made in hardware to allow the upgrade? I know the RIT optical encoder was changed; was anything else done besides that? My 565 has to come apart to that degree anyway so I can try and solve the flaky encoder because of poor contact on the pin/socket connector strip... Anyone have an original RIT encoder they would be willing to part with? Sounds like, for my purposes, the 1.x firmware's DSP NR would be worth the effort.

What else changed between the end of 1.x firmware and the current 2.x version? I know there's a chronology listed on the Ten-Tec wiki, but mostly I'm wondering how IMPORTANT the changes were... Were there any notable bugs in the last 1.x firmware? Any notable improvements in the current 2.x firmware over the last 1.x version? I should probably know before I consider doing surgery...

! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
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! down, I spend z time looking for the paper I wrote it down on." !
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5070. RE: [orion565] Barrowed Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-11 15:27:50 UTC
From: Duane Calvin
Topic: 5062 Message: 5070

Not only will a hardware upgraded (to Ver 2.0 HW) run ver 1 firmware, but from what I've seen, it seems to be a bit more stable with the Ver 2 mod put on. So, go ahead and try 1.372 or the later beta 1.373(whatever) FW and see if you like it.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Adam Wade
Sent: Saturday, April 11, 2009 9:02 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Barrowed Orion 565

----- Original Message ----
> From: bob finger <finger@...>
> To: orion565@yahoogroups.com
> Sent: Saturday, April 11, 2009 4:09:19 AM
> Subject: Re: [orion565] Barrowed Orion 565

> In my opinion current ver 2.x firmware is a giant step backwards for
> low signal receiver performance. I suggest you stick to 1.372 or
> 1.373b5 assuming you want the radio to have optimal performance with
> weak signals and/or very crowded band conditions. Rag chewers and
> casual ops likely would not notice much receiver difference between ver
> 1.x and ver 2.x firmware. 73 bob de w9ge

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In any case, I know there were hardware changes made to accomodate the 2.x firmware.

Can a hardware-upgraded 565 run 1.x firmware? I would imagine not, but thought I would ask.

What changes were made in hardware to allow the upgrade? I know the RIT optical encoder was changed; was anything else done besides that? My 565 has to come apart to that degree anyway so I can try and solve the flaky encoder because of poor contact on the pin/socket connector strip... Anyone have an original RIT encoder they would be willing to part with? Sounds

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! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
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!

Yahoo! Groups Links

5072. Re: [orion565] Re: Considering Purchase

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-11 20:00:41 UTC
From: Martin Ewing
Topic: 5054 Message: 5072

On Sat, Apr 11, 2009 at 7:27 AM, Edward Feustel <efeustel@...> wrote:

> --- In orion565@yahoogroups.com, "kd6hq" <kd6hq@...> wrote:
> >
> > Hello my name is Don and I am new to this group.
> > I have decided to purchase a used Orion 1 as that is what my budget will
> allow. In looking at some of the messages on this form it is clear that the
> Orion seems to have gone thru it's fair share of problems. When considering
> a specific purchase what are some questions I should ask to ensure that the
> rig is operating satisfactory?
> >
> > Thanks for the help.
> >
> > Don
> >
> Don,
> I recommend that you "bite the bullet" and get one from Ten Tec.
> They offer used 765s and a 30 day return policy. They upgrade their
> used equipment and "check them out" before selling them to you. There
> will not be any filters in them unless stated. Nor will the accessories kit
> be included, just a power cord. They will be happy to sell you an
> accessories set (which you will probably need).
>
> You can get the filters you need on the net. Just check the reputation of
> the seller.
>
> Best luck.
> Ed, N5EI

Any Orion TenTec sells should have filters. It's just a question of which filters you want. The factory standard set is just fine for most any use, unless you're a competitive contester. My opinion, fwiw.

73 Martin AA6E

[Non-text portions of this message have been removed]

5073. Considering Purchase

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-12 03:20:11 UTC
From: kd6hq
Topic: 5054 Message: 5073

Thank you everyone for your thoughts.

Don kd6hq

5074. S-meter overshoot during cw transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-12 15:16:49 UTC
From: pa1ap
Topic: 5074 Message: 5074

Greetings,

Using CW i notice that during transmit at 100Watts the S-meter hits its mechanical ceiling and then returns to the 100% mark. It has an overshoot so to say. Since the s-meter is controlled through 8 bit DAC it might be software can be changed to reduce the overshoot. I am running 2.56 at the moment. Any advice appreciated! best regards, Onno pa1ap

5075. Orion value?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-13 00:21:53 UTC
From: Joe
Topic: 5075 Message: 5075

What do you think the value is for the Orion (model 565AT) with all roofing filters, antenna tuner, fan, and speaker?
Let's say about 4-5 years old. Assume perfect condition & updated by TT.
I'm thinking $2500.

5076. Re: Orion value?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-13 00:45:09 UTC
From: km4bs
Topic: 5075 Message: 5076

--- In orion565@yahoogroups.com, "Joe" <joe@...> wrote:
>
> What do you think the value is for the Orion (model 565AT) with all roofing filters, antenna tuner, fan, and speaker?
> Let's say about 4-5 years old. Assume perfect condition & updated by TT.
> I'm thinking $2500.
>
That sounds like a fair price with all the options you have. TT gets that bare bones. If I had the spare cash I would take it for that. 73 Dave

5077. ORION 565 for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-13 13:49:06 UTC
From: loconut35
Topic: 5077 Message: 5077

I have two ORION I and have decided to sell one. It has the latest firmware and the V2 sweep upgrade. If interested, contact me off list. I offer a return privilege. Lynn, W2MSJ

5078. Orion I Current Drain

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-14 12:00:25 UTC
From: Rob - G4LMW
Topic: 5078 Message: 5078

Does anyone have any actual experience of Amps drawn running at 10W CW?

We are considering using the Orion for field day and are just planning for batteries.

73, Rob
G4LMW
http://www.G4LMW.co.uk

5079. Re: [orion565] Orion I Current Drain

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-14 21:08:14 UTC
From: Adam Wade
Topic: 5078 Message: 5079

From: Rob - G4LMW <G4LMW@...>
To: orion565@yahoogroups.com
Sent: Tuesday, April 14, 2009 5:00:25 AM
Subject: [orion565] Orion I Current Drain

> Does anyone have any actual experience of Amps drawn running at
> 10W CW?

Key down, my 565 draws 8 amps at 10W out. It draws a shade over 3 amps on receive.

Not exactly a "kind to batteries" field day radio, IMHO.

! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
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5080. Re: [orion565] Orion I Current Drain

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-14 21:36:24 UTC
From: Rob - G4LMW
Topic: 5078 Message: 5080

Thanks Adam.

Indeed. 22 Amps at 100W and 8 Amps at 10W does suggest some inefficiency!

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Adam Wade" <espresso_doppio@...>
To: <orion565@yahoogroups.com>
Sent: Tuesday, April 14, 2009 10:08 PM
Subject: Re: [orion565] Orion I Current Drain

>
> _____
> From: Rob - G4LMW <G4LMW@...>
> To: orion565@yahoogroups.com
> Sent: Tuesday, April 14, 2009 5:00:25 AM
> Subject: [orion565] Orion I Current Drain
>
>> Does anyone have any actual experience of Amps drawn running at
>> 10W CW?
>
> Key down, my 565 draws 8 amps at 10W out. It draws a shade over 3 amps on
> receive.
>
> Not exactly a "kind to batteries" field day radio, IMHO.
>
> ! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
> ! "I write down everything I want to remember. That way, instead !
> ! of spending a lot of time trying to remember what it is I wrote !
> ! down, I spend z time looking for the paper I wrote it down on." !
> ! - Beryl Pfizer -=- http://www.allthings550.com
> !
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>
> Yahoo! Groups Links
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5081. Re: [orion565] Orion I Current Drain

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-14 21:40:54 UTC
From: Peter Frenning [OZ1PIF]
Topic: 5078 Message: 5081

Rob - G4LMW skrev:
> Thanks Adam.
>
> Indeed. 22 Amps at 100W and 8 Amps at 10W does suggest some inefficiency!
>
> 73, Rob
>
It wasn't designed to be a Green radio, just to be a great one........

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

5082. Re: [orion565] Orion I Current Drain

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-14 22:35:50 UTC
From: Rob - G4LMW
Topic: 5078 Message: 5082

I'll take "great" before "green" any time.....

That's why I chose the Orion!

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Peter Frenning [OZ1PIF]" <peter@...>
To: <orion565@yahoogroups.com>
Sent: Tuesday, April 14, 2009 10:40 PM
Subject: Re: [orion565] Orion I Current Drain

> Rob - G4LMW skrev:
>> Thanks Adam.
>>
>> Indeed. 22 Amps at 100W and 8 Amps at 10W does suggest some inefficiency!
>>
>> 73, Rob
>>
> It wasn't designed to be a Green radio, just to be a great one........
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> ** CW: Who? Me? You must be joking!! **
> email: peter(no-spam-filler)@...
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **********
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> Yahoo! Groups Links
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5083. Orion 1 display

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-15 15:35:33 UTC
From: John Hudson
Topic: 5083 Message: 5083

Was there a post last year where someone changed/added some LED's to change the display color?... I'm looking to change the meter colors on my O1, AL-811H, Model 253 and Yeasu controller and I thought someone had changed their O1 display color.

If not SORRY

Thank You

John KO4XJ

[Non-text portions of this message have been removed]

5084. Re: Orion 1 display

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-15 18:44:19 UTC
From: pa1ap
Topic: 5083 Message: 5084

Greetings,

search the forum on K4QO. he has used "gells" to change the displacy color to light yellow, just like the s-meter. There are also pictures of this within the photo section on this forum page.

hth Onno

--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
>
> Was there a post last year where someone changed/added some LED's to change
> the display color?... I'm looking to change the meter colors on my O1,
> AL-811H, Model 253 and Yeasu controller and I thought someone had changed
> their O1 display color.
>
>
>
> If not SORRY
>
>
>
> Thank You
>
>
>
> John KO4XJ
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

5085. RE: [orion565] Re: Orion 1 display

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-15 19:12:39 UTC
From: John Hudson
Topic: 5083 Message: 5085

Tnx Onno

73

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Wednesday, April 15, 2009 1:44 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion 1 display

Greetings,

search the forum on K4QO. he has used "gells" to change the displacy color to light yellow, just like the s-meter. There are also pictures of this within the photo section on this forum page.

hth Onno

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "John Hudson" <jd_hudson@...> wrote:
>
> Was there a post last year where someone changed/added some LED's to change
> the display color?... I'm looking to change the meter colors on my O1,
> AL-811H, Model 253 and Yeasu controller and I thought someone had changed
> their O1 display color.
>
>
>
> If not SORRY
>
>
>
> Thank You
>
>
>
> John KO4XJ
>
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>
>

> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

5086. Tentec after sales service

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-16 10:27:23 UTC
From: Dave
Topic: 5086 Message: 5086

I recently aquired a secondhand tentec atu for the orion 11 which had no fitting info with it, and contacted Richard at tentec uk. for assistance in fitting it.Within 3 days I received a file by e-mail
which contained written instructions and photo's of the relavent boards
showing the connection points.they had gone to the trouble of opening up
their demo radio and refitting an atu to it to give me step by step instructions,I know of no other supplier who would go to this level of customer service for a part they didn't even supply,further more
I needed new cables for fitting it and at Richerds advice I contacted the service dept in the USA.within the hour I had a return e-mail
to say that the parts would be on their way the next day with the compliments of tentec usa.
in all my 28 years of ham radio I have never experienced service like that "WELL DONE TENTEC" from a very happy user.

5087. Re: Tentec after sales service

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-16 13:03:16 UTC
From: pa1ap
Topic: 5086 Message: 5087

Greetings,

I had similar very positive experience with Tentec UK and I have left a customer service review on eham.net. Its a small thing to do but it would perhaps help them to move forward in the future. With current economy good companies need even mores upport from their customers and this could support them.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, "Dave" <gm6jua@...> wrote:
>
> I recently aquired a secondhand tentec atu for the orion 11 which had no fitting info with it, and contacted Richard at tentec uk. for assistance in fitting it.Within 3 days I received a file by e-mail
> which contained written instructions and photo's of the relavent boards
> showing the connection points.they had gone to the trouble of opening up
> their demo radio and refitting an atu to it to give me step by step instructions,I know of no other supplier who would go to this level of customer service for a part they didn't even supply,further more
> I needed new cables for fitting it and at Richerds advice I contacted the service dept in the USA.within the hour I had a return e-mail
> to say that the parts would be on their way the next day with the compliments of tentec usa.
> in all my 28 years of ham radio I have never experienced service like that "WELL DONE TENTEC" from a very happy user.
>

5088. Problem fixed!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-18 21:58:47 UTC
From: Adam Wade
Topic: 5088 Message: 5088

I'm sure everyone knows about my recent experience with a flaky opto encoder for the Multi knob. I don't recall his call or name (very sorry, my memory has some medical issues), but one experienced gentleman on here knew that it was from oxidation on the pins connecting the logic board, the display board, and the switchgear and whatnot.

I was to take apart the radio anyway to add a buffer amp for a SoftRock, I figured I would see about cleaning up the pins and seeing if that helped. Yesterday I pulled the front panel and disassembled. Since I did not have any DeOxit, and I don't like leaving a mess to clean up later on anyhow, I tried out the special dielectric grease that came with my SteppIR vertical for its connectors, just packing a little into each hole in the female connectors for the front panel boards. After reassembly, the only way I could tell that the Multi encoder might have had a somewhat rough life was the free play along the shaft axis; all the controls now respond just as they should. :D
As to the SoftRock; it'll make a fine panadapter, of course, but with the new hack of PowerSDR that allows you to seamlessly integrate a FlexRadio or SoftRock with your existing radio if it has CAT control or serial port control, you get two different types of incredibly sensitive receiver with one user interface. It works through HRD (although I would be willing to bet that you can get PowerSDR and the like to work with other software as well)

! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- http://www.allthings550.com !

5089. Re: Problem fixed!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-21 07:15:48 UTC
From: pa1ap
Topic: 5088 Message: 5089

Very good news Adam and I am happy you fixed the problem and shared your experience in how the problem got fixed in your case.

The conductive grease sounds like a good solution and I hope it will remain stable for a long time to go.

Take care and best regards, Onno pa1ap

--- In orion565@yahoogroups.com, Adam Wade <espresso_doppio@...> wrote:
>
>
> I'm sure everyone knows about my recent experience with a flaky opto encoder for the Multi knob. I don't recall his call or name (very sorry, my memory has some medical issues), but one experienced gentleman on here knew that it was from oxidation on the pins connecting the logic board, the display board, and the switchgear and whatnot.
>
>
> I was to take apart the radio anyway to add a buffer amp for a SoftRock, I figured I would see about cleaning up the pins and seeing if that helped. Yesterday I pulled the front panel and disassembled. Since I did not have any DeOxit, and I don't like leaving a mess to clean up later on anyhow, I tried out the special dielectric grease that came with my SteppIR vertical for its connectors, just packing a little into each hole in the female connectors for the front panel boards. After reassembly, the only way I could tell that the Multi encoder might have had a somewhat rough life was the free play along the shaft axis; all the controls now respond just as they should. :D
> As to the SoftRock; it'll make a fine panadapter, of course, but with the new hack of PowerSDR that allows you to seamlessly integrate a FlexRadio or SoftRock with your existing radio if it has CAT control or serial port control, you get two different types of incredibly sensitive receiver with one user interface. It works through HRD (although I would be willing to bet that you can get PowerSDR and the like to work with other software as well)
>
> ! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
> ! "I write down everything I want to remember. That way, instead !
> ! of spending a lot of time trying to remember what it is I wrote !
> ! down, I spend z time looking for the paper I wrote it down on." !
> ! - Beryl Pfizer -=- http://www.allthings550.com !
>

5090. Re: Problem fixed!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-21 07:15:49 UTC
From: pa1ap
Topic: 5088 Message: 5090

Very good news Adam and I am happy you fixed the problem and shared your experience in how the problem got fixed in your case.

The conductive grease sounds like a good solution and I hope it will remain stable for a long time to go.

Take care and best regards, Onno pa1ap

--- In orion565@yahoogroups.com, Adam Wade <espresso_doppio@...> wrote:
>
>
> I'm sure everyone knows about my recent experience with a flaky opto encoder for the Multi knob. I don't recall his call or name (very sorry, my memory has some medical issues), but one experienced gentleman on here knew that it was from oxidation on the pins connecting the logic board, the display board, and the switchgear and whatnot.
>
>
> I was to take apart the radio anyway to add a buffer amp for a SoftRock, I figured I would see about cleaning up the pins and seeing if that helped. Yesterday I pulled the front panel and disassembled. Since I did not have any DeOxit, and I don't like leaving a mess to clean up later on anyhow, I tried out the special dielectric grease that came with my SteppIR vertical for its connectors, just packing a little into each hole in the female connectors for the front panel boards. After reassembly, the only way I could tell that the Multi encoder might have had a somewhat rough life was the free play along the shaft axis; all the controls now respond just as they should. :D
> As to the SoftRock; it'll make a fine panadapter, of course, but with the new hack of PowerSDR that allows you to seamlessly integrate a FlexRadio or SoftRock with your existing radio if it has CAT control or serial port control, you get two different types of incredibly sensitive receiver with one user interface. It works through HRD (although I would be willing to bet that you can get PowerSDR and the like to work with other software as well)
>
> ! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
> ! "I write down everything I want to remember. That way, instead !
> ! of spending a lot of time trying to remember what it is I wrote !
> ! down, I spend z time looking for the paper I wrote it down on." !
> ! - Beryl Pfizer -=- http://www.allthings550.com !
>

5091. Re: Orion 565 (model 1) contrast issue & fix

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-21 07:32:30 UTC
From: pa1ap
Topic: 4911 Message: 5091

There is significant difference in LCD contrast control between release 1 and release 2. This causes the contrast portmeter to move towards the end of its resistance on the hot side. The cold side is around 8Kohm and the hot side is around 2Kohm. Where before it was more a neutral position, somewhere around 50/50.

The output on the potmeter towards the LCD contrast pin is around -18,2 Volts (min is +5 Volt and max is -22 Volt). Contrast is already changing if you go up/down by as small as 70mV. The potmeter has an accuracy of 20% and this might very well explain the sensitity towards temperature changes after a night of "cool" weather.

I had to replace the original potmeter since it was broken and replaced it by a better quality potmeter, although the small form factor limits of course the stability. The stability seems a little better but there is no way you can really stabilize this using a potmeter of that size.

It might be worth while to replace the potmeter for two 1% resistors to create a stable output to the lcd contrast pin.

First I will continue my search on the LCD behavior itself and how sensistive the lcd is for temperature changes. We only talk about 5-10 degrees celcius change and it seems to me a LCD screen should be able to coop with that.

73, pa1ap

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings,
>
> Learned through the manual that the backlight is provided by white LED's and that the -21 Volts is connected to a potmeter prior to connecting to the LCD contrast pin on the LCD module.
>
> with the recent upgrade to release 2 I learned one has to adjust the contrast potmeter significantly in order to achieve good contrast coverage through the menu setting. The question is what changed between release 1 and release 2 and right now it seems the refresh rate changed, causing a different contrast setting combined with sharper resolution. This also means the lcd screen becomes more sensitive to spikes and hashed on the contrast input.
>
> It might be worth to provide a "clean" -21 volts signal to the contrast input of the lcd screen. This would require a new dc-dc device to generate this voltage.
>
> Is there somebody in the group with experience on LCD displays who can advice on this?
>
> Thanks and best regards,
> Onno pa1ap

>
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Greetings,
> >
> > an update on the LCD contrast issue;
> >
> > after a few days of using I found that my original issue of diagonal contrast issue has disappeared completely. In my case the capacitor replacement did its job.
> >
> > I do see that there is still a difference between cold and warm status of the rig. It isn't that large anymore and if set correctly a good compromise can be set and left alone. To maintain perfect contrast I have to change about 3-5%.
> >
> > Perhaps there are two issues. One issue could be the leaky capacitors and another could be stability of the LCD screen / contrast.
> >
> > If you find diagonal contrast issue you might want to replace those capacitors. If its only lcd contrast stability its not proven the replacement makes a difference.
> >
> > Anyway, wish you all the best and have a nice day!
> >
> > Best regards, Onno pa1ap
> >
> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > >
> > > Greetings,
> > >
> > > I replaced them with the same type of capacitors with same rating. I did not make pictures of the replacement process but in summary;
> > >
> > > 0) disconnect the rig from power, make sure there is no way for the unit to start.....
> > > 1) open the rig, bottom and top cover
> > > 2) turn rig upside down, bottom to the top
> > > 3) dc-dc converter board is at right corner, near the s-meter.. it is the smallest pcb board available.
> > > 4) disconnect the backlight cable (small white cable connector)
> > > 5) remove the pcb board by removing the four screws (philips type)
> > > 6) carefully slide the pcb board (horizontal) to disconnect from the "backplane" connector to the left
> > > 7) take your soldering iron and start replacing the capacitors
> > > 8) put all back and see if that fixed the challenge as found.
> > >
> > > No warranty provided by the way.... It worked for me but that doesn't mean it will work for you. also take into account the polarity of the capacitors, especially c1 and c2 since they connect different then one would expect.
> > >
> > > It would be great if someone could capture the voltages and hash/spikes using a scope

as well to compare notes. I have uploaded the pictures to the photo section.
> > >
> > > Also I got great help from Mike who figured this out and was very kind to share his experience with me.
> > >
> > > Hope this helps, Best regards, Onno pa1ap
> > >
> > >
> > >
> > > --- In orion565@yahoogroups.com, Adam Wade <espresso_doppio@> wrote:
> > > >
> > > >
> > > > --- On Sun, 3/8/09, pa1ap <pa1ap@> wrote:
> > > > From: pa1ap <pa1ap@>
> > > > Subject: [orion565] Orion 565 (model 1) contrast issue & fix
> > > > To: orion565@yahoogroups.com
> > > > Date: Sunday, March 8, 2009, 1:48 AM
> > > >
> > > > > Through great help of Mike (W8TRN) I learned that the dc-dc
> > > > > converter board (A9) might have some weak capacitors (aging or
> > > > > something like that) and after a trip to the local electronic
> > > > > shop I replace them. Just to make sure I replaced the following
> > > > > capacitors (c1 & c2, c9, c6, c7).
> > > >
> > > > Did you replace them with components with the same rating as the stock ones? I'd be quite interested to know the spec of the capacitors you ended up using, and if you have any photos you took of the process, befpre/after, calling out the specific caps you replaced in a photo, etc., I'm sure I'm not the only one who would love to see them. ;)
> > > >
> > > > Thanks very much for sharing this with us. I have been living with the screen's behavior and working around it for the most part, but it sure would be nice to end up with the results that you got. :D And any excuse to open up expensive electronics and poke around inside... ;)
> > > >
> > > > ! Adam Wade -==- 90 Zephyr 615 (Daphne) -=- 86 Ninja 250 (Iris) !
> > > > ! "I write down everything I want to remember. That way, instead !
> > > > ! of spending a lot of time trying to remember what it is I wrote !
> > > > ! down, I spend z time looking for the paper I wrote it down on." !
> > > > ! - Beryl Pfizer -=- AF6ME -=- http://www.allthings550.com !
> > > >
> > >
> >
>

5092. Re: [orion565] W2IHY 8 Band & EQ Plus Settings for Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-21 11:20:45 UTC
From: larry
Topic: 4996 Message: 5092

Hi Bob , it's been a while since I heard from you. have you made the changes to the W2IHY components and if so how is it working for you? just doing a follow-up and hope to hear you on the air. I monitor 3.668 the WAS state net on the Extra class 75 meter band. Come down and join us if you will, it's a lot of fun, and would like to hear your station.73 Larry AE4LD

----- Original Message -----
From: wv8bob
To: orion565@yahoogroups.com
Sent: Monday, March 23, 2009 4:01 PM
Subject: [orion565] W2IHY 8 Band & EQ Plus Settings for Orion II

Does anyone in the forum run the Orion II with the W2IHY 8 Band Equalizer and the EQ Plus. If so, would you share your settings with me. I just installed and I am trying to find a starting point.

Thanks,
Bob

[Non-text portions of this message have been removed]

5093. Re: [orion565] Re: Orion 565 (model 1) contrast issue & fix

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-21 17:51:29 UTC
From: Martin Ewing
Topic: 4911 Message: 5093

Thanks for these contributions. I will add it to my list of things to do when I open up the big box next time. (I also need to work on the intermittent RIT/XIT decoder issue.)

When I do a serious reset (battery reset?) with v2 firmware and certain shack temperature (cool), the LCD comes up with such low contrast (all white) that I can't easily find the menu contrast adjustment. It's pretty hard to navigate the menu with eyes closed!

Maybe this translation is well known, but I had to puzzle out the following: potmeter == potentiometer

73 Martin AA6E

On Tue, Apr 21, 2009 at 3:32 AM, pa1ap <pa1ap@...> wrote:

> There is significant difference in LCD contrast control between release 1
> and release 2. This causes the contrast portmeter to move towards the end of
> its resistance on the hot side. The cold side is around 8Kohm and the hot
> side is around 2Kohm. Where before it was more a neutral position, somewhere
> around 50/50.
>
> The output on the potmeter towards the LCD contrast pin is around -18,2
> Volts (min is +5 Volt and max is -22 Volt). Contrast is already changing if
> you go up/down by as small as 70mV. The potmeter has an accuracy of 20% and
> this might very well explain the sensitity towards temperature changes after
> a night of "cool" weather.
>
> I had to replace the original potmeter since it was broken and replaced it
> by a better quality potmeter, although the small form factor limits of
> course the stability. The stability seems a little better but there is no
> way you can really stabilize this using a potmeter of that size.
>
> It might be worth while to replace the potmeter for two 1% resistors to
> create a stable output to the lcd contrast pin.
>
> First I will continue my search on the LCD behavior itself and how
> sensistive the lcd is for temperature changes. We only talk about 5-10
> degrees celcius change and it seems to me a LCD screen should be able to
> coop with that.
>
> 73, pa1ap
>
>

[Non-text portions of this message have been removed]

5094. Re: Orion 565 (model 1) contrast issue & fix

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-21 21:08:20 UTC
From: pa1ap
Topic: 4911 Message: 5094

My apologies for the short notation on potentiometer.

Did you adjust the potentiometer to correct contrast level after you had done the release 2 upgrade or is the potentiometer still at the original "release 1 setting" ?

If I downgrade to release 1 I have to adjust the potentiometer again to allow the 50% menu based contrast to work as designed. Without the adjustment the contrast setting is wrong.

Same applies if I upgrade from release 1 to release 2. I have to adjust the contrast potentiometer again... In both cases it is possible to adjust the contrast using the menu contrast setting but the values are at end of scale which could result in the contrast issue you find after a major reset. The default 50% is not providing a good contrast setting.

I would really like to find a way to stabilize the LCD contrast in such way that cold / warm status does not change the contrast setting. Current practice is to adjust the contrast by up to 10% within 30-60 minutes.

The menu based contrast setting is actually generating a PWM signal which gets combined with the -22Volts out of the dc-dc converter. The pulswidth determines the "fine adjustment". I don't see the -22 Volt changing over time as well I don't believe the PWM signal as derived from the processor is unstable. Hence the "combined" signal seems to have components which are drifting and/or the lcd itself is unstable.

Anyway, I will search further and suggestions much appreciated.

Thanks and best regards, Onno pa1ap

--- In orion565@yahoogroups.com, Martin Ewing <martin.s.ewing@...> wrote:
>
> Thanks for these contributions. I will add it to my list of things to do
> when I open up the big box next time. (I also need to work on the
> intermittent RIT/XIT decoder issue.)
>
> When I do a serious reset (battery reset?) with v2 firmware and certain
> shack temperature (cool), the LCD comes up with such low contrast (all
> white) that I can't easily find the menu contrast adjustment. It's pretty
> hard to navigate the menu with eyes closed!
>
> Maybe this translation is well known, but I had to puzzle out the following:
> potmeter == potentiometer
>
> 73 Martin AA6E
>
> On Tue, Apr 21, 2009 at 3:32 AM, pa1ap <pa1ap@...> wrote:
>
> > There is significant difference in LCD contrast control between release 1

> > and release 2. This causes the contrast portmeter to move towards the end of
> > its resistance on the hot side. The cold side is around 8Kohm and the hot
> > side is around 2Kohm. Where before it was more a neutral position, somewhere
> > around 50/50.
> >
> > The output on the potmeter towards the LCD contrast pin is around -18,2
> > Volts (min is +5 Volt and max is -22 Volt). Contrast is already changing if
> > you go up/down by as small as 70mV. The potmeter has an accuracy of 20% and
> > this might very well explain the sensitity towards temperature changes after
> > a night of "cool" weather.
> >
> > I had to replace the original potmeter since it was broken and replaced it
> > by a better quality potmeter, although the small form factor limits of
> > course the stability. The stability seems a little better but there is no
> > way you can really stabilize this using a potmeter of that size.
> >
> > It might be worth while to replace the potmeter for two 1% resistors to
> > create a stable output to the lcd contrast pin.
> >
> > First I will continue my search on the LCD behavior itself and how
> > sensistive the lcd is for temperature changes. We only talk about 5-10
> > degrees celcius change and it seems to me a LCD screen should be able to
> > coop with that.
> >
> > 73, pa1ap
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

5095. Orion 565 and Shure 444

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-22 01:32:37 UTC
From: eduardomontana
Topic: 5095 Message: 5095

Hi and sorry for such a simple topic; i should know this ...
I have an Orion 565, I really like it; it came with a Ten Tec 706 MIC and it works great, but I'd like to use my ancient Shure 444 that has been with me for about 25 years: old habits die hard!

But I cannot figure out how to *correctly* wire it up; while I've managed to wire it up, when I press the PTT I can hear via monitor function on headphones noise which sounds like -I presume- as if coming from the making contact inside the PTT of the mike being in-line with the audio 9i can also very faintly if you pay attention hear the membrane of the MIC faintly click when I key on and off); so the result is horrible when keying on and keying off; I hope I am making sense.

The audio when keyed on is punchy old style ... "just telecommunication grade" the way I'd like to have it.

I've reviewed the page at {http://www.qsl.net/g4wpw/date.html - search for Ten Tec} and the MIC pinout for the Orion 565 is described as follows

PIN1 MIC +
PIN2 MIC -
PIN3 PTT
PIN4 +9 VOLTS.
SHELL/CHASSIS=GROUND

Which I'd assume is correct but the Shure 444 has no + 9 volts ...

Now with current wiring I could use the MIC in VOX position, close locked the PTT and use VOX on the radio to test it out, but I am not a VOX style operator.

BOTTOM LINE: I am trying to appeal to someone that has experience wiring a Shure 444 to this Orion 565 and could tell me how to do it.

I am using the old cable the Shure came with, original wiring ...

Thanks a bunch!
VE3 YZR
Eduardo montana
(also at edmontana@...)

5096. Re: [orion565] Re: Orion 565 (model 1) contrast issue & fix

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-22 04:58:04 UTC
From: Adam Wade
Topic: 4911 Message: 5096

From: pa1ap <pa1ap@...>
To: orion565@yahoogroups.com
Sent: Tuesday, April 21, 2009 2:08:20 PM
Subject: [orion565] Re: Orion 565 (model 1) contrast issue & fix

> I would really like to find a way to stabilize the LCD contrast
> in such way that cold / warm status does not change the contrast
> setting. Current practice is to adjust the contrast by up to 10%
> within 30-60 minutes.

The obvious answer is to insert a thermistor into the circuit, although you would have to do some digging to find one that gave the rate of change you were looking for, and then possibly changing the trimmer potentiometer's value and range so that combined with the thermistor it gave values that were appropriate for the circuit as it stands. Unfortunately I don't think there's a way to "auto-compensate" for the change in firmware, which I imagine changes the PWM duty cycle range per your further information below.

> The menu based contrast setting is actually generating a PWM
> signal which gets combined with the -22Volts out of the dc-dc
> converter. The pulswidth determines the "fine adjustment". I
> don't see the -22 Volt changing over time as well I don't believe
> the PWM signal as derived from the processor is unstable. Hence
> the "combined" signal seems to have components which are drifting
> and/or the lcd itself is unstable.

Liquid crystal itself is very temperature-sensitive, and this temp sensitivity can be seen in any LCD I've ever encountered, from multimeters to digital thermometers and clocks to old handheld video games and so on. I would wager that there is little to no significant effect on contrast in the Orion due to voltage drift caused by capacitor or resistor temperature change, and nearly all of it is from the LCD changing its contrast due to temp, a well-established "given". That said, there are temperature-compensated LCD displays out there that handle this "automatically", presumably with the use of a thermistor.

A quick search brings us to this: http://www.pacificdisplay.com/lcd_cont_adj.htm You will probably find what you are hunting for there. :) Note that from a quick reading of the site it does not look trivial or easy to do unless you have all the engineering specs for the display at hand. That said, the display does appear to be a generic commercial module, so the specs should be find-able without too much trouble assuming you take the front of your Orion far enough apart to find the part numbers or model number(s) for the display unit. Unfortunately I did not think to do this while I had mine apart to fix the optical encoder issue (and the Multi encoder is still over-sensitive, sometimes jumping forward several "ticks" when being rotated just one "tick", and more rarely, being slightly INsensitive to rotation -- doesn't seem like this should be possible if it is using optical encoding and a toothed wheel or something to break the light beam, unless
something has gotten dirty or some debris has gotten inside the actual encoder unit... I

may have to open the thing up at some point and see if there's any loose junk inside).

I'll bet that if you could get the info off of the LCD module, the comany hosting that page could help you sort out temperature compensation. If you got something working, I for one would be willing to pay for a parts kit that also compensated you for your time and effort in finding a useful solution. ;) I'd also be very keen to hear about whether we can also adjust the voltage that controls optimal display angle, as my setup has my radio down rather low and I look down on the display at a fairly steep angle. I can't raise the front of the rig to cut down the angle at all, so it would be kind of nice if there was a way to change that setting, or even to add a trimmer or something so we could adjust it without having to replace components each time.

! Adam Wade -==- AF6ME -===- Ten-Tec Orion & SteppIR BiggIR Mk III !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- http://www.allthings550.com !

5097. Re: [orion565] Re: Orion 565 (model 1) contrast issue & fix

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-22 05:19:35 UTC
From: Martin Ewing
Topic: 4911 Message: 5097

On Wed, Apr 22, 2009 at 12:58 AM, Adam Wade <espresso_doppio@...>wrote:

>
> _____
> From: pa1ap <pa1ap@...>
> To: orion565@yahoogroups.com
> Sent: Tuesday, April 21, 2009 2:08:20 PM
> Subject: [orion565] Re: Orion 565 (model 1) contrast issue & fix
>
> > I would really like to find a way to stabilize the LCD contrast
> > in such way that cold / warm status does not change the contrast
> > setting. Current practice is to adjust the contrast by up to 10%
> > within 30-60 minutes.
>
> The obvious answer is to insert a thermistor into the circuit, although you
> would have to do some digging to find one that gave the rate of change you
> were looking for, and then possibly changing the trimmer potentiometer's
> value and range so that combined with the thermistor it gave values that
> were appropriate for the circuit as it stands. Unfortunately I don't think
> there's a way to "auto-compensate" for the change in firmware, which I
> imagine changes the PWM duty cycle range per your further information below.

Well, another "fix" would be to apply a suitable heat pulse to the LCD at
system power on, to bring it to operating temperature rapidly. Details
left to the reader!

-Martin AA6E

[Non-text portions of this message have been removed]

5098. Re: [orion565] Re: Orion 565 (model 1) contrast issue & fix

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-22 05:43:16 UTC
From: Adam Wade
Topic: 4911 Message: 5098

From: Martin Ewing <martin.s.ewing@...>
To: orion565@yahoogroups.com
Sent: Tuesday, April 21, 2009 10:19:35 PM
Subject: Re: [orion565] Re: Orion 565 (model 1) contrast issue & fix

> Well, another "fix" would be to apply a suitable heat pulse to
> the LCD at system power on, to bring it to operating temperature
> rapidly.

I'm relatively certain that most of the heat inside the case comes from the rest of the rig, although some probably comes from the LCD backlight and LCD display driver chips. You would have to somehow blow heated air onto the display itself, evenly so the temp was equalized across the whole display, and keep doing that until the ambient temp inside the case had stabilized plus some time factor to allow for the display to reach its typical temp and stay there. The idea of using a single piece of commercially-available silicon to compensate for the display's temperature is almost certainly an infinitely more practical, cheaper, smaller and less complicated solution.

Unless this was a very late April 1st joke? :)

! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
! "I write down everything I want to remember. That way, instead !
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! - Beryl Pfizer -=- http://www.allthings550.com !

5099. Re: Orion 565 and Shure 444

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-22 15:00:51 UTC
From: pa1ap
Topic: 5095 Message: 5099

Greetings,

I have been struggling connecting a mic to the orion 565 for a while. After contact with ten-tec uk I got the following recommendation;

1) Make sure you have a good RF earth,
2) Make sure that RF isn't getting into the radio via the power lead (use a ferite ring?),
3) Check mic lead is in good order.
4) If possible, keep the PTT and mic grounds separate until the connections at the mic plug. Use a good shielded lead.

Most important is that the cable shield really needs to make proper contact with the chassis through the mic plug body. PTT only works when this is the case. Furthermore the mic is considered "balanced or floating". Its recommended that both mic leads (pin 1 and pin 2) remain "floating" and share the same shield to keep it balanced.

The key switch should be seperate from the mic leads at all times. Best to have the switch with both wires terminating at the mic plug instead of using the common shield. On the latter you might want to try to use the shield and have one wire going to the key contact (pin 3) within the mic plug. Keying the rig is done by pin 3 to chassis.

hope this helps, onno pa1ap

--- In orion565@yahoogroups.com, "eduardomontana" <edmontana@...> wrote:
>
> Hi and sorry for such a simple topic; i should know this ...
> I have an Orion 565, I really like it; it came with a Ten Tec 706 MIC and it works great, but I'd like to use my ancient Shure 444 that has been with me for about 25 years: old habits die hard!
>
> But I cannot figure out how to *correctly* wire it up; while I've managed to wire it up, when I press the PTT I can hear via monitor function on headphones noise which sounds like -I presume- as if coming from the making contact inside the PTT of the mike being in-line with the audio 9i can also very faintly if you pay attention hear the membrane of the MIC faintly click when I key on and off); so the result is horrible when keying on and keying off; I hope I am making sense.
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> The audio when keyed on is punchy old style ... "just telecommunication grade" the way I'd like to have it.
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> PIN1 MIC +
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> PIN4 +9 VOLTS.
> SHELL/CHASSIS=GROUND
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> Which I'd assume is correct but the Shure 444 has no + 9 volts ...
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> Now with current wiring I could use the MIC in VOX position, close locked the PTT and use VOX on the radio to test it out, but I am not a VOX style operator.
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> BOTTOM LINE: I am trying to appeal to someone that has experience wiring a Shure 444 to this Orion 565 and could tell me how to do it.
>
> I am using the old cable the Shure came with, original wiring ...
>
> Thanks a bunch!
> VE3 YZR
> Eduardo montana
> (also at edmontana@...)
>

5100. Re: Orion 565 (model 1) contrast issue & fix

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-22 14:35:12 UTC
From: pa1ap
Topic: 4911 Message: 5100

Valuable suggestions and when time allows I will do some more fact finding. First I will solder small wires to the potentiometer leads and route them outside the rig. This way I can measure the variation during cold to warm status to confirm change takes place.

The LCD component name is actually included within the schematics but I can't find the manufactor associated with the unit. The backlight is unlikely to heat the lcd screen since its LED based and those don't generate much (if any) heat.

If I may the following variables will have to be explored;

1) LCD stability towards temperature change
2) contrast voltage variation towards temperature change
3) contrast voltage resolution associated with visual contrast adjustment
4) Voltage stability towards the general LCD module

Its long time ago I did electrical engineering and I am taking it step by step while realizing how much i forgot since then :-) One thing I haven't found a clear answer on is the accuracy of the potentiometer. The regulated part towards the LCD contrast pin sees roughly 2K toward -22Volt and 8K towards +5 Volts. This means that the potentiometer picks a voltage out of a range of 27 Volt to arrive at -18 volt (example).... Now given the potentiometer is rated 20% accuracy under normal temperature I wonder what happens with the output voltage when lets say the resistance goes up by 20%...

Here is my (limited) logic;

Essentially there are three resistors in line. +5Volt connected to one fixed resistor (3300 ohm) to potentiometer, which consists of one 8K and one 2K resistor. The 2 K resistor is connected to -22Volt.

+5Volt / 3k3 / 8K + 2K / -22Volt. The plus (+) is the potentiometer variable contact towards the LCD. LCD voltage -17.94 Volt

Suppose the potentiometer varies by 20% due to temperature change (resistance goes up as example)

+5Volt / 3k3 / 9K6 + 2K4 / -22Volt. The plus (+) is the potentiometer variable contact towards the LCD. LCD voltage -17.77 Volt.

The delta is about 170mV which seems to roughly correspond with 10% contrast adjustment within the menu... Coinsidence? perhaps... I need to confirm this value through measurement...

What I don't know is how potentiometers change their value when temperature changes. Would the complete resistance go up or down? Would the smaller value go up/down as much as the bigger value of the variable resistor? In other words, how does a potentiometer behave and what does the 20% accuracy describe?

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, Adam Wade <espresso_doppio@...> wrote:
>
>
> _____
> From: Martin Ewing <martin.s.ewing@...>
> To: orion565@yahoogroups.com
> Sent: Tuesday, April 21, 2009 10:19:35 PM
> Subject: Re: [orion565] Re: Orion 565 (model 1) contrast issue & fix
>
> > Well, another "fix" would be to apply a suitable heat pulse to
> > the LCD at system power on, to bring it to operating temperature
> > rapidly.
>
> I'm relatively certain that most of the heat inside the case comes from the rest of the rig, although some probably comes from the LCD backlight and LCD display driver chips. You would have to somehow blow heated air onto the display itself, evenly so the temp was equalized across the whole display, and keep doing that until the ambient temp inside the case had stabilized plus some time factor to allow for the display to reach its typical temp and stay there. The idea of using a single piece of commercially-available silicon to compensate for the display's temperature is almost certainly an infinitely more practical, cheaper, smaller and less complicated solution.
>
> Unless this was a very late April 1st joke? :)
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>

5101. RE: [orion565] Re: Orion 565 (model 1) contrast issue & fix

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-22 17:40:10 UTC
From: John T. Fleming
Topic: 4911 Message: 5101

I have been reading this thread and wonder if there is not a simpler solution? I had trouble with my display not staying the same brightness as well as my S-meter and RIT/XIT. After trying many things, I have concluded that it is all associated with contact oxidation. The S-Meter would not move until I transmitted and from then on, it would work OK. This told me that once there was enough voltage to make the meter go to full scale, the contact was made. The last time I went after the RIT/XIT problem, I not only bent the 2 pins that carry the encoder information away from the LCD display to put a bit more tension on the contacts in the connector but also used contact cleaner. So far it has not failed for 9 months. A check for this problem is to apply pressure to the front between the display and the sweep button. That seems to exercise the connector connection to clean the connection. The connectors are mounted on the encoder board which is attached to the back of the front of the Orion.

When I got frustrated with the display, I drilled a small hole in the case bottom so I could insert a small screw driver and adjust the setting with the menu display setting at 50%. After working on the Orion and putting contact cleaner on all of the connectors behind the front panel, I have not had any trouble with the display nor the S-meter.

I hope this will save some time curing the display problem.

73,
John

5102. Newly acquired Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-22 23:33:40 UTC
From: Rob - G4LMW
Topic: 5102 Message: 5102

Dear Group

I have recently acquired a 565 with V2.062a installed.

Can I safely roll back to 1.372?

I am guessing that is has only been "soft" upgraded to v2 since when I go to select "sweep", it says "V2 mod required for SWEEP"

73, Rob
G4LMW
http://www.G4LMW.co.uk

5103. Re: [orion565] Newly acquired Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-22 23:47:44 UTC
From: Alan Sewell N5NA
Topic: 5102 Message: 5103

Yes, that's no problem. You can load any version 1 or version 2
firmware made for the 565.

73,

Alan N5NA

http://www.tentecwiki.org

Rob - G4LMW wrote:
> Dear Group
>
> I have recently acquired a 565 with V2.062a installed.
>
> Can I safely roll back to 1.372?
>
> I am guessing that is has only been "soft" upgraded to v2 since when I go to
> select "sweep", it says "V2 mod required for SWEEP"
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
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5104. .2.041XL

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-23 00:45:13 UTC
From: dxsteve2000
Topic: 5104 Message: 5104

The new software for the Orion 2 is on the web site to download. It is still the beta version. I have tried the new AF AGC. It sure makes for less noise at night on 40,80, and 160. The AF volume does not seem sufficient for use on 20-10M during the day. The new sweep seems to work better and I like the tuning indicator. Has anyone written up about when is the best time to use the AF agc? Seems like you need to run the AGC slow also using AF AGC.

Steve AG4W

5105. Re: [orion565] Newly acquired Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-23 01:15:21 UTC
From: Rob - G4LMW
Topic: 5102 Message: 5105

Tnx Alan

How long does the upgrade(downgrade) take to complete?

It has been running for an hour and has completed 300 out of 9446 lines. I
will leave it running overnight but must use the PC in the morning for work
so would have to crash the program.

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Alan Sewell N5NA" <alan.n5na@...>
To: <orion565@yahoogroups.com>
Sent: Thursday, April 23, 2009 12:47 AM
Subject: Re: [orion565] Newly acquired Orion 565

> Yes, that's no problem. You can load any version 1 or version 2
> firmware made for the 565.
>
> 73,
>
> Alan N5NA
>
> http://www.tentecwiki.org
>
>
>
> Rob - G4LMW wrote:
>> Dear Group
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5106. Re: [orion565] Newly acquired Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-23 01:29:24 UTC
From: Alan Sewell N5NA
Topic: 5102 Message: 5106

It should only take a couple of minutes. Sounds like you have a serial
communication problem. If you're using a USB>serial adapter you may
need to find a different one to try. It's best if you can use real
serial port.

73,

Alan N5NA

http://www.tentecwiki.org

Rob - G4LMW wrote:
> Tnx Alan
>
> How long does the upgrade(downgrade) take to complete?
>
> It has been running for an hour and has completed 300 out of 9446 lines. I
> will leave it running overnight but must use the PC in the morning for work
> so would have to crash the program.
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
>
>
>
> ----- Original Message -----
> From: "Alan Sewell N5NA" <alan.n5na@...>
> To: <orion565@yahoogroups.com>
> Sent: Thursday, April 23, 2009 12:47 AM
> Subject: Re: [orion565] Newly acquired Orion 565
>
>
>
>> Yes, that's no problem. You can load any version 1 or version 2
>> firmware made for the 565.
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>> 73,
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>> Alan N5NA
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>>
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>> Rob - G4LMW wrote:

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>>> Dear Group
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5107. 566 Multi Encoder Problem.

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-23 02:10:52 UTC
From: Yuri VE3XB
Topic: 5102 Message: 5107

Hi,

Does anybody know what is the part number for Multi encoder for 566 model and where I could buy one?
Schematics show it as a S64 but no mention of the type. It just stopped working - no matter how much I turn this knob the numbers stay the same.
Is it worth trying to repair encoder?

Thanks in advance,

Yuri VE3XB

[Non-text portions of this message have been removed]

5108. RE: [orion565] Newly acquired Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-23 02:27:55 UTC
From: Ed Pflueger
Topic: 5102 Message: 5108

That's way too long. Mine only took several minutes or so.

Ed.. AB4IQ

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Rob - G4LMW
Sent: Wednesday, April 22, 2009 8:15 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Newly acquired Orion 565

Tnx Alan

How long does the upgrade(downgrade) take to complete?

It has been running for an hour and has completed 300 out of 9446 lines. I will leave it running overnight but must use the PC in the morning for work so would have to crash the program.

73, Rob
G4LMW
http://www.G4LMW. <http://www.G4LMW.co.uk> co.uk

----- Original Message -----
From: "Alan Sewell N5NA" <alan.n5na@gmail. <mailto:alan.n5na%40gmail.com> com>
To: <orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com>
Sent: Thursday, April 23, 2009 12:47 AM
Subject: Re: [orion565] Newly acquired Orion 565

> Yes, that's no problem. You can load any version 1 or version 2
> firmware made for the 565.
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> 73,
>
> Alan N5NA
>
> http://www.tentecwi <http://www.tentecwiki.org> ki.org
>
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[Non-text portions of this message have been removed]

5109. Main recvr will not completely mute via internal speaker

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-23 08:36:41 UTC
From: Rob Thomson
Topic: 5109 Message: 5109

I can still hear (low) audio from the main rx in the on-board speaker despite the mute button being pressed (and the audio scale shows in the half bar state).

If I mute both main and sub rx and change the speaker output between the 2, sub rx gives no audio but main is still detectable.

If I plug in headphones, both receivers are fully muted. Likewise, with an external speaker, both rx audios are completely muted.

So - in summary, it is ONLY main RX and ONLY through the internal speaker.

Regards
Rob, G4LMW

5110. Re: [orion565] 566 Multi Encoder Problem.

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-23 08:46:10 UTC
From: Adam Wade
Topic: 5102 Message: 5110

From: Yuri VE3XB <ve3xb@...>
To: orion565@yahoogroups.com
Sent: Wednesday, April 22, 2009 7:10:52 PM
Subject: [orion565] 566 Multi Encoder Problem.

> Does anybody know what is the part number for Multi encoder for 566
> model and where I could buy one? Schematics show it as a S64 but
> no mention of the type. It just stopped working - no matter how much
> I turn this knob the numbers stay the same.

You may want to clean the pins for the board connectors and put some dielectric grease (with anti-oxidizers is\f you can find it, or maybe DeoxIT products) into the female connectors. There is a known issue with oxidized or otherwise not solid, reliable DC contact on the pins in these connectors, so I'd start there first. I'd also check to make sure I didn't have a cold solder joint or a broken trace on a circuit board before I started replacing components.

! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
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5111. Re: [orion565] Main recvr will not completely mute via internal speaker

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-23 09:27:19 UTC
From: TenTec DIRECT UK
Topic: 5109 Message: 5111

Rob

You are in a bizarre position now... I think it is related to your earlier problems of firmware update issues.

If the Rx/audio was working o.k. before (running V2x) and you have had problems flashing back to V1, you have got to get the programming sorted out before assuming there are audio or rx problems.

Try to re-flash it.
Try another computer.

Almost everything in the radio (including audio stage) is controlled from the programming so it has got to be loaded correctly.

Once loaded successfully, then suspect the audio stages and receiver.

Personally I used to recommend V173b5 but there have been so many "fuzzy" issues relating that I would now only suggest V2x, whichever version on 2x is up to you. We have pursued so many apparent hardware faults on the bench which cleared with V2x firmware!

Regards, Richard Hillier G4NAD(TT UK)

>I can still hear (low) audio from the main rx in the on-board speaker
>despite the mute button being pressed (and the audio scale shows in the
>half bar state).
>
>If I mute both main and sub rx and change the speaker output between the
>2, sub rx gives no audio but main is still detectable.
>
>If I plug in headphones, both receivers are fully muted. Likewise, with an
>external speaker, both rx audios are completely muted.
>
>So - in summary, it is ONLY main RX and ONLY through the internal
>speaker.
>
>Regards
>Rob, G4LMW
--
TenTec DIRECT UK, Unit 9, Dimple Road Business Centre, Matlock, Derbys DE4 3JX, England
Tel: 01629 581222 International +44 1629 581222
Fax: 01629 580070 International +44 1629 580070
tentec@... http://www.aoruk.com/tentec

5112. Re: [orion565] Main recvr will not completely mute via internal speaker

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-23 10:23:26 UTC
From: Rob - G4LMW
Topic: 5109 Message: 5112

Richard

Thank you for taking the time to reply.

All understood. This radio has not been hardware modified for V2 and I wanted to use the "sweep" functionality, hence rolling back to v1.

I was also led to believe (???) that the overall receiver performance was better in v1 ?

The "un-muted" audio is not a big problem for now, so I think that I will gain some experience of the radio using V1.x first, then (if as you suggest, V2 is indeed an improvement) think about getting the toolkit out! ......

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "TenTec DIRECT UK" <aor@...>
To: <orion565@yahoogroups.com>
Sent: Thursday, April 23, 2009 10:27 AM
Subject: Re: [orion565] Main recvr will not completely mute via internal speaker

> Rob
>
> You are in a bizarre position now... I think it is related to your
> earlier problems of firmware update issues.
>
> If the Rx/audio was working o.k. before (running V2x) and you have had
> problems flashing back to V1, you have got to get the programming sorted
> out before assuming there are audio or rx problems.
>
> Try to re-flash it.
> Try another computer.
>
> Almost everything in the radio (including audio stage) is controlled
> from the programming so it has got to be loaded correctly.
>
> Once loaded successfully, then suspect the audio stages and receiver.
>
> Personally I used to recommend V173b5 but there have been so many
> "fuzzy" issues relating that I would now only suggest V2x, whichever
> version on 2x is up to you. We have pursued so many apparent hardware
> faults on the bench which cleared with V2x firmware!
>

> Regards, Richard Hillier G4NAD(TT UK)
>
>>I can still hear (low) audio from the main rx in the on-board speaker
>>despite the mute button being pressed (and the audio scale shows in the
>>half bar state).
>>
>>If I mute both main and sub rx and change the speaker output between the
>>2, sub rx gives no audio but main is still detectable.
>>
>>If I plug in headphones, both receivers are fully muted. Likewise, with an
>>external speaker, both rx audios are completely muted.
>>
>>So - in summary, it is ONLY main RX and ONLY through the internal
>>speaker.
>>
>>Regards
>>Rob, G4LMW
> --
> TenTec DIRECT UK, Unit 9, Dimple Road Business Centre, Matlock, Derbys DE4
> 3JX,
> England
> Tel: 01629 581222 International +44 1629 581222
> Fax: 01629 580070 International +44 1629 580070
> tentec@... http://www.aoruk.com/tentec
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> Yahoo! Groups Links
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5113. Re: [orion565] Newly acquired Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-23 10:29:05 UTC
From: Rob - G4LMW
Topic: 5102 Message: 5113

Thanks for all the responses on this (on and off-list).

The problem was solved by digging into the folder in which the upgrade program was installed and stumbling across the "how to" text file. There is no mention of this file in the program instructions, the manual or the website. There is also no mention of "Flash Update Mode" in an other documentation.

Needless to say, once I put the radio into update mode, the process took a few minutes to complete. I guess the Orion objects to being "flashed" while still trying to process signals!

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Rob - G4LMW" <G4LMW@...>
To: <orion565@yahoogroups.com>
Sent: Thursday, April 23, 2009 2:15 AM
Subject: Re: [orion565] Newly acquired Orion 565

> Tnx Alan
>
> How long does the upgrade(downgrade) take to complete?
>
> It has been running for an hour and has completed 300 out of 9446 lines. I
> will leave it running overnight but must use the PC in the morning for
> work
> so would have to crash the program.
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
>
>
>
> ----- Original Message -----
> From: "Alan Sewell N5NA" <alan.n5na@...>
> To: <orion565@yahoogroups.com>
> Sent: Thursday, April 23, 2009 12:47 AM
> Subject: Re: [orion565] Newly acquired Orion 565
>
>
>> Yes, that's no problem. You can load any version 1 or version 2
>> firmware made for the 565.

>>
>> 73,
>>
>> Alan N5NA
>>
>> http://www.tentecwiki.org
>>
>>
>>
>> Rob - G4LMW wrote:
>>> Dear Group
>>>
>>> I have recently acquired a 565 with V2.062a installed.
>>>
>>> Can I safely roll back to 1.372?
>>>
>>> I am guessing that is has only been "soft" upgraded to v2 since when I
>>> go
>>> to
>>> select "sweep", it says "V2 mod required for SWEEP"
>>>
>>> 73, Rob
>>> G4LMW
>>> http://www.G4LMW.co.uk
>>>
>>>
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5114. Re: [orion565] Newly acquired Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-23 11:05:28 UTC
From: TenTec DIRECT UK
Topic: 5102 Message: 5114

>The problem was solved by digging into the folder in which the upgrade
>program was installed and stumbling across the "how to" text file.

This file is extracted to the TT folder during install, as you say the
text could have duplicated elsewhere.

I have looked at the Orion 565 operating manual "25 April 2003 3rd
printing", the details are clearly written on page 3-17 with a shaded
box saying "FLASH UPDATE MODE".

It is mentioned in section 4 of the Orion-II 566 handbook (starting on
page 49) but the heading is not obvious as it refers to reset and
internet updating.

Also you MUST do a full reset when changing from V2 to V1 etc as
mentioned on the TT download page and in several places.

You have it working now, so all is well.

Regards, Richard Hillier G4NAD (TT UK)

>There is
>no mention of this file in the program instructions, the manual or the
>website. There is also no mention of "Flash Update Mode" in an other
>documentation.
>
>Needless to say, once I put the radio into update mode, the process took
>a
>few minutes to complete. I guess the Orion objects to being "flashed"
>while
>still trying to process signals!
>73, Rob
>G4LMW
--
TenTec DIRECT UK, Unit 9, Dimple Road Business Centre, Matlock, Derbys DE4 3JX,
England
Tel: 01629 581222 International +44 1629 581222
Fax: 01629 580070 International +44 1629 580070
tentec@... http://www.aoruk.com/tentec

5115. Re: [orion565] Main recvr will not completely mute via internal speaker

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-23 11:11:29 UTC
From: TenTec DIRECT UK
Topic: 5109 Message: 5115

>All understood. This radio has not been hardware modified for V2 and I
>wanted to use the "sweep" functionality, hence rolling back to v1.

It is a while since I ran an unmodified Orion 565 with V2 firmware... I
thought the sweep worked (ignoring the message) but not at enhanced
speed. The mod is not too difficult and is documented in the TT
download section.

>I was also led to believe (???) that the overall receiver performance was
>better in v1 ?

There are many issues with V1 which are not there on V2. Some people
prefer the notch implementation of V1 in respect of AGC when compared to
V2 but the Orion-II 566 uses the V2 method too and TT feel they have
good reason for doing it that way. Having seen V1 units on the bench
with faults cleared by simply loading V1 firmware (no repair necessary)
has lead me to feel that V2 is the best and most stable version.

>The "un-muted" audio is not a big problem for now, so I think that I will
>gain some experience of the radio using V1.x first, then (if as you suggest,
>V2 is indeed an improvement) think about getting the toolkit out! ......

Did you do a full rest after loading V1 ??

>73, Rob
>G4LMW
>http://www.G4LMW.co.uk

Regards, Richard Hillier G4NAD (TT UK)
--
TenTec DIRECT UK, Unit 9, Dimple Road Business Centre, Matlock, Derbys DE4 3JX,
England
Tel: 01629 581222 International +44 1629 581222
Fax: 01629 580070 International +44 1629 580070
tentec@... http://www.aoruk.com/tentec

5116. Re: [orion565] Newly acquired Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-23 11:16:04 UTC
From: Rob - G4LMW
Topic: 5102 Message: 5116

Thanks again Richard (off list)

I think that I was just born unlucky.

The manual supplied with my Orion is dated "Revision 3 - February 2005".

I have had another look and still cannot find any reference to "FLASH UPDATE MODE". I'm going to have one more look (for curiosity sake.....)

Perhaps I need to source another manual?

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "TenTec DIRECT UK" <aor@...>
To: <orion565@yahoogroups.com>
Sent: Thursday, April 23, 2009 12:05 PM
Subject: Re: [orion565] Newly acquired Orion 565

>
>>The problem was solved by digging into the folder in which the upgrade
>>program was installed and stumbling across the "how to" text file.
>
> This file is extracted to the TT folder during install, as you say the
> text could have duplicated elsewhere.
>
> I have looked at the Orion 565 operating manual "25 April 2003 3rd
> printing", the details are clearly written on page 3-17 with a shaded
> box saying "FLASH UPDATE MODE".
>
> It is mentioned in section 4 of the Orion-II 566 handbook (starting on
> page 49) but the heading is not obvious as it refers to reset and
> internet updating.
>
> Also you MUST do a full reset when changing from V2 to V1 etc as
> mentioned on the TT download page and in several places.
>
> You have it working now, so all is well.
>
> Regards, Richard Hillier G4NAD (TT UK)
>
>>There is
>>no mention of this file in the program instructions, the manual or the
>>website. There is also no mention of "Flash Update Mode" in an other
>>documentation.

>>
>>Needless to say, once I put the radio into update mode, the process took
>>a
>>few minutes to complete. I guess the Orion objects to being "flashed"
>>while
>>still trying to process signals!
>>73, Rob
>>G4LMW
> --
> TenTec DIRECT UK, Unit 9, Dimple Road Business Centre, Matlock, Derbys DE4
> 3JX,
> England
> Tel: 01629 581222 International +44 1629 581222
> Fax: 01629 580070 International +44 1629 580070
> tentec@... http://www.aoruk.com/tentec
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> Yahoo! Groups Links
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5118. Orion 1 power switch

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-23 14:10:06 UTC
From: ko4xj
Topic: 5118 Message: 5118

1. Has anyone had issues with the power switch? I have a intermitting issue where the rig does not power down when I flip the power switch. The first time it happened I turned the power supply off then back on and then the switch worked. Later it happened again and I had some other unrelated issues and I did a BATTERY RESET and then the switch worked. That made think could it be a software issue. Last two days it's happened several more times but is stable this morning

Is there any software control lines that can effect the switch or is this a switch getting ready to go out?

Thanks
73

John
KO4XJ

5119. Re: [orion565] 566 Multi Encoder Problem.

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-24 03:51:09 UTC
From: Yuri VE3XB
Topic: 5102 Message: 5119

Hi Adam,

Thanks a lot for your advice.

I took the radio apart and "refreshed" all suspicious solder joints on the encoder board. After about an hour of sweating and swearing managed to put everything back together and there you go - Orion is back in business.

Appreciate your help.

73 Yuri VE3XB

----- Original Message -----
From: Adam Wade

From: Yuri VE3XB <ve3xb@...>
To: orion565@yahoogroups.com
Sent: Wednesday, April 22, 2009 7:10:52 PM
Subject: [orion565] 566 Multi Encoder Problem.

> Does anybody know what is the part number for Multi encoder for 566
> model and where I could buy one? Schematics show it as a S64 but
> no mention of the type. It just stopped working - no matter how much
> I turn this knob the numbers stay the same.

You may want to clean the pins for the board connectors and put some dielectric grease (with anti-oxidizers is\f you can find it, or maybe DeoxIT products) into the female connectors. There is a known issue with oxidized or otherwise not solid, reliable DC contact on the pins in these connectors, so I'd start there first. I'd also check to make sure I didn't have a cold solder joint or a broken trace on a circuit board before I started replacing components.

!

5120. Re: [orion565] 566 Multi Encoder Problem.

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-24 08:14:28 UTC
From: Adam Wade
Topic: 5102 Message: 5120

From: Yuri VE3XB <ve3xb@...>
To: orion565@yahoogroups.com
Sent: Thursday, April 23, 2009 8:51:09 PM
Subject: Re: [orion565] 566 Multi Encoder Problem.

> Thanks a lot for your advice.

> I took the radio apart and "refreshed" all suspicious solder
> joints on the encoder board. After about an hour of sweating and
> swearing managed to put everything back together and there you
> go - Orion is back in business.

> Appreciate your help.
> 73 Yuri VE3XB

Glad it worked out that well for you!

Considering how much the board gets flexed during normal use, I'm not too surprised that we are starting to see some solder joints failing in some of our radios. I noticed a distinct improvement with cleaning and protecting the pins on the inter-board connectors with anti-oxidant laced dielectric grease, but didn't check the solder joints before reassembling. :D Hindsight and all that. The radio has to come back apart again to finish the buffer amp install for my shiny new SoftRock Lite II -- I'm very much looking forward to coming back with reports about how much the radio's capabilities have expanded by melding the Orion with an SDR receiver back end, which interact via software (PowerSDR has been modified for the SoftRock Lite IF version and can interact directly with HRD, allowing, as a for instance, you to click on a signal on your PowerSDR waterfall and have the software tune one of the Orion's VFOs right to that frequency)... I can't wait. :D I probably won't even mind re-soldering joints on the encoder board while so looking forward to first running PowerSDR and seeing signals on the waterfall coming from the Orion's first IF... :D

! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- http://www.allthings550.com !

5121. Re: [orion565] Orion 1 power switch

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-25 00:54:55 UTC
From: Martin Ewing
Topic: 5118 Message: 5121

John,

According to my schematics, the power switch controls bias on a transistor (A0 Q23) that drives relay A0 K1 that switches most of the current. Your K1 could be sticky, or possibly your power switch, but there's no software involved.

73 Martin AA6E

On Thu, Apr 23, 2009 at 10:10 AM, ko4xj <jd_hudson@...> wrote:

> 1. Has anyone had issues with the power switch? I have a intermitting issue
> where the rig does not power down when I flip the power switch. The first
> time it happened I turned the power supply off then back on and then the
> switch worked. Later it happened again and I had some other unrelated issues
> and I did a BATTERY RESET and then the switch worked. That made think could
> it be a software issue. Last two days it's happened several more times but
> is stable this morning
>
> Is there any software control lines that can effect the switch or is this a
> switch getting ready to go out?
>
>
>
> Thanks
> 73
>
> John
> KO4XJ
>
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> Yahoo! Groups Links
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5122. RE: [orion565] Orion 1 power switch

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-25 02:18:17 UTC
From: John Hudson
Topic: 5118 Message: 5122

Thanks Martin..

I was going to call TT today and see what issues they would report on with this issue and see about a switch BUT got busy and forgot. so far (knocking on wood) it has not acted up since I sent the request out..isn't that the way it always go!! I'll give them a call Monday

Thanks for the reply

73

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Martin Ewing
Sent: Friday, April 24, 2009 7:55 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion 1 power switch

John,

According to my schematics, the power switch controls bias on a transistor (A0 Q23) that drives relay A0 K1 that switches most of the current. Your K1 could be sticky, or possibly your power switch, but there's no software involved.

73 Martin AA6E

On Thu, Apr 23, 2009 at 10:10 AM, ko4xj <jd_hudson@...
<mailto:jd_hudson%40comcast.net> > wrote:

> 1. Has anyone had issues with the power switch? I have a intermitting issue
> where the rig does not power down when I flip the power switch. The first
> time it happened I turned the power supply off then back on and then the
> switch worked. Later it happened again and I had some other unrelated issues
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>
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> Thanks
> 73
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> John
> KO4XJ
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5123. Re: [orion565] Orion 1 power switch

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-25 02:40:14 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 5118 Message: 5123

This isn't a fix, however I wouldn't know if my O2 has a bad switch or not as it's never been turned off since I got it about 8 months ago. I'm a firm believer that electronics last much longer when left on (except my Alpha 91b amp, too expensive to keep running). My luck, if I turned it off now it wouldn't come back on, hihi.

73,
Sam
K3SAM

From: John Hudson <jd_hudson@...>
To: orion565@yahoogroups.com
Sent: Friday, April 24, 2009 10:18:17 PM
Subject: RE: [orion565] Orion 1 power switch

Thanks Martin..

I was going to call TT today and see what issues they would report on with this issue and see about a switch BUT got busy and forgot. so far (knocking on wood) it has not acted up since I sent the request out..isn't that the way it always go!! I'll give them a call Monday

Thanks for the reply

73

John

KO4XJ

From: orion565@yahoogroup s.com [mailto:orion565@yahoogroup s.com] On Behalf Of Martin Ewing
Sent: Friday, April 24, 2009 7:55 PM
To: orion565@yahoogroup s.com
Subject: Re: [orion565] Orion 1 power switch

John,

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73 Martin AA6E

On Thu, Apr 23, 2009 at 10:10 AM, ko4xj <jd_hudson@comcast. net <mailto:jd_hudson% 40comcast. net> > wrote:

> 1. Has anyone had issues with the power switch? I have a intermitting
issue
> where the rig does not power down when I flip the power switch. The first
> time it happened I turned the power supply off then back on and then the
> switch worked. Later it happened again and I had some other unrelated
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> it be a software issue. Last two days it's happened several more times but
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> Is there any software control lines that can effect the switch or is this
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> switch getting ready to go out?
>
>
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> Thanks
> 73
>
> John
> KO4XJ
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5124. Re: Orion 1 power switch

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-26 09:33:04 UTC
From: pa1ap
Topic: 5118 Message: 5124

What about electrolytic capacitors with an average lifetime expectation of 2000 Hours when used at max temperature? There are many of them within the unit and especially the ones which are used for charge pumps etc. are very vulnerable because of the high frequency of charge and discharge.

73, pa1ap

--- In orion565@yahoogroups.com, "Sam W. Jacobs, C.E.T." <Sam@...> wrote:
>
> This isn't a fix, however I wouldn't know if my O2 has a bad switch or not as it's never been turned off since I got it about 8 months ago. I'm a firm believer that electronics last much longer when left on (except my Alpha 91b amp, too expensive to keep running). My luck, if I turned it off now it wouldn't come back on, hihi.
>
> 73,
> Sam
> K3SAM
>
>
>
>
> _____
> From: John Hudson <jd_hudson@...>
> To: orion565@yahoogroups.com
> Sent: Friday, April 24, 2009 10:18:17 PM
> Subject: RE: [orion565] Orion 1 power switch
>
>
>
>
>
> Thanks Martin..
>
> I was going to call TT today and see what issues they would report on with
> this issue and see about a switch BUT got busy and forgot. so far (knocking
> on wood) it has not acted up since I sent the request out..isn't that the
> way it always go!! I'll give them a call Monday
>
> Thanks for the reply
>
> 73
>
> John
>
> KO4XJ

>
> From: orion565@yahoogroup s.com [mailto:orion565@yahoogroup s.com] On Behalf
> Of Martin Ewing
> Sent: Friday, April 24, 2009 7:55 PM
> To: orion565@yahoogroup s.com
> Subject: Re: [orion565] Orion 1 power switch
>
> John,
>
> According to my schematics, the power switch controls bias on a transistor
> (A0 Q23) that drives relay A0 K1 that switches most of the current. Your K1
> could be sticky, or possibly your power switch, but there's no software
> involved.
>
> 73 Martin AA6E
>
> On Thu, Apr 23, 2009 at 10:10 AM, ko4xj <jd_hudson@comcast. net
> <mailto:jd_hudson% 40comcast. net> > wrote:
>
> > 1. Has anyone had issues with the power switch? I have a intermitting
> issue
> > where the rig does not power down when I flip the power switch. The first
> > time it happened I turned the power supply off then back on and then the
> > switch worked. Later it happened again and I had some other unrelated
> issues
> > and I did a BATTERY RESET and then the switch worked. That made think
> could
> > it be a software issue. Last two days it's happened several more times but
> > is stable this morning
> >
> > Is there any software control lines that can effect the switch or is this
> a
> > switch getting ready to go out?
> >
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> >
> > Thanks
> > 73
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> > John
> > KO4XJ
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5125. questions about 2.041XL firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-27 11:09:52 UTC
From: k0xb3
Topic: 5125 Message: 5125

Now that the new firmware has been out for several months, I'd like to ask for your impressions about it compared to 2.039d. In particular, are there real benefits to the new option to use AF AGC?
Thanks, Rick K0XB

5126. Re: questions about 2.041XL firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-27 11:14:06 UTC
From: k0xb3
Topic: 5125 Message: 5126

Just to clarify, my question is in regard to the Orion II.
73, Rick K0XB

--- In orion565@yahoogroups.com, "k0xb3" <rickb@...> wrote:
>
> Now that the new firmware has been out for several months, I'd like to ask for your impressions about it compared to 2.039d. In particular, are there real benefits to the new option to use AF AGC?
> Thanks, Rick K0XB
>

5127. Antenna and accessories for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-27 13:47:23 UTC
From: Vince Santis
Topic: 5127 Message: 5127

For Sale:

Hy-gain AV 14 AVQ with DX Eng. Radial plate and tilt base.

$175. MUST be picked up at y qth.

Vince Santis, N1VS
Winsted, CT

5128. Small letter "C" on display of O1?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-27 18:46:43 UTC
From: jddksk
Topic: 5128 Message: 5128

I can't seem to find any info in the manual about a small letter "C" right above the 100Hz digit and just left of "TR". I don't remember seeing this before nothing I do seems to remove the letter from the display. Sorry for the dum question one of these days I'll figure this rig out.

73 Dave

5129. Re: Small letter "C" on display of O1?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-27 18:58:25 UTC
From: barry9051
Topic: 5128 Message: 5129

--- In orion565@yahoogroups.com, "jddksk" <jddksk@...> wrote:
>
> I can't seem to find any info in the manual about a small letter "C" right above the 100Hz digit and just left of "TR". I don't remember seeing this before nothing I do seems to remove the letter from the display. Sorry for the dum question one of these days I'll figure this rig out.
>
> 73 Dave
>

Not dumb Dave - just not documented! It indicates which of the four band stacking memories is in use for the selected frequency. Select a frequency - say 80m - press the 80m button repeatedly and you will cycle through A, B, C, D - each memory can hold a different set of settings. Hope that helps

73
Barry
G4RKO

5130. RE: [orion565] Re: Small letter "C" on display of O1?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-27 19:49:04 UTC
From: John Hudson
Topic: 5128 Message: 5130

Well it's documented but not well enough! Page 23 on the manual under (57) Frequency Entry and Band Change Buttons, the third paragraph describes the band stacking but does not explain it

73

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of barry9051
Sent: Monday, April 27, 2009 1:58 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Small letter "C" on display of O1?

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "jddksk" <jddksk@...> wrote:
>
> I can't seem to find any info in the manual about a small letter "C" right above the 100Hz digit and just left of "TR". I don't remember seeing this before nothing I do seems to remove the letter from the display. Sorry for the dum question one of these days I'll figure this rig out.
>
> 73 Dave
>

Not dumb Dave - just not documented! It indicates which of the four band stacking memories is in use for the selected frequency. Select a frequency - say 80m - press the 80m button repeatedly and you will cycle through A, B, C, D - each memory can hold a different set of settings. Hope that helps

73
Barry
G4RKO

[Non-text portions of this message have been removed]

5131. Re: Small letter "C" on display of O1?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-27 19:53:52 UTC
From: jddksk
Topic: 5128 Message: 5131

--- In orion565@yahoogroups.com, "barry9051" <g4rko@...> wrote:
>
> --- In orion565@yahoogroups.com, "jddksk" <jddksk@> wrote:
> >
> > I can't seem to find any info in the manual about a small letter "C" right above the 100Hz digit and just left of "TR". I don't remember seeing this before nothing I do seems to remove the letter from the display. Sorry for the dum question one of these days I'll figure this rig out.
> >
> > 73 Dave
> >
>
> Not dumb Dave - just not documented! It indicates which of the four band stacking memories is in use for the selected frequency. Select a frequency - say 80m - press the 80m button repeatedly and you will cycle through A, B, C, D - each memory can hold a different set of settings. Hope that helps
>
> 73
> Barry
> G4RKO
>
Barry
Tnx for the reply yep your right I never use the stacking memories
so that's why I never saw a change in the display. All works now tooo.. funny!!!hihi.

73 Dave.

5132. Re: [orion565] Re: Orion 1 power switch

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-28 02:53:51 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 5118 Message: 5132

Personally, I've seen electrolytic's rated at 2000 hours go bad after 1000 hours of on/off usage when the same have lasted, well they are still in use after 5 years (43,800 hours) of continuous duty. I guess it's just a matter taste.

-Sam
-K3SAM

_____
From: pa1ap <pa1ap@...>
To: orion565@yahoogroups.com
Sent: Sunday, April 26, 2009 5:33:04 AM
Subject: [orion565] Re: Orion 1 power switch

What about electrolytic capacitors with an average lifetime expectation of 2000 Hours when used at max temperature? There are many of them within the unit and especially the ones which are used for charge pumps etc. are very vulnerable because of the high frequency of charge and discharge.

73, pa1ap

--- In orion565@yahoogroup s.com, "Sam W. Jacobs, C.E.T." <Sam@...> wrote:
>
> This isn't a fix, however I wouldn't know if my O2 has a bad switch or not as it's never been turned off since I got it about 8 months ago. I'm a firm believer that electronics last much longer when left on (except my Alpha 91b amp, too expensive to keep running). My luck, if I turned it off now it wouldn't come back on, hihi.
>
> 73,
> Sam
> K3SAM
>
>
>
>
> _____ _____ _____ __
> From: John Hudson <jd_hudson@. ..>
> To: orion565@yahoogroup s.com
> Sent: Friday, April 24, 2009 10:18:17 PM
> Subject: RE: [orion565] Orion 1 power switch
>
>
>
>
>
> Thanks Martin..
>

> I was going to call TT today and see what issues they would report on with
> this issue and see about a switch BUT got busy and forgot. so far (knocking
> on wood) it has not acted up since I sent the request out..isn't that the
> way it always go!! I'll give them a call Monday
>
> Thanks for the reply
>
> 73
>
> John
>
> KO4XJ
>
> From: orion565@yahoogroup s.com [mailto:orion565@ yahoogroup s.com] On Behalf
> Of Martin Ewing
> Sent: Friday, April 24, 2009 7:55 PM
> To: orion565@yahoogroup s.com
> Subject: Re: [orion565] Orion 1 power switch
>
> John,
>
> According to my schematics, the power switch controls bias on a transistor
> (A0 Q23) that drives relay A0 K1 that switches most of the current. Your K1
> could be sticky, or possibly your power switch, but there's no software
> involved.
>
> 73 Martin AA6E
>
> On Thu, Apr 23, 2009 at 10:10 AM, ko4xj <jd_hudson@comcast. net
> <mailto:jd_hudson% 40comcast. net> > wrote:
>
> > 1. Has anyone had issues with the power switch? I have a intermitting
> issue
> > where the rig does not power down when I flip the power switch. The first
> > time it happened I turned the power supply off then back on and then the
> > switch worked. Later it happened again and I had some other unrelated
> issues
> > and I did a BATTERY RESET and then the switch worked. That made think
> could
> > it be a software issue. Last two days it's happened several more times but
> > is stable this morning
> >
> > Is there any software control lines that can effect the switch or is this
> a
> > switch getting ready to go out?
> >
> >
> >
> > Thanks
> > 73

> >
> > John
> > KO4XJ
> >
> >
> >
> >
> > ------------ --------- --------- ------
> >
> >
> > Yahoo! Groups Links
> >
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>

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5133. Re: Orion 1 power switch

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-29 11:02:46 UTC
From: bill_w4zv
Topic: 5118 Message: 5133

--- In orion565@yahoogroups.com, "Sam W. Jacobs, C.E.T." <Sam@...> wrote:
>
> This isn't a fix, however I wouldn't know if my O2 has a bad switch or not as it's never been turned off since I got it about 8 months ago.

Orion consumes ~50W (3.6A at 13.8V) in standby, so you'll consume 438 kWh per year which is about $50 annually at current rates. If you leave other stuff on continuously (like computers, printers, TV, etc), you're paying a lot for a very questionable benefit IMHO.

73, Bill W4ZV

5134. Re: [orion565] Re: Orion 1 power switch

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-29 13:57:54 UTC
From: Martin Ewing
Topic: 5118 Message: 5134

Here, here!

My rigs and computers stay off unless needed within the next hour or so. There are some failure modes that come with on-off cycling and others with total on time.

I like to do e-mail on my micro-power Kindle 2, while my big cpu sleeps. QRP is good for us!

73 Martin AA6E

5135. Re: [orion565] Re: Orion 1 power switch

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-29 13:59:51 UTC
From: Martin Ewing
Topic: 5118 Message: 5135

Here, here!

My rigs and computers stay off unless needed within the next hour or so. There are some failure modes that come with on-off cycling and others with total on time.

I like to do e-mail on my micro-power Kindle 2, while my big cpu sleeps. QRP is good for us!

73 Martin AA6E

5136. Re: [orion565] Re: Orion 1 power switch

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-29 14:01:45 UTC
From: Martin Ewing
Topic: 5118 Message: 5136

Here, here!

My rigs and computers stay off unless needed within the next hour or so. There are some failure modes that come with on-off cycling and others with total on time.

I like to do e-mail on my micro-power Kindle 2, while my big cpu sleeps. QRP is good for us!

73 Martin AA6E

5137. Re: [orion565] Re: Orion 1 power switch

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-29 14:10:30 UTC
From: Martin Ewing
Topic: 5118 Message: 5137

Here, here!

My rigs and computers stay off unless needed within the next hour or so. There are some failure modes that come with on-off cycling and others with total on time.

I like to do e-mail on my micro-power Kindle 2, while my big cpu sleeps. QRP is good for us!

73 Martin AA6E

5138. Re: [orion565] Re: Orion 1 power switch

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-29 14:20:38 UTC
From: Martin Ewing
Topic: 5118 Message: 5138

Sorry about the repeats. My Kindle does not seem to work right with Google Mail. :-(

Martin AA6E

5139. Re: [orion565] Re: Orion 1 power switch

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-29 14:20:10 UTC
From: Martin Ewing
Topic: 5118 Message: 5139

Sorry about the repeats. My Kindle does not seem to work right with Google Mail. :-(

Martin AA6E

5140. RE: [orion565] Re: Orion 1 power switch

Yahoo group: orion565 (2009 — 2013)
Date: 2009-04-29 15:00:50 UTC
From: Wes Attaway (N5WA)
Topic: 5118 Message: 5140

Martin ... don't worry about the repeats. It is just the "long delayed echo" effect.

---------- Wes Attaway (N5WA) ----------

1138 Waters Edge Circle - Shreveport, LA 71106

318-797-4972 (office) - 318-393-3289 (cell)

Computer Consulting and Forensics

---------- EnCase Certified Examiner ----------

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Martin Ewing
Sent: Wednesday, April 29, 2009 9:20 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Orion 1 power switch

Sorry about the repeats. My Kindle does not seem to work right with Google Mail. :-(

Martin AA6E

[Non-text portions of this message have been removed]

5141. 565 software updates

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-03 01:21:00 UTC
From: deancobussen
Topic: 5141 Message: 5141

Hi guys, i am relatively new to the group. I have been watching for sometime but because i run a company aswell i have found it hard to follow all the correspondence. Its a very active group which is a very good thing. I apologize now if what i will ask in future will cross over with things already discussed. Bear with me, i have a few questions about this lovely piece of gear i have owned for 6 months.

First question: Looking on start up i have a May 2007 version, 2.04b7 or something.

What is the latest update and what will it give me or improve? This might be aiot so just bullet point them or maybe a link i can read up on please.

Anything to watch out for on the updates? Any help is much appreciated.

regards,

Dean ZL1COB

5142. RE: [orion565] 565 software updates

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-03 01:43:44 UTC
From: Duane Calvin
Topic: 5141 Message: 5142

Dean,
I can handle your first question - your 565 is already at the latest level of software. We're all holding our breath waiting for the next version to release, hopefully soon. I'll ask Scott at Dayton to see if they're bold enough to project a date for that.

Enjoy the radio - I sure like mine!

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of deancobussen
Sent: Saturday, May 02, 2009 8:21 PM
To: orion565@yahoogroups.com
Subject: [orion565] 565 software updates

Hi guys, i am relatively new to the group. I have been watching for sometime but because i run a company aswell i have found it hard to follow all the correspondence. Its a very active group which is a very good thing. I apologize now if what i will ask in future will cross over with things already discussed. Bear with me, i have a few questions about this lovely piece of gear i have owned for 6 months.

First question: Looking on start up i have a May 2007 version, 2.04b7 or something.

What is the latest update and what will it give me or improve? This might be aiot so just bullet point them or maybe a link i can read up on please.

Anything to watch out for on the updates? Any help is much appreciated.

regards,

Dean ZL1COB

Yahoo! Groups Links

5143. Re: [orion565] 565 DSP taps

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-03 02:18:48 UTC
From: Dean Cobussen
Topic: 5141 Message: 5143

Thanks Duane. Thats a good start.

Second question: I am a bit confused with the use os the DSP tappings. I know what it does and why but i seem to have DSP "crackle" on high settings. I get less of this when i use the lowest setting, 32 taps. It seems to be related heavily to amount of general power noise i am getting on 40m at the moment since am in the city and need to use the NR at 9 alot.

Does anyone have any experience with this?

I often hear hash when altering the setting. A slight movement of the knob and it quietens.

What settings seems to be optimal for other users?

I experienced none of this with the FT2000 i had previously and while its not a great comparison, i find the Orion hard on the ears at times.

regards,

Dean ZL1COB

On 3/05/2009, at 1:43 PM, Duane Calvin wrote:

>
>
> Dean,
> I can handle your first question - your 565 is already at the latest
> level of software. We're all holding our breath waiting for the next
> version to release, hopefully soon. I'll ask Scott at Dayton to see if
> they're bold enough to project a date for that.
>
> Enjoy the radio - I sure like mine!
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf
> Of deancobussen
> Sent: Saturday, May 02, 2009 8:21 PM
> To: orion565@yahoogroups.com

> Subject: [orion565] 565 software updates
>
> Hi guys, i am relatively new to the group. I have been watching for
> sometime
> but because i run a company aswell i have found it hard to follow
> all the
> correspondence. Its a very active group which is a very good thing. I
> apologize now if what i will ask in future will cross over with things
> already discussed. Bear with me, i have a few questions about this
> lovely
> piece of gear i have owned for 6 months.
>
> First question: Looking on start up i have a May 2007 version,
> 2.04b7 or
> something.
>
> What is the latest update and what will it give me or improve? This
> might be
> aiot so just bullet point them or maybe a link i can read up on
> please.
>
> Anything to watch out for on the updates? Any help is much
> appreciated.
>
> regards,
>
> Dean ZL1COB
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

5144. Re: [orion565] 565 DSP taps

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-03 02:48:40 UTC
From: N9ETD@AOL.COM
Topic: 5141 Message: 5144

Dean,
From what I know about the way the dsp works is that the higher number means the signal is looped back through the chain more times. So, I would think that's why you're noticing the effect you've described. You never mentioned if you were using the hardware noise blanker at the same time. I have noticed that it will take out most power line type noises, but that very strong signals will have a mushy sound to them like most analog noise blanker circuits do produce by their very nature.

73, Craig N9ETD
**********Access 350+ FREE radio stations anytime from anywhere on the web. Get the Radio Toolbar!
(http://toolbar.aol.com/aolradio/download.html?ncid=emlcntusdown00000003)

[Non-text portions of this message have been removed]

5145. Re: 565 DSP taps

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-03 18:06:34 UTC
From: pa1ap
Topic: 5141 Message: 5145

Greetings,

If you are using orion 565 it might be worthwhile to downgrade the unit to 2.056, perform memory and master reset.

I found despite the so called AGC enhancements for later versions, this version offers clean operations and comfortable listening to stations while static is in the air.

All versions post 2.056 have significant issues with strong signals and static noise all resulting in distorted audio.

I have posted a document on this audio distortion within the file section. Check the folder pa1ap agc stuff for details.

Like many others, I am really looking forward to the new release of firmware.

My two cents.

73 onno

--- In orion565@yahoogroups.com, N9ETD@... wrote:
>
> Dean,
> From what I know about the way the dsp works is that the higher number
> means the signal is looped back through the chain more times. So, I would
> think that's why you're noticing the effect you've described. You never
> mentioned if you were using the hardware noise blanker at the same time. I have
> noticed that it will take out most power line type noises, but that very strong
> signals will have a mushy sound to them like most analog noise blanker
> circuits do produce by their very nature.
>
>
> 73, Craig N9ETD
> **********Access 350+ FREE radio stations anytime from anywhere on the
> web. Get the Radio Toolbar!
> (http://toolbar.aol.com/aolradio/download.html?ncid=emlcntusdown00000003)
>
>
> [Non-text portions of this message have been removed]
>

5146. Re: [orion565] Re: 565 Front end

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-03 23:44:11 UTC
From: Dean Cobussen
Topic: 5141 Message: 5146

Thanks Onno, that explains a few things. This is all good, i am enjoying everyones 2 cents! Thank you.

Now for my third question - i only just noticed this when shifting rooms and no antenna plugged in:

I think the front end is taking off or something. I see a S2 reading on the meter with nothing in and a dummy load on the ant socket. I have a 2.4Khz filter in, no RF amp and no noise reduction either.. the meter moves, jumps slightly above S2. I also tried adding in and removing filters which does alter it a bit. A 1Khz drops this about 1/2 an S point as does the 1.8Khz filter. I noticed with no filter at all (my 250hz setting as i do not have one) it drops again. When i keep it on this 'no filter' setting and use the BW knob to narrow up the audio to 150hz on LCW, it drops right down to zero.

Its as if my RF front end has either too much gain or is taking off. I have not touched the insides and i know nothing of the settings. Any ideas?

I am yet to look for any type if servicing information on this as apparently there is no service manual, so i am told.

Dean ZL1COB

On 4/05/2009, at 6:06 AM, pa1ap wrote:

>
>
> Greetings,
>
> If you are using orion 565 it might be worthwhile to downgrade the
> unit to 2.056, perform memory and master reset.
>
> I found despite the so called AGC enhancements for later versions,
> this version offers clean operations and comfortable listening to
> stations while static is in the air.
>
> All versions post 2.056 have significant issues with strong signals
> and static noise all resulting in distorted audio.
>
> I have posted a document on this audio distortion within the file
> section. Check the folder pa1ap agc stuff for details.
>
> Like many others, I am really looking forward to the new release of
> firmware.
>

> My two cents.
>
> 73 onno
>
> --- In orion565@yahoogroups.com, N9ETD@... wrote:
> >
> > Dean,
> > From what I know about the way the dsp works is that the higher
> number
> > means the signal is looped back through the chain more times. So,
> I would
> > think that's why you're noticing the effect you've described. You
> never
> > mentioned if you were using the hardware noise blanker at the same
> time. I have
> > noticed that it will take out most power line type noises, but
> that very strong
> > signals will have a mushy sound to them like most analog noise
> blanker
> > circuits do produce by their very nature.
> >
> >
> > 73, Craig N9ETD
> > **********Access 350+ FREE radio stations anytime from
> anywhere on the
> > web. Get the Radio Toolbar!
> > (http://toolbar.aol.com/aolradio/download.html?ncid=emlcntusdown00000003
>)
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>

[Non-text portions of this message have been removed]

5147. Re: [orion565] Re: 565 Front end

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-04 00:19:58 UTC
From: Barry N1EU
Topic: 5141 Message: 5147

On Sun, May 3, 2009 at 11:44 PM, Dean Cobussen <dean@...> wrote:

> Its as if my RF front end has either too much gain or is taking off. I
> have not touched the insides and i know nothing of the settings. Any
> ideas?
>

Do you have an Orion or an Orion II ?

Barry N1EU

5148. Re: [orion565] Re: 565 Front end

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-04 00:23:07 UTC
From: Dean Cobussen
Topic: 5141 Message: 5148

an Orion.. is that not 565?.. and the orion 2 a different model?

Dean ZL1COB

On 4/05/2009, at 12:19 PM, Barry N1EU wrote:

>
>
> On Sun, May 3, 2009 at 11:44 PM, Dean Cobussen <dean@...>
> wrote:
>
> > Its as if my RF front end has either too much gain or is taking
> off. I
> > have not touched the insides and i know nothing of the settings. Any
> > ideas?
> >
>
> Do you have an Orion or an Orion II ?
>
> Barry N1EU
>
>

[Non-text portions of this message have been removed]

5149. Re: [orion565] Re: 565 Front end

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-04 00:39:13 UTC
From: Barry N1EU
Topic: 5141 Message: 5149

On Mon, May 4, 2009 at 12:23 AM, Dean Cobussen <dean@...> wrote:
>
>
> an Orion.. is that not 565?.. and the orion 2 a different model?
>

Correct. In your initial post, you mentioned a firmware version as
2.04b7 which sounded to me like an Orion 2 rather than an Orion.

If you were experiencing DSP "crackle" with a 565 Orion running v2
firmware, I would encourage you to load v 1.372 or 1.373b5 and try
that instead.

73,
Barry N1EU

5150. Re: [orion565] Re: 565 Front end

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-04 00:50:41 UTC
From: Dean Cobussen
Topic: 5141 Message: 5150

Will do, thank you Barry.

Dean ZL1COB

On 4/05/2009, at 12:39 PM, Barry N1EU wrote:

>
>
> On Mon, May 4, 2009 at 12:23 AM, Dean Cobussen <dean@...>
> wrote:
> >
> >
> > an Orion.. is that not 565?.. and the orion 2 a different model?
> >
>
> Correct. In your initial post, you mentioned a firmware version as
> 2.04b7 which sounded to me like an Orion 2 rather than an Orion.
>
> If you were experiencing DSP "crackle" with a 565 Orion running v2
> firmware, I would encourage you to load v 1.372 or 1.373b5 and try
> that instead.
>
> 73,
> Barry N1EU
>
>

[Non-text portions of this message have been removed]

5151. Re: 565 Front end

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-04 03:15:20 UTC
From: pa1ap
Topic: 5141 Message: 5151

Greetings,

On attenuation I am finding the same result as you have found. Tuning the bandwidth down makes the s-meter drop down as well. It actually goes in steps and this is caused by the 8 bit DAC which drives the s-meter.

Smaller bandwidth x-tal filters do cause more attenuation and when I am crossing the x-filter boundaries the s-meter drops down indeed.

On 400 and 250Hz there is an additional if stage to compensate for the additional filter loss caused by such small bandwidth filter and this is indeed reflected in the s-meter. In my case it actually jumps up a little when switching from 1Khz to 400Hz to drop down again (to zero) when moving into the 250hz filter. I am using inrad filters and the 250hz filter has more attenuation then the 400hz filter.

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An S2 indication driven by threshold would be around 00.89uV in the menu but please consider the s-meter resolution 8 bit only (due to 8 bit ADC).

There are two ways to avoid AGC kicking in. Threshold and RF GAIN. RF Gain makes large steps (2dB steps) and Threshold allows you to take smaller steps especially in the low signal region. At the end the threshold value moves the activation level of AGC upwards (bottom up) and any signal below threshold is kept original.

I am always using the threshold value and I really like it. It allows me to define the AGC activation point based on band conditions without loosing sensitivity due to mixed signal AGC compression.

From what I understand on the AGC settings (i might be wrong here);

The magic signal popping out of the noise myth, remains a myth to me but adjusting the threshold carefully does allow you to differentiate band noise from weak signal and hence you can pick out the weak signal a little easier.

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But at the end, when weak signal really drops below band noise nothing within the AGC settings will allow you to pick out the weak signal.

73, onno pa1ap

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>
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> On 4/05/2009, at 6:06 AM, pa1ap wrote:
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> > > circuits do produce by their very nature.
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> > >
> > > 73, Craig N9ETD
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> > >
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> [Non-text portions of this message have been removed]
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5152. Re: [orion565] Re: 565 Front end

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-04 03:39:30 UTC
From: Dean Cobussen
Topic: 5141 Message: 5152

Thanks Onno. Ok on the filters etc... this rings true then. I did my recent tests this morning on the Slow setting. With regards to Threshold, i have played with this also and found similar things. I will do more of this tonight to understand more of what i am seeing.

Regarding your statement below:

> When no antenna is connected and threshold is set to minimum and
> RFGAIN is set to 100 my s-meter reflects about S1.

I assume a typical filter in place like 2.4Khz? Do you see the meter dance a bit or jump around at all? I find this odd.

Dean ZL1COB

On 4/05/2009, at 3:15 PM, pa1ap wrote:

>
>
> Greetings,
>
> On attenuation I am finding the same result as you have found.
> Tuning the bandwidth down makes the s-meter drop down as well. It
> actually goes in steps and this is caused by the 8 bit DAC which
> drives the s-meter.
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> Smaller bandwidth x-tal filters do cause more attenuation and when I
> am crossing the x-filter boundaries the s-meter drops down indeed.
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> On 400 and 250Hz there is an additional if stage to compensate for
> the additional filter loss caused by such small bandwidth filter and
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> So it seems the additional if stage on 400 & 250hz position is a
> little above 9dB and certainly less then 13dB gain :-)
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> Now you are investigating the whole if chain anyway and when time
> allows on your side, perhaps below some more interesting thoughts
> for the mind.
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> Are you running AGC prog or AGC slow/medium/fast setting?

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> When I move threshold (or RFGAIN) to a higher value the s-meter
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> is around S5 (in fact is is changing between S4 and S6 the whole
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> threshold to the noise level or just above. In this particular case
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> The magic signal popping out of the noise myth, remains a myth to me
> but adjusting the threshold carefully does allow you to
> differentiate band noise from weak signal and hence you can pick out
> the weak signal a little easier.
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> Band noise is often bursty (sorry for simplified English here) in
> nature and as a result it might activate / deactivate the AGC very
> fast. When your weak signal is just a little above the band noise
> and you would use the default AGC settings the weak signal detection
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> weak signal itself. Hence the weak signal might get compressed
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> threshold value in my humble opinion.

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> nothing within the AGC settings will allow you to pick out the weak
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5153. Re: 565 Front end

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-04 04:26:43 UTC
From: pa1ap
Topic: 5141 Message: 5153

No dancing s-meter (un)fortunately :-) I have tried at all filter settings and besides the known s-meter jumps when passing a filter boundary nothing changes. I have all filters installed.

The s-meter is driven by a 8 bit DAC and the processor calculating the real s-meter value could drive the DAC much faster then the s-meter can handle.

It would be logical to assume the processor would combine a certain hang time and sampling rate to avoid a very nervous s-meter. Obviously this would translate itself into what seems an s-meter making weird jumps under certain conditions.

Which firmware are you running now? If you are reading through the firmware release notes you will find that certain firmware versions have issues with noise bursts when you turn certain encoders and such like. Those bursts might move the s-meter but i haven't tested that.

hope this helps,

Onno pa1ap

--- In orion565@yahoogroups.com, Dean Cobussen <dean@...> wrote:
>
> Thanks Onno. Ok on the filters etc... this rings true then. I did my
> recent tests this morning on the Slow setting. With regards to
> Threshold, i have played with this also and found similar things. I
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5154. Re: [orion565] Re: 565 Front end

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-04 09:14:44 UTC
From: Yuri VE3XB
Topic: 5141 Message: 5154

Dean,

My S-meter does the same. To stop it turn Sweep OFF.

73 Yuri VE3XB

----- Original Message -----
From: Dean Cobussen

Regarding your statement below:

> When no antenna is connected and threshold is set to minimum and
> RFGAIN is set to 100 my s-meter reflects about S1.

I assume a typical filter in place like 2.4Khz? Do you see the meter
dance a bit or jump around at all? I find this odd.

Dean ZL1COB

5155. ORION 565 for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-04 14:38:16 UTC
From: loconut35
Topic: 5077 Message: 5155

If interested ebay 150343276258 and 150343276118. Thanks, Lynn, W2MSJ

5156. Re: [orion565] Re: 565 Front end

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-04 21:50:50 UTC
From: Dean Cobussen
Topic: 5141 Message: 5156

Thanks Yuri, i thought you may have been onto something there! It did not work. I am surprised if it did for you. However, i am still running 2.062a and struggling to find the 2.056 version firmware.

The HW noise blanker does drop the S meter reading to 1.5 on the S meter and stops the jumping. Its clearly internal interference of some sort.

Dean ZL1COB

On 4/05/2009, at 9:14 PM, Yuri VE3XB wrote:

>
>
> Dean,
>
> My S-meter does the same. To stop it turn Sweep OFF.
>
> 73 Yuri VE3XB
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> ----- Original Message -----
> From: Dean Cobussen
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> Dean ZL1COB
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[Non-text portions of this message have been removed]

5157. Orion Firmware Sites ...

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-04 23:47:30 UTC
From: Billy Cox
Topic: 5157 Message: 5157

For Version One ...

http://www.n5na.net/orion/index.html

http://tentecwiki.org/doku.php?id=orionfw

For Version Two ...

http://tentecwiki.org/doku.php?id=orionfw#version_2

Hope this helps!

73 de Billy, AA4NU

5158. Re: [orion565] Orion Firmware Sites ...

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-04 23:56:48 UTC
From: Dean Cobussen
Topic: 5157 Message: 5158

It does, thanks Billy!

Dean ZL1COB

On 5/05/2009, at 11:47 AM, Billy Cox wrote:

>
>
> For Version One ...
>
> http://www.n5na.net/orion/index.html
>
> http://tentecwiki.org/doku.php?id=orionfw
>
> For Version Two ...
>
> http://tentecwiki.org/doku.php?id=orionfw#version_2
>
> Hope this helps!
>
> 73 de Billy, AA4NU
>
>
>

[Non-text portions of this message have been removed]

5159. Distorted sound from "Line-Out" (O2)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-05 08:12:34 UTC
From: Peter Frenning [OZ1PIF]
Topic: 5159 Message: 5159

While working to set up a sound recording routine, I noticed that the audio from the Line-Out pin (AUX I/O connector) is severely distorted regardless of volume setting (Low/Med/High).
Using the exact same set up, but connected to the "Data" jack on my FT-847 the recorded audio is fine (Even though it's even higher volume than the "High" setting on the Orion).
Taking the AF from the radio into a SignaLink USB, and into Ubuntu 8.10 running Audacity. I've tried another USB "Soundcard" with the exact same result.

Has anybody else noticed this? or even found a cure?
And oh, BTW: Running 2.041XL Beta FW!

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

5160. Re: 565 Front end

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-05 08:36:50 UTC
From: pa1ap
Topic: 5141 Message: 5160

You can find most firmware on the tentec wiki page.

http://www.tentecwiki.org/doku.php?id=orionfw

I found suprising results with the noise reduction feature when comparing 1.372 and 2.56. I will upload them a little later.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, Dean Cobussen <dean@...> wrote:
>
> Thanks Yuri, i thought you may have been onto something there! It did
> not work. I am surprised if it did for you. However, i am still
> running 2.062a and struggling to find the 2.056 version firmware.
>
> The HW noise blanker does drop the S meter reading to 1.5 on the S
> meter and stops the jumping. Its clearly internal interference of some
> sort.
>
> Dean ZL1COB
>
>
> On 4/05/2009, at 9:14 PM, Yuri VE3XB wrote:
>
> > >
> > >
> > > Dean,
> > >
> > > My S-meter does the same. To stop it turn Sweep OFF.
> > >
> > > 73 Yuri VE3XB
> > >
> > > ----- Original Message -----
> > > From: Dean Cobussen
> > >
> > > Regarding your statement below:
> > >
> > > > When no antenna is connected and threshold is set to minimum and
> > > > RFGAIN is set to 100 my s-meter reflects about S1.
> > >
> > > I assume a typical filter in place like 2.4Khz? Do you see the meter
> > > dance a bit or jump around at all? I find this odd.
> > >
> > > Dean ZL1COB
> > >
> > >

> >
>
>
>
> [Non-text portions of this message have been removed]
>

5161. Re: 565 Front end

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-05 08:52:48 UTC
From: pa1ap
Topic: 5141 Message: 5161

Greetings Dean

Below my log on the release 2 versions related to AGC function. Agreed they might be subjective but it might help;

FW DSP Comments
2052 201b25 excellent, no agc distortion
2055 201b26 excellent, no agc distortion
2056 201b26 excellent, no agc distortion
2057 202b3 agc spike distortion, master reset: no effect, mem reset: some effect but not enough
2060b 204b4 little better but still some distortion
2061f 204b7 little better but still agc spikes
2062a 205b7 agc spike distrotion, master reset: no effect, mem reset: no effect
2056 201b26 change back to see difference; again excellent and no agc distortion.... seems dsp code & agc has been broken after 2056

right now i am using 2056 and take the "bugs" for granted. You can check the files / pa1ap agc stuff for the pdf document which shows the agc distortion.

I have downgraded yesterday to see how noise reducation was working and it seems to work better then release 2. However somehow release 1.372 is a little more uncomfortable to listening too, the sound seems a bit hollow to my ears. I will upload some audio pictures which show the difference.

I recommend to up/downgrade to a version and use it for a couple of days / weeks to get used to its behavior. Then change the firmware (dont forget to do memory reset and master reset) and repeat the cycle.

Hope this helps, Onno

--- In orion565@yahoogroups.com, Dean Cobussen <dean@...> wrote:
>
> Thanks Yuri, i thought you may have been onto something there! It did
> not work. I am surprised if it did for you. However, i am still
> running 2.062a and struggling to find the 2.056 version firmware.
>
> The HW noise blanker does drop the S meter reading to 1.5 on the S
> meter and stops the jumping. Its clearly internal interference of some
> sort.
>
> Dean ZL1COB
>
>
> On 4/05/2009, at 9:14 PM, Yuri VE3XB wrote:
>
> >

> >
> > Dean,
> >
> > My S-meter does the same. To stop it turn Sweep OFF.
> >
> > 73 Yuri VE3XB
> >
> > ----- Original Message -----
> > From: Dean Cobussen
> >
> > Regarding your statement below:
> >
> > > When no antenna is connected and threshold is set to minimum and
> > > RFGAIN is set to 100 my s-meter reflects about S1.
> >
> > I assume a typical filter in place like 2.4Khz? Do you see the meter
> > dance a bit or jump around at all? I find this odd.
> >
> > Dean ZL1COB
> >
> >
> >
>
>
>
> [Non-text portions of this message have been removed]
>

5162. Re: [orion565] Distorted sound from "Line-Out" (O2) - Problem found!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-05 09:40:30 UTC
From: Peter Frenning [OZ1PIF]
Topic: 5159 Message: 5162

Peter Frenning [OZ1PIF] skrev:
> While working to set up a sound recording routine, I noticed that the
> audio from the Line-Out pin (AUX I/O connector) is severely distorted
> regardless of volume setting (Low/Med/High).
> Using the exact same set up, but connected to the "Data" jack on my
> FT-847 the recorded audio is fine (Even though it's even higher volume
> than the "High" setting on the Orion).
> Taking the AF from the radio into a SignaLink USB, and into Ubuntu 8.10
> running Audacity. I've tried another USB "Soundcard" with the exact same
> result.
>
> Has anybody else noticed this? or even found a cure?
> And oh, BTW: Running 2.041XL Beta FW!
>
>
Problem found: There's a 5V! DC component on the "Line-Out" pin!!!!!
a 100nF in series with it solved the problem!

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

5163. Orion 565 firmware comparison

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-05 14:15:04 UTC
From: pa1ap
Topic: 5163 Message: 5163

Greetings,

When time allows I am comparing the two main firmwares and this time I captured the noise reduction. I was struck by the difference and made a capture of the audio log. I have uploaded a pdf document to the files section:

http://groups.yahoo.com/group/orion565/files/pa1ap%20fw%20comparison/

Perhaps this is interesting to see and i would like to see how the orion 2 performs on this.

best regards, Onno pa1ap

5164. Will2.041XL ever be anything but a beta?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-05 23:19:56 UTC
From: Brad
Topic: 5164 Message: 5164

What could possibly be taking so long to tweak the beta software to a permanent release? Could there have been that many bugs? Was the Xl release just a tease?

Brad

5165. Re: [orion565] Will2.041XL ever be anything but a beta?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-05 23:29:29 UTC
From: Billy Cox
Topic: 5164 Message: 5165

I doubt it is/was "just a tease" ... and what minor items
I have noted, I have reported to Ten-Tec for their review
and some new thoughts for additional features/improvements.

... so how about you Brad, have you done the same?

Perhaps they are waiting until someone finds a major concern
or are working on some of the improvements already requested.

With Dayton next week, I am certain many will be asking there.

73 de Billy, AA4NU

-----Original Message-----
>From: Brad <bradld@...>
>What could possibly be taking so long to tweak the beta software
>to a permanent release? Could there have been that many bugs?
>Was the Xl release just a tease?
>
>Brad

5167. For Sale Orion II Model 566AT

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-06 00:28:09 UTC
From: ned.landis
Topic: 5167 Message: 5167

For Sale TenTec Orion II Model 566AT in perfect condition. Bought new in 2/07 for $4,295, asking $3,000. Manual, DVD, original box & packing available for shipping. For info or appointment to see call 541-672-4410 or email ned1@.... Also available TenTec High Power Antenna Tuner in like-new condition, new $649, asking $450.

5168. Re: [orion565] WTB Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-06 00:43:41 UTC
From: Ned Landis
Topic: 4635 Message: 5168

Terry, I just saw your ad wanting to buy an Orion II. I have one purchased in 2/07 that is in perfect condition. Did you buy one yet? Mine was bought new for $4,295 and am asking $3,000. Manual, DVD & original box & packing materials are available for shipping. My husband loved it, but he recently died, and I would like to find a new home for it. I'm asking what TenTec would pay for it, but they would mark it up from there. Please email me at ned1@... if you are interested or know of anyone who is interested. thank you, Susan (wife of WO7A)

--- On Thu, 1/1/09, w3qj37 <tlp1@...> wrote:

From: w3qj37 <tlp1@...>
Subject: [orion565] WTB Orion II
To: orion565@yahoogroups.com
Date: Thursday, January 1, 2009, 11:05 PM

Want to buy Orion II. All offers graciously considered. If you are considering selling yours, please consider contacting me @ 214-298-2768, or email tlp1@vzavenue. net. I'm hoping anyone that considers contacting me about selling theirs wouldn't mind emailing me some clear pictures, and mind telling me a little about the radio, such as 1st, 2nd, 3rd...ownership, how old it is etc. I'm not in the radio resale business, just an individual looking for a fair deal on an Orion II. I prefer to pay with pay pal, but will consider other methods of payment to meet sellers requirements. Please consider contacting me if you have one to sell.

Many thanks to the group owner for letting me post this and all who take time to read it.

All the best,

Terry-W3QJ

[Non-text portions of this message have been removed]

5169. Re: [orion565] Re: 565 Front end

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-06 01:14:23 UTC
From: Dean Cobussen
Topic: 5141 Message: 5169

Thanks Onno, i will try to get to all this tonight and see how i go
with the firmware changes.

I let you know how i go as soon as i do.

Thanks again!

Dean ZL1COB

On 5/05/2009, at 8:52 PM, pa1ap wrote:

>
>
> Greetings Dean
>
> Below my log on the release 2 versions related to AGC function.
> Agreed they might be subjective but it might help;
>
> FW DSP Comments
> 2052 201b25 excellent, no agc distortion
> 2055 201b26 excellent, no agc distortion
> 2056 201b26 excellent, no agc distortion
> 2057 202b3 agc spike distortion, master reset: no effect, mem reset:
> some effect but not enough
> 2060b 204b4 little better but still some distortion
> 2061f 204b7 little better but still agc spikes
> 2062a 205b7 agc spike distrotion, master reset: no effect, mem
> reset: no effect
> 2056 201b26 change back to see difference; again excellent and no
> agc distortion.... seems dsp code & agc has been broken after 2056
>
> right now i am using 2056 and take the "bugs" for granted. You can
> check the files / pa1ap agc stuff for the pdf document which shows
> the agc distortion.
>
> I have downgraded yesterday to see how noise reducation was working
> and it seems to work better then release 2. However somehow release
> 1.372 is a little more uncomfortable to listening too, the sound
> seems a bit hollow to my ears. I will upload some audio pictures
> which show the difference.
>
> I recommend to up/downgrade to a version and use it for a couple of
> days / weeks to get used to its behavior. Then change the firmware
> (dont forget to do memory reset and master reset) and repeat the
> cycle.
>

> Hope this helps, Onno
>
> --- In orion565@yahoogroups.com, Dean Cobussen <dean@...> wrote:
> >
> > Thanks Yuri, i thought you may have been onto something there! It
> did
> > not work. I am surprised if it did for you. However, i am still
> > running 2.062a and struggling to find the 2.056 version firmware.
> >
> > The HW noise blanker does drop the S meter reading to 1.5 on the S
> > meter and stops the jumping. Its clearly internal interference of
> some
> > sort.
> >
> > Dean ZL1COB
> >
> >
> > On 4/05/2009, at 9:14 PM, Yuri VE3XB wrote:
> >
> > > >
> > > >
> > > Dean,
> > >
> > > My S-meter does the same. To stop it turn Sweep OFF.
> > >
> > > 73 Yuri VE3XB
> > >
> > > ----- Original Message -----
> > > From: Dean Cobussen
> > >
> > > Regarding your statement below:
> > >
> > > > When no antenna is connected and threshold is set to minimum and
> > > > RFGAIN is set to 100 my s-meter reflects about S1.
> > >
> > > I assume a typical filter in place like 2.4Khz? Do you see the
> meter
> > > dance a bit or jump around at all? I find this odd.
> > >
> > > Dean ZL1COB
> > >
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> >
> > [Non-text portions of this message have been removed]
> >
>
>

>

[Non-text portions of this message have been removed]

5170. Re: [orion565] WTB Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-06 03:17:08 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 4635 Message: 5170

Sorry for your loss Susan.

Sam
K3SAM

_____
From: Ned Landis <ned.landis@...>
To: orion565@yahoogroups.com
Sent: Tuesday, May 5, 2009 8:43:41 PM
Subject: Re: [orion565] WTB Orion II

Terry, I just saw your ad wanting to buy an Orion II. I have one purchased in 2/07 that is in perfect condition. Did you buy one yet? Mine was bought new for $4,295 and am asking $3,000. Manual, DVD & original box & packing materials are available for shipping. My husband loved it, but he recently died, and I would like to find a new home for it. I'm asking what TenTec would pay for it, but they would mark it up from there. Please email me at ned1@jeffnet. org if you are interested or know of anyone who is interested. thank you, Susan (wife of WO7A)

--- On Thu, 1/1/09, w3qj37 <tlp1@vzavenue. net> wrote:

From: w3qj37 <tlp1@vzavenue. net>
Subject: [orion565] WTB Orion II
To: orion565@yahoogroup s.com
Date: Thursday, January 1, 2009, 11:05 PM

Want to buy Orion II. All offers graciously considered. If you are considering selling yours, please consider contacting me @ 214-298-2768, or email tlp1@vzavenue. net. I'm hoping anyone that considers contacting me about selling theirs wouldn't mind emailing me some clear pictures, and mind telling me a little about the radio, such as 1st, 2nd, 3rd...ownership, how old it is etc. I'm not in the radio resale business, just an individual looking for a fair deal on an Orion II. I prefer to pay with pay pal, but will consider other methods of payment to meet sellers requirements. Please consider contacting me if you have one to sell.

Many thanks to the group owner for letting me post this and all who take time to read it.

All the best,

Terry-W3QJ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5171. Re: [orion565] For Sale Orion II Model 566AT

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-06 19:40:09 UTC
From: Ned Landis
Topic: 5167 Message: 5171

The antenna tuner has been sold, but I still have the Orion II 566AT. See below for specifications.

--- On Wed, 5/6/09, ned.landis <ned.landis@yahoo.com> wrote:

From: ned.landis <ned.landis@...>
Subject: [orion565] For Sale Orion II Model 566AT
To: orion565@yahoogroups.com
Date: Wednesday, May 6, 2009, 12:28 AM

For Sale TenTec Orion II Model 566AT in perfect condition. Bought new in 2/07 for $4,295, asking $3,000. Manual, DVD, original box & packing available for shipping. For info or appointment to see call 541-672-4410 or email ned1@jeffnet. org. Also available TenTec High Power Antenna Tuner in like-new condition, new $649, asking $450.

[Non-text portions of this message have been removed]

5172. Re: Will2.041XL ever be anything but a beta?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-06 20:57:16 UTC
From: Brad
Topic: 5164 Message: 5172

--- In orion565@yahoogroups.com, Billy Cox <aa4nu@...> wrote:
>
> I doubt it is/was "just a tease" ... and what minor items
> I have noted, I have reported to Ten-Tec for their review
> and some new thoughts for additional features/improvements.
>
> ... so how about you Brad, have you done the same?

Of course I did.

>
> Perhaps they are waiting until someone finds a major concern
> or are working on some of the improvements already requested.
>

Perhaps.

> With Dayton next week, I am certain many will be asking there.

I bet you're right but if the previous answers from Dayton's past are representative of the full population I bet we won't see the beta fixed for a while.

5173. Re: [orion565] Re: 565 Front end

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-07 13:10:33 UTC
From: Dean Cobussen
Topic: 5141 Message: 5173

Onno, what a difference!! I am running 2.056 and i am amazed. I always felt the RCVR was harsh/noisy. Its a huge difference for my ears - the AGC performance is much better. Now the NR actually works properly! Previously the NR was very acute and hollow. I notice a delay in flicking through the VFO stack now and some other little quirks i can live with. I can not believe they released 2.062a to fix simple things and ruin the performance, its quite significant. The files you uploaded tell the story alright.

Thanks for all your input and help mate!

Dean ZL1COB

PS: meter still not right, no change in this area

On 5/05/2009, at 8:52 PM, pa1ap wrote:

>
>
> Greetings Dean
>
> Below my log on the release 2 versions related to AGC function.
> Agreed they might be subjective but it might help;
>
> FW DSP Comments
> 2052 201b25 excellent, no agc distortion
> 2055 201b26 excellent, no agc distortion
> 2056 201b26 excellent, no agc distortion
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> 2060b 204b4 little better but still some distortion
> 2061f 204b7 little better but still agc spikes
> 2062a 205b7 agc spike distrotion, master reset: no effect, mem
> reset: no effect
> 2056 201b26 change back to see difference; again excellent and no
> agc distortion.... seems dsp code & agc has been broken after 2056
>
> right now i am using 2056 and take the "bugs" for granted. You can
> check the files / pa1ap agc stuff for the pdf document which shows
> the agc distortion.
>
> I have downgraded yesterday to see how noise reducation was working
> and it seems to work better then release 2. However somehow release
> 1.372 is a little more uncomfortable to listening too, the sound
> seems a bit hollow to my ears. I will upload some audio pictures
> which show the difference.

>
> I recommend to up/downgrade to a version and use it for a couple of
> days / weeks to get used to its behavior. Then change the firmware
> (dont forget to do memory reset and master reset) and repeat the
> cycle.
>
> Hope this helps, Onno
>
> --- In orion565@yahoogroups.com, Dean Cobussen <dean@...> wrote:
> >
> > Thanks Yuri, i thought you may have been onto something there! It
> did
> > not work. I am surprised if it did for you. However, i am still
> > running 2.062a and struggling to find the 2.056 version firmware.
> >
> > The HW noise blanker does drop the S meter reading to 1.5 on the S
> > meter and stops the jumping. Its clearly internal interference of
> some
> > sort.
> >
> > Dean ZL1COB
> >
> >
> > On 4/05/2009, at 9:14 PM, Yuri VE3XB wrote:
> >
> > > >
> > > >
> > > Dean,
> > >
> > > My S-meter does the same. To stop it turn Sweep OFF.
> > >
> > > 73 Yuri VE3XB
> > >
> > > ----- Original Message -----
> > > From: Dean Cobussen
> > >
> > > Regarding your statement below:
> > >
> > > > When no antenna is connected and threshold is set to minimum and
> > > > RFGAIN is set to 100 my s-meter reflects about S1.
> > >
> > > I assume a typical filter in place like 2.4Khz? Do you see the
> meter
> > > dance a bit or jump around at all? I find this odd.
> > >
> > > Dean ZL1COB
> > >
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> >
> > [Non-text portions of this message have been removed]
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>

[Non-text portions of this message have been removed]

5174. VFO Tuning Rates

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-07 14:17:08 UTC
From: nmbsun1
Topic: 5174 Message: 5174

I need to know the fastest you can set the VFO tuning rate with the orion II. Most all of my rigs I have always set to 10k per revolution of the VFO. What is the max for the orion II?

Thanks and 73, Sonny....AB4VV

5175. RE: [orion565] VFO Tuning Rates

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-07 14:20:27 UTC
From: Dan McKinley
Topic: 5174 Message: 5175

1,10,1k,5k,10k,100k

Are the 6 steps.

Dan KY5DM

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of nmbsun1
Sent: Thursday, May 07, 2009 9:17 AM
To: orion565@yahoogroups.com
Subject: [orion565] VFO Tuning Rates

I need to know the fastest you can set the VFO tuning rate with the orion II. Most all of my rigs I have always set to 10k per revolution of the VFO. What is the max for the orion II?

Thanks and 73, Sonny....AB4VV

[Non-text portions of this message have been removed]

5176. Re: Distorted sound from "Line-Out" (O2) - Problem found!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-07 16:18:08 UTC
From: pa1ap
Topic: 5159 Message: 5176

Thanks PETER! Great finding and good information on the 5Volt DC on the line output.

Confirmed that the Orion 565 has the same issue. The additional capacitor fixes the issue.

Thanks Peter!!!!!

73 onno pa1ap

--- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@...> wrote:
>
> Peter Frenning [OZ1PIF] skrev:
> > While working to set up a sound recording routine, I noticed that the
> > audio from the Line-Out pin (AUX I/O connector) is severely distorted
> > regardless of volume setting (Low/Med/High).
> > Using the exact same set up, but connected to the "Data" jack on my
> > FT-847 the recorded audio is fine (Even though it's even higher volume
> > than the "High" setting on the Orion).
> > Taking the AF from the radio into a SignaLink USB, and into Ubuntu 8.10
> > running Audacity. I've tried another USB "Soundcard" with the exact same
> > result.
> >
> > Has anybody else noticed this? or even found a cure?
> > And oh, BTW: Running 2.041XL Beta FW!
> >
> >
> Problem found: There's a 5V! DC component on the "Line-Out" pin!!!!!
> a 100nF in series with it solved the problem!
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> ** CW: Who? Me? You must be joking!! **
> email: peter(no-spam-filler)@...
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **********
>
>
>
>
> [Non-text portions of this message have been removed]

>

5177. Re: 565 Front end

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-07 16:45:37 UTC
From: pa1ap
Topic: 5141 Message: 5177

Glad this helped Dean. I found the members in this forum very responsive and its great we share idea's and findings.

On the firmware I personally prefer Ten-Tec releasing firmware as Beta rather then waiting until it might be perfect.

There is sense in what they modified after 2056 (read the release notes and you will see) but unfortunately it had negative impact on other area's.

I would suggest you keep this running for a week or so, get used to what you hear and then downgrade to 1.372 as Barry (N1EU) recommended. This way you can really compare the two and decide which one you prefer until Ten-tec releases the new firmware.

My best practise use of 2056 is to turn the VFO to an empty spot on the band and turn up the threshold until the s-meter "freezes" the band noise. Then you might decide to go back one step or not. This way you have best dynamic range and the band noise becomes stable and silent. I have set Decay somewhere between 10-20dB depending on mode of operation. For casual ssb conversion you can smooth the audio response a little more by introducing a hang-time of 0.08 second or so.

What you will find when using 2056 is that sound is clean and overal it works just fine. Spectrum display is shifted a few 100 Hz (who cares), bandstack is questionable but overall responses are good for all other functions. 2056 AGC will give you issues when there is static discharge causing very quick spikes on the band. Then 2056 seems to slow to recover from that and today you would need to increase the decay to higher value to compensate for this. This specific case they have tried to fix in later versions and it made the AGC very aggresive which you can see in the audio pictures.

I have documented & visualized the effect of threshold, decay and rf gain towards signal processing and will complete & upload this when time allows.

Enjoy the rig, its a great device.

Best regards,
Onno pa1ap

--- In orion565@yahoogroups.com, Dean Cobussen <dean@...> wrote:
>
> Onno, what a difference!! I am running 2.056 and i am amazed. I always
> felt the RCVR was harsh/noisy. Its a huge difference for my ears - the
> AGC performance is much better. Now the NR actually works properly!
> Previously the NR was very acute and hollow. I notice a delay in
> flicking through the VFO stack now and some other little quirks i can
> live with. I can not believe they released 2.062a to fix simple things
> and ruin the performance, its quite significant. The files you
> uploaded tell the story alright.
>

> Thanks for all your input and help mate!
>
> Dean ZL1COB
>
> PS: meter still not right, no change in this area
>
>
> On 5/05/2009, at 8:52 PM, pa1ap wrote:
>
> >
> >
> > Greetings Dean
> >
> > Below my log on the release 2 versions related to AGC function.
> > Agreed they might be subjective but it might help;
> >
> > FW DSP Comments
> > 2052 201b25 excellent, no agc distortion
> > 2055 201b26 excellent, no agc distortion
> > 2056 201b26 excellent, no agc distortion
> > 2057 202b3 agc spike distortion, master reset: no effect, mem reset:
> > some effect but not enough
> > 2060b 204b4 little better but still some distortion
> > 2061f 204b7 little better but still agc spikes
> > 2062a 205b7 agc spike distrotion, master reset: no effect, mem
> > reset: no effect
> > 2056 201b26 change back to see difference; again excellent and no
> > agc distortion.... seems dsp code & agc has been broken after 2056
> >
> > right now i am using 2056 and take the "bugs" for granted. You can
> > check the files / pa1ap agc stuff for the pdf document which shows
> > the agc distortion.
> >
> > I have downgraded yesterday to see how noise reducation was working
> > and it seems to work better then release 2. However somehow release
> > 1.372 is a little more uncomfortable to listening too, the sound
> > seems a bit hollow to my ears. I will upload some audio pictures
> > which show the difference.
> >
> > I recommend to up/downgrade to a version and use it for a couple of
> > days / weeks to get used to its behavior. Then change the firmware
> > (dont forget to do memory reset and master reset) and repeat the
> > cycle.
> >
> > Hope this helps, Onno
> >
> > --- In orion565@yahoogroups.com, Dean Cobussen <dean@> wrote:
> > >
> > > Thanks Yuri, i thought you may have been onto something there! It
> > did

> > > not work. I am surprised if it did for you. However, i am still
> > > running 2.062a and struggling to find the 2.056 version firmware.
> > >
> > > The HW noise blanker does drop the S meter reading to 1.5 on the S
> > > meter and stops the jumping. Its clearly internal interference of
> > some
> > > sort.
> > >
> > > Dean ZL1COB
> > >
> > >
> > > On 4/05/2009, at 9:14 PM, Yuri VE3XB wrote:
> > >
> > > >
> > > >
> > > > Dean,
> > > >
> > > > My S-meter does the same. To stop it turn Sweep OFF.
> > > >
> > > > 73 Yuri VE3XB
> > > >
> > > > ----- Original Message -----
> > > > From: Dean Cobussen
> > > >
> > > > Regarding your statement below:
> > > >
> > > > > When no antenna is connected and threshold is set to minimum and
> > > > > RFGAIN is set to 100 my s-meter reflects about S1.
> > > >
> > > > I assume a typical filter in place like 2.4Khz? Do you see the
> > meter
> > > > dance a bit or jump around at all? I find this odd.
> > > >
> > > > Dean ZL1COB
> > > >
> > > >
> > > >
> > > >
> > > >
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
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> >
> >
> [Non-text portions of this message have been removed]
>

5178. Re: 565 Front end

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-07 16:52:01 UTC
From: pa1ap
Topic: 5141 Message: 5178

perhaps you know already, but below an easy trick for operating ssb;

If you are operating ssb then the VFO dial speed might be a bit annoying since it seems to take forever to get to the right frequency. I have done the following and it works great for me;

1) set the encoder speed to fast instead of slow (default)
2) set the step size to 10Hz
3) push the VFO A (or B) button and you will see the step size as X100hZ
4) with this mode i am dialing over the band quickly but slowly enough to figure out where stations are
5) when finetuning is required I push the VFO button again and it switches back to 10Hz... This is accurate enough for ssb operation.

Since the VFO button is next to the big VFO dial it is easy to get used to this operational model.

Best regards,
Onno pa1ap

--- In orion565@yahoogroups.com, Dean Cobussen <dean@...> wrote:
>
> Onno, what a difference!! I am running 2.056 and i am amazed. I always
> felt the RCVR was harsh/noisy. Its a huge difference for my ears - the
> AGC performance is much better. Now the NR actually works properly!
> Previously the NR was very acute and hollow. I notice a delay in
> flicking through the VFO stack now and some other little quirks i can
> live with. I can not believe they released 2.062a to fix simple things
> and ruin the performance, its quite significant. The files you
> uploaded tell the story alright.
>
> Thanks for all your input and help mate!
>
> Dean ZL1COB
>
> PS: meter still not right, no change in this area
>
>
> On 5/05/2009, at 8:52 PM, pa1ap wrote:
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> >
> >
> > Greetings Dean
> >
> > Below my log on the release 2 versions related to AGC function.
> > Agreed they might be subjective but it might help;

> >
> > FW DSP Comments
> > 2052 201b25 excellent, no agc distortion
> > 2055 201b26 excellent, no agc distortion
> > 2056 201b26 excellent, no agc distortion
> > 2057 202b3 agc spike distortion, master reset: no effect, mem reset:
> > some effect but not enough
> > 2060b 204b4 little better but still some distortion
> > 2061f 204b7 little better but still agc spikes
> > 2062a 205b7 agc spike distrotion, master reset: no effect, mem
> > reset: no effect
> > 2056 201b26 change back to see difference; again excellent and no
> > agc distortion.... seems dsp code & agc has been broken after 2056
> >
> > right now i am using 2056 and take the "bugs" for granted. You can
> > check the files / pa1ap agc stuff for the pdf document which shows
> > the agc distortion.
> >
> > I have downgraded yesterday to see how noise reducation was working
> > and it seems to work better then release 2. However somehow release
> > 1.372 is a little more uncomfortable to listening too, the sound
> > seems a bit hollow to my ears. I will upload some audio pictures
> > which show the difference.
> >
> > I recommend to up/downgrade to a version and use it for a couple of
> > days / weeks to get used to its behavior. Then change the firmware
> > (dont forget to do memory reset and master reset) and repeat the
> > cycle.
> >
> > Hope this helps, Onno
> >
> > --- In orion565@yahoogroups.com, Dean Cobussen <dean@> wrote:
> > >
> > > Thanks Yuri, i thought you may have been onto something there! It
> > did
> > > not work. I am surprised if it did for you. However, i am still
> > > running 2.062a and struggling to find the 2.056 version firmware.
> > >
> > > The HW noise blanker does drop the S meter reading to 1.5 on the S
> > > meter and stops the jumping. Its clearly internal interference of
> > some
> > > sort.
> > >
> > > Dean ZL1COB
> > >
> > >
> > > On 4/05/2009, at 9:14 PM, Yuri VE3XB wrote:
> > >
> > > >
> > > > >

> > > > Dean,
> > > >
> > > > My S-meter does the same. To stop it turn Sweep OFF.
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> > > > 73 Yuri VE3XB
> > > >
> > > > ----- Original Message -----
> > > > From: Dean Cobussen
> > > >
> > > > Regarding your statement below:
> > > >
> > > > > When no antenna is connected and threshold is set to minimum and
> > > > > RFGAIN is set to 100 my s-meter reflects about S1.
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> > > > I assume a typical filter in place like 2.4Khz? Do you see the
> > meter
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> > > > Dean ZL1COB
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> > >
> > > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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5179. Re: VFO Tuning Rates

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-07 17:05:23 UTC
From: pa1ap
Topic: 5174 Message: 5179

Please consider the encoder resolution is limited to 62 or 250 steps...

This compared with other rigs using anywhere between 1000 and 2000 steps you might run into a suprise when dialing over the band using large steps.

Also the VFO does not apply fuzzy/adapting algorithms to learn the speed of rotation and translate this into incremental step size as is the case for most if not all japanees rigs. Fuzzy/adapting algorithms only make sense when the dial has sufficient resolution (in other words >1000 steps) to adapt the step size quick enough.

It would be great to have a 1000 step/rotation encoder and implement a speed adaptive step size to allow smooth bandtuning..

What do you need this large step size for? Very curious to learn the application!

Best regards,
Onno pa1ap

--- In orion565@yahoogroups.com, "nmbsun1" <nmbsun1@...> wrote:
>
> I need to know the fastest you can set the VFO tuning rate with the orion II. Most all of my rigs I have always set to 10k per revolution of the VFO. What is the max for the orion II?
>
> Thanks and 73, Sonny....AB4VV
>

5180. Re: VFO Tuning Rates

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-07 21:31:27 UTC
From: nmbsun1
Topic: 5174 Message: 5180

Dan, thanks for the info. I am seriously thinking of buying a new orion II but I read a RSGB review and got confused when they stated the tuning rate was not fast enough for SSB.

Let me make this real simple so I dont get confused.

My XYL has a rig that when turn the VFO and say you are on 3.825.00, one complete turn of the VFO will go to 3.827.00, which is 2k..To slow for me...

On my present rig one turn of the VFO is 5k or going from 3.825.00 to 3.830.00.....

So if as you say the steps are from 1 to 100k and 5k is in there then that is fine...

Thanks, Sonny....AB4VV

--- In orion565@yahoogroups.com, "Dan McKinley" <ky5dm@...> wrote:
>
> 1,10,1k,5k,10k,100k
>
> Are the 6 steps.
>
> Dan KY5DM
>
>
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of nmbsun1
> Sent: Thursday, May 07, 2009 9:17 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] VFO Tuning Rates
>
>
>
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>
>
>
>
>
> I need to know the fastest you can set the VFO tuning rate with the orion
> II. Most all of my rigs I have always set to 10k per revolution of the VFO.
> What is the max for the orion II?
>
> Thanks and 73, Sonny....AB4VV
>
>

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>
> [Non-text portions of this message have been removed]
>

5181. Re: VFO Tuning Rates

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-07 21:36:33 UTC
From: nmbsun1
Topic: 5174 Message: 5181

Thanks for taking the time to reply to my post but I dont understand what you are saying....

When you say 'steps' are you saying 1hz = a step?

To keep it simple say I am on 3.820.00 and I turn the VFO to the right, and if I go one complete turn of the VFO what would my freq. readout be ?

Sonny...AB4VV.....

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Please consider the encoder resolution is limited to 62 or 250 steps...
>
> This compared with other rigs using anywhere between 1000 and 2000 steps you might run into a suprise when dialing over the band using large steps.
>
> Also the VFO does not apply fuzzy/adapting algorithms to learn the speed of rotation and translate this into incremental step size as is the case for most if not all japanees rigs. Fuzzy/adapting algorithms only make sense when the dial has sufficient resolution (in other words >1000 steps) to adapt the step size quick enough.
>
> It would be great to have a 1000 step/rotation encoder and implement a speed adaptive step size to allow smooth bandtuning..
>
> What do you need this large step size for? Very curious to learn the application!
>
> Best regards,
> Onno pa1ap
>
>
> --- In orion565@yahoogroups.com, "nmbsun1" <nmbsun1@> wrote:
> >
> > I need to know the fastest you can set the VFO tuning rate with the orion II. Most all of my rigs I have always set to 10k per revolution of the VFO. What is the max for the orion II?
> >
> > Thanks and 73, Sonny....AB4VV
> >
>

5182. Re: [orion565] Re: VFO Tuning Rates

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-07 21:52:53 UTC
From: Alan Sewell N5NA
Topic: 5174 Message: 5182

The step rate is not per revolution. With the step set at 1 Hz, if you are on 3.820.000 and you turn the VFO to the right one step it reads 3.820.001. If it's set to 10 hz and you turn one step it reads 3.820.010. Set to 100 hz it reads 3.820.100. etc.

In the menu there is a setting for VFO A & B Encoder Rate. You can set it to Fast or Slow. With it set to fast and a 10 Hz step one revolution changes from 3.820.000 to 3.822.470 (approx. - hard to judge exactly one revolution). When set to Slow one revolution changes from 3.820.000 to 3.820.600.

Hope that helps.

73,

Alan N5NA

http://www.tentecwiki.org

nmbsun1 wrote:
> Thanks for taking the time to reply to my post but I dont understand what you are saying....
>
> When you say 'steps' are you saying 1hz = a step?
>
> To keep it simple say I am on 3.820.00 and I turn the VFO to the right, and if I go one complete turn of the VFO what would my freq. readout be ?
>
> Sonny...AB4VV.....
>
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
>> Please consider the encoder resolution is limited to 62 or 250 steps...
>>
>> This compared with other rigs using anywhere between 1000 and 2000 steps you might run into a suprise when dialing over the band using large steps.
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>> Also the VFO does not apply fuzzy/adapting algorithms to learn the speed of rotation and translate this into incremental step size as is the case for most if not all japanees rigs. Fuzzy/adapting algorithms only make sense when the dial has sufficient resolution (in other words >1000 steps) to adapt the step size quick enough.
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>> It would be great to have a 1000 step/rotation encoder and implement a speed adaptive step size to allow smooth bandtuning..
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>> What do you need this large step size for? Very curious to learn the application!
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>> Best regards,
>> Onno pa1ap
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>> --- In orion565@yahoogroups.com, "nmbsun1" <nmbsun1@> wrote:
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>>> I need to know the fastest you can set the VFO tuning rate with the orion II. Most all of my rigs I have always set to 10k per revolution of the VFO. What is the max for the orion II?
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> Yahoo! Groups Links
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5183. Re: [orion565] Re: VFO Tuning Rates

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-07 22:07:38 UTC
From: Dean Cobussen
Topic: 5174 Message: 5183

Sonny, here is some plain language - the rates of VFO tuning 1, 10, 100, 1Khz, 5Khz etc are minimum VFO steps or increments. If your on 100 (100hz) like i am often when shooting up and down the band, the read out displays in 0.1Khz jumps as i turn the dial. Its about 6-7Khz per turn for this setting and i find this fast enough for screaming up parts of the band on the Orion. However, i use VFO stacked presets spread over the band for faster jumping so i do not need to change this step setting often. 4 per band... so on 20m, i have the first one set for 14.070 - PSK for example and it stays on that. I can then push the band button and cycle through them easily in order. Same for reach band.

The Orion also has a nice finger dial on the VFO unlike some other rigs so this makes it easy. Trust me, there are more than enough step settings for you to do what you want, fast or slow... you will never use them all.

Dean ZL1COB

On 8/05/2009, at 9:36 AM, nmbsun1 wrote:

>
>
> Thanks for taking the time to reply to my post but I dont understand
> what you are saying....
>
> When you say 'steps' are you saying 1hz = a step?
>
> To keep it simple say I am on 3.820.00 and I turn the VFO to the
> right, and if I go one complete turn of the VFO what would my freq.
> readout be ?
>
> Sonny...AB4VV.....
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
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> > Please consider the encoder resolution is limited to 62 or 250
> steps...
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> > This compared with other rigs using anywhere between 1000 and 2000
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> large steps.
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> > Also the VFO does not apply fuzzy/adapting algorithms to learn the
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> > What do you need this large step size for? Very curious to learn
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> > Best regards,
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> > --- In orion565@yahoogroups.com, "nmbsun1" <nmbsun1@> wrote:
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> > > I need to know the fastest you can set the VFO tuning rate with
> the orion II. Most all of my rigs I have always set to 10k per
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> > >
> > > Thanks and 73, Sonny....AB4VV
> > >
> >
>
>
>

[Non-text portions of this message have been removed]

5184. Re: [orion565] Re: VFO Tuning Rates

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-07 23:01:36 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 5174 Message: 5184

Sonny,

If it helps, I've owned everything from the Best Icom (at the time) to Kenwoods to Yaesu, and the older Heath and Drake units.

Ten Tec is probably the best unit (electronically) that I've owned with far superior electronics than all of the above. The ONLY thing that I do not like about my Orion II is the 6 knobs to the right of the display (and controls behind those knobs). The have the look and feel of some inexpensive Radio Shack product. The VFO's are fine, the push buttons are ok, but those six knobs are "cheap". (If you have ever owned an Icom 756pro you will know the feeling of a MilSpec control!)

It's ruff 'n tuff and can pull the weak signals in. I'm primarily on SSB using my W2IHY audio products (EQ 8 bander & EQPlus) and get excellent audio and signal reports. My Ten Tec drives an Alpha 91b Legal Limit amp, with 39 watts from the Ten Tec providing 1500w output from the Alpha. I also use the Palstar AT-AUTO Legal Limit antenna tuner and an Ameritron Remote Coax Switch RCS-10. My GoldLine microphone was built by Bob Heil. As you can see, my station is almost 100% American made.

Plus, T*T has their 30 day return policy if you don't like it.

Good luck with your decision !

73,
Sam
K3SAM
Butler, Pa.

PS: The security system that guards all of the above is also American made, hihi.

From: nmbsun1 <nmbsun1@...>
To: orion565@yahoogroups.com
Sent: Thursday, May 7, 2009 5:31:27 PM
Subject: [orion565] Re: VFO Tuning Rates

Dan, thanks for the info. I am seriously thinking of buying a new orion II but I read a RSGB review and got confused when they stated the tuning rate was not fast enough for SSB.

Let me make this real simple so I dont get confused.

My XYL has a rig that when turn the VFO and say you are on 3.825.00, one complete turn of the VFO will go to 3.827.00, which is 2k..To slow for me...

On my present rig one turn of the VFO is 5k or going from 3.825.00 to 3.830.00.... .

So if as you say the steps are from 1 to 100k and 5k is in there then that is fine...

Thanks, Sonny....AB4VV

--- In orion565@yahoogroup s.com, "Dan McKinley" <ky5dm@...> wrote:
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> 1,10,1k,5k,10k, 100k
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> Dan KY5DM
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> From: orion565@yahoogroup s.com [mailto:orion565@yahoogroup s.com] On Behalf
> Of nmbsun1
> Sent: Thursday, May 07, 2009 9:17 AM
> To: orion565@yahoogroup s.com
> Subject: [orion565] VFO Tuning Rates
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> I need to know the fastest you can set the VFO tuning rate with the orion
> II. Most all of my rigs I have always set to 10k per revolution of the VFO.
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> Thanks and 73, Sonny....AB4VV
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

5186. RE: [orion565] WTB Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-08 02:34:08 UTC
From: Ed Pflueger
Topic: 4635 Message: 5186

He is a SK WO7A

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Ned Landis
Sent: Tuesday, May 05, 2009 7:44 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] WTB Orion II

Terry, I just saw your ad wanting to buy an Orion II. I have one purchased in 2/07 that is in perfect condition. Did you buy one yet? Mine was bought new for $4,295 and am asking $3,000. Manual, DVD & original box & packing materials are available for shipping. My husband loved it, but he recently died, and I would like to find a new home for it. I'm asking what TenTec would pay for it, but they would mark it up from there. Please email me at ned1@jeffnet. <mailto:ned1%40jeffnet.org> org if you are interested or know of anyone who is interested. thank you, Susan (wife of WO7A)

--- On Thu, 1/1/09, w3qj37 <tlp1@vzavenue. <mailto:tlp1%40vzavenue.net> net> wrote:

From: w3qj37 <tlp1@vzavenue. <mailto:tlp1%40vzavenue.net> net>
Subject: [orion565] WTB Orion II
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Date: Thursday, January 1, 2009, 11:05 PM

Want to buy Orion II. All offers graciously considered. If you are considering selling yours, please consider contacting me @ 214-298-2768, or email tlp1@vzavenue. net. I'm hoping anyone that considers contacting me about selling theirs wouldn't mind emailing me some clear pictures, and mind telling me a little about the radio, such as 1st, 2nd, 3rd...ownership, how old it is etc. I'm not in the radio resale business, just an individual looking for a fair deal on an Orion II. I prefer to pay with pay pal, but will consider other methods of payment to meet sellers requirements. Please consider contacting me if you have one to sell.

Many thanks to the group owner for letting me post this and all who take time to read it.

All the best,

Terry-W3QJ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5187. RE: [orion565] WTB Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-08 02:58:21 UTC
From: tperry
Topic: 4635 Message: 5187

Yes, thank you I understand.

I did contact Susan by email, and explained I had already found one. I believe that is a very fair price ($3,000) if the radio has the optional AT, and the optional roofing filters installed. I have recently seen others selling the 566 non-AT without the optional filters asking $3,500-$3700.00 used. Both radios were on ebay, and the auctions ended with no sale I believe. I hear some of these same people complain about folks selling used ham equipment at inordinately high prices, yet when they put their gear up for sale, they want top dollar (of course). Double standard.

However, I believe Mrs.. Landis is asking a very fair price for the Orion II. If I hadn't found one already, I would buy it. Hopefully those hams close to her and her late husband will list it on some of the on air swap nets.

My sincerest condolences to Mrs.. Landis.

W3VR

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Ed Pflueger
Sent: Thursday, May 07, 2009 9:34 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] WTB Orion II

He is a SK WO7A

-----Original Message-----
From: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com [mailto:orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com] On Behalf
Of Ned Landis
Sent: Tuesday, May 05, 2009 7:44 PM
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Subject: Re: [orion565] WTB Orion II

Terry, I just saw your ad wanting to buy an Orion II. I have one purchased in 2/07 that is in perfect condition. Did you buy one yet? Mine was bought new for $4,295 and am asking $3,000. Manual, DVD & original box & packing materials are available for shipping. My husband loved it, but he recently died, and I would like to find a new home for it. I'm asking what TenTec would pay for it, but they would mark it up from there. Please email me at ned1@jeffnet. <mailto:ned1%40jeffnet.org> org if you are interested or know of anyone who is interested. thank you, Susan (wife of WO7A)

--- On Thu, 1/1/09, w3qj37 <tlp1@vzavenue. <mailto:tlp1%40vzavenue.net> net> wrote:

From: w3qj37 <tlp1@vzavenue. <mailto:tlp1%40vzavenue.net> net>
Subject: [orion565] WTB Orion II
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Date: Thursday, January 1, 2009, 11:05 PM

Want to buy Orion II. All offers graciously considered. If you are considering selling yours, please consider contacting me @ 214-298-2768, or email tlp1@vzavenue. net. I'm hoping anyone that considers contacting me about selling theirs wouldn't mind emailing me some clear pictures, and mind telling me a little about the radio, such as 1st, 2nd, 3rd...ownership, how old it is etc. I'm not in the radio resale business, just an individual looking for a fair deal on an Orion II. I prefer to pay with pay pal, but will consider other methods of payment to meet sellers requirements. Please consider contacting me if you have one to sell.

Many thanks to the group owner for letting me post this and all who take time to read it.

All the best,

Terry-W3QJ

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

5188. RE: [orion565] WTB Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-08 05:04:21 UTC
From: Tony Lelieveld
Topic: 4635 Message: 5188

I purchased the TenTec Tuner from Mrs. Landis. I talked with her personally over the phone and she is very sincere and, in my opinion, very trustworthy. She still has the original shipping boxes for both items. The Orion-II is, for $3000, a good deal.

73, Tony Lelieveld VE3DWI

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of tperry
Sent: May 7, 2009 22:58
To: orion565@yahoogroups.com
Subject: RE: [orion565] WTB Orion II

Yes, thank you I understand.

I did contact Susan by email, and explained I had already found one. I believe that is a very fair price ($3,000) if the radio has the optional AT, and the optional roofing filters installed. I have recently seen others selling the 566 non-AT without the optional filters asking $3,500-$3700.00 used. Both radios were on ebay, and the auctions ended with no sale I believe. I hear some of these same people complain about folks selling used ham equipment at inordinately high prices, yet when they put their gear up for sale, they want top dollar (of course). Double standard.

However, I believe Mrs.. Landis is asking a very fair price for the Orion II. If I hadn't found one already, I would buy it. Hopefully those hams close to her and her late husband will list it on some of the on air swap nets.

My sincerest condolences to Mrs.. Landis.

W3VR

From: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com [mailto:orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com] On Behalf Of Ed Pflueger
Sent: Thursday, May 07, 2009 9:34 PM
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Subject: RE: [orion565] WTB Orion II

He is a SK WO7A

-----Original Message-----
From: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
[mailto:orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com] On
Behalf
Of Ned Landis
Sent: Tuesday, May 05, 2009 7:44 PM
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Subject: Re: [orion565] WTB Orion II

Terry, I just saw your ad wanting to buy an Orion II. I have one purchased in 2/07 that is in perfect condition. Did you buy one yet? Mine was bought new for $4,295 and am asking $3,000. Manual, DVD & original box & packing materials are available for shipping. My husband loved it, but he recently died, and I would like to find a new home for it. I'm asking what TenTec would pay for it, but they would mark it up from there. Please email me at ned1@jeffnet. <mailto:ned1%40jeffnet.org> org if you are interested or know of anyone who is interested. thank you, Susan (wife of WO7A)

--- On Thu, 1/1/09, w3qj37 <tlp1@vzavenue. <mailto:tlp1%40vzavenue.net> net> wrote:

From: w3qj37 <tlp1@vzavenue. <mailto:tlp1%40vzavenue.net> net>
Subject: [orion565] WTB Orion II
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Date: Thursday, January 1, 2009, 11:05 PM

Want to buy Orion II. All offers graciously considered. If you are considering selling yours, please consider contacting me @ 214-298-2768, or email tlp1@vzavenue. net. I'm hoping anyone that considers contacting me about selling theirs wouldn't mind emailing me some clear pictures, and mind telling me a little about the radio, such as 1st, 2nd, 3rd...ownership, how old it is etc. I'm not in the radio resale business, just an individual looking for a fair deal on an Orion II. I prefer to pay with pay pal, but will consider other methods of payment to meet sellers requirements. Please consider contacting me if you have one to sell.

Many thanks to the group owner for letting me post this and all who take time to read it.

All the best,

Terry-W3QJ

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

5189. Re: [orion565] VFO Tuning Rates

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-08 08:12:11 UTC
From: Adam Wade
Topic: 5174 Message: 5189

From: Dan McKinley <ky5dm@...>
To: orion565@yahoogroups.com
Sent: Thursday, May 7, 2009 7:20:27 AM
Subject: RE: [orion565] VFO Tuning Rates

> 1,10,1k,5k,10k, 100k
> Are the 6 steps.

Yeah, but that's the change per DETENT, not per REVOLUTION. In the 100k setting (that's changing the frequency in 100k STEPS), I can cover 10m top to bottom in one quarter of a revolution of the VFO dial.

! Adam Wade -==- AF6ME -==- Ten-Tec Orion & SteppIR BiggIR Mk III !
! "I write down everything I want to remember. That way, instead !
! of spending a lot of time trying to remember what it is I wrote !
! down, I spend z time looking for the paper I wrote it down on." !
! - Beryl Pfizer -=- http://www.allthings550.com !

5190. RE: [orion565] WTB Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-08 10:00:25 UTC
From: tlp1@vzavenue.net
Topic: 4635 Message: 5190

God bless you Tony.

That's great. I'm happy for her that she was able to sell it,
and happy for you that you were able to buy it from her.

Best wishes to the both of you.

W3VR

5191. Tuning rate

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-08 12:36:57 UTC
From: Pat G.
Topic: 5191 Message: 5191

I just set my step rate to 100k, hit the Main RX button again to add the multiplier. Now I go from 3.50 to 4.0 from 12 o'clock to just past 1 o'clock.

That should be plenty fast.

--

Pat Garrett
73 de wd4pg
www.wd4pg.com
www.centerpointefellowship.com
Obama - just a guy who got elected...
Obama - Chains you can believe in!

5193. Re: [orion565] Good Bye To The Group.... I Give Up !!!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-08 15:38:29 UTC
From: Alan Sewell N5NA
Topic: 5192 Message: 5193

Wow. My answer on May 7 stated:

"In the menu there is a setting for VFO A & B Encoder Rate. You can set it to Fast or Slow. With it set to fast and a 10 Hz step one revolution changes from 3.820.000 to 3.822.470 (approx. - hard to judge exactly one revolution). When set to Slow one revolution changes from 3.820.000 to 3.820.600."

http://groups.yahoo.com/group/orion565/message/5182

Don't know how you can get much clearer than that. There is not a simple button press that sets the tuning to 1 kc/rev, 5 kc/rev, 100 kc/rev etc. There are several settings that affect the kc/rev.

73,

Alan N5NA

http://www.tentecwiki.org

nmbsun1 wrote:
> My original question went something like this:
>
> "What is the tuning rate of the VFO of the Orion II. That is, one complete revolution of the VFO. Even to make this easier to understand, I gave an example i.e. "If my readout is 3.820 and I turn the VFO to the right one complete revolution what would my readout be?" How much simpler can it get to answer my question? I got everything BUT the answer.
>
> Thinking that perhaps I did not word it right I asked everyone of my ham friends on my email list the same question and received plain and simple to the point answers. Like from one I got "I can set this rig to 3 settings. 1st is 1kc per revolution, then 5kc per revolution, then 100kc per revolution"......
>
> Could someone explain why no one can answer a simple question about the Orion II ? Or is the Orion II so complicated that no one can figure it out ?????
>
> 73, and good bye AB4VV.........
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> Yahoo! Groups Links
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5194. RE: [orion565] Good Bye To The Group.... I Give Up !!!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-08 15:44:04 UTC
From: Dan McKinley
Topic: 5192 Message: 5194

Ok.

14.300 with a step of 1 moved one complete revolution go's to APPROXIMATELY 14.300.070 =70hz per rotation

I run it on 100hz most of the time and all is good. 14.300 on 100 hz with 1 revolution gives me approx: 14.306.700= 6.7kc per revolution

If I set it to 14.300 and the step to 100k, then it will top out the receiver at 15.000 by just turning the knob approximately half way.

Now how fast do you want to turn the knob?

Isn't that fast enough?

Anyway have a nice day.

Dan

KY5DM

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of nmbsun1
Sent: Friday, May 08, 2009 10:21 AM
To: orion565@yahoogroups.com
Subject: [orion565] Good Bye To The Group.... I Give Up !!!

My original question went something like this:

"What is the tuning rate of the VFO of the Orion II. That is, one complete revolution of the VFO. Even to make this easier to understand, I gave an example i.e. "If my readout is 3.820 and I turn the VFO to the right one complete revolution what would my readout be?" How much simpler can it get to answer my question? I got everything BUT the answer.

Thinking that perhaps I did not word it right I asked everyone of my ham friends on my email list the same question and received plain and simple to the point answers. Like from one I got "I can set this rig to 3 settings. 1st is 1kc per revolution, then 5kc per revolution, then 100kc per revolution"......

Could someone explain why no one can answer a simple question about the Orion II ? Or is the Orion II so complicated that no one can figure it out ?????

73, and good bye AB4VV.....

[Non-text portions of this message have been removed]

5195. Re: [orion565] Good Bye To The Group.... I Give Up !!!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-08 15:44:23 UTC
From: Rob - G4LMW
Topic: 5192 Message: 5195

Sonny

Don't be too hasty. I think that the question kept just going astray......

I have an Orion I but as far as I know the 2 are the same in respect of tuning capabilities.

In a nutshell, you get (approx) 65 "steps" per revolution (at least, I did when I tried it!).

i.e. on the 1Hz step setting, one VFO dial revolution = 65Hz

1Hz = 65Hz per turn
10Hz = 650Hz per turn
100Hz = 6.5kHz per turn
1kHz = 65 kHz per turn
5kHz = 325kHz per turn
10kHz = 650kHz per turn
100kHz = 6.5MHz per turn (not sure why you would want this setting!)

Hope you will stay

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "nmbsun1" <nmbsun1@...>
To: <orion565@yahoogroups.com>
Sent: Friday, May 08, 2009 4:21 PM
Subject: [orion565] Good Bye To The Group.... I Give Up !!!

> My original question went something like this:
>
> "What is the tuning rate of the VFO of the Orion II. That is, one complete
> revolution of the VFO. Even to make this easier to understand, I gave an
> example i.e. "If my readout is 3.820 and I turn the VFO to the right one
> complete revolution what would my readout be?" How much simpler can it get
> to answer my question? I got everything BUT the answer.
>
> Thinking that perhaps I did not word it right I asked everyone of my ham
> friends on my email list the same question and received plain and simple
> to the point answers. Like from one I got "I can set this rig to 3
> settings. 1st is 1kc per revolution, then 5kc per revolution, then 100kc
> per revolution"......
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> Could someone explain why no one can answer a simple question about the

> Orion II ? Or is the Orion II so complicated that no one can figure it out
> ?????
>
> 73, and good bye AB4VV.....
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> Yahoo! Groups Links
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5196. Re: Good Bye To The Group.... I Give Up !!!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-08 15:46:48 UTC
From: nmbsun1
Topic: 5192 Message: 5196

Alan,

I do apologize to you as I did go back and read what you said. As far as I can tell you are the only one to answer the question. I did reply to your answer but it never showed up here as I stated something to the effect that "with a tuning rate that slow I would not like it for SSB, even the RSGB review stated the tuning rate was too slow for SSB" Perhaps the owners of this group did not like my response!

73, AB4VV

--- In orion565@yahoogroups.com, Alan Sewell N5NA <alan.n5na@...> wrote:
>
> Wow. My answer on May 7 stated:
>
> "In the menu there is a setting for VFO A & B Encoder Rate. You can set
> it to Fast or Slow. With it set to fast and a 10 Hz step one revolution
> changes from 3.820.000 to 3.822.470 (approx. - hard to judge exactly one
> revolution). When set to Slow one revolution changes from 3.820.000 to
> 3.820.600."
>
> http://groups.yahoo.com/group/orion565/message/5182
>
> Don't know how you can get much clearer than that. There is not a
> simple button press that sets the tuning to 1 kc/rev, 5 kc/rev, 100
> kc/rev etc. There are several settings that affect the kc/rev.
>
> 73,
>
> Alan N5NA
>
> http://www.tentecwiki.org
>
>
>
> nmbsun1 wrote:
> > My original question went something like this:
> >
> > "What is the tuning rate of the VFO of the Orion II. That is, one complete revolution of the VFO. Even to make this easier to understand, I gave an example i.e. "If my readout is 3.820 and I turn the VFO to the right one complete revolution what would my readout be?" How much simpler can it get to answer my question? I got everything BUT the answer.
> >
> > Thinking that perhaps I did not word it right I asked everyone of my ham friends on my email list the same question and received plain and simple to the point answers. Like from one I got "I can set this rig to 3 settings. 1st is 1kc per revolution, then 5kc per revolution, then 100kc per revolution"......

> >
> > Could someone explain why no one can answer a simple question about the Orion II ? Or is the Orion II so complicated that no one can figure it out ?????
> >
> > 73, and good bye AB4VV.....
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> > Yahoo! Groups Links
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5197. Re: [orion565] Good Bye To The Group.... I Give Up !!!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-08 15:51:58 UTC
From: Rob - G4LMW
Topic: 5192 Message: 5197

I should have added that the findings below are for the "slow" VFO encoder rate.

For the fast encoder rate, multiply by a factor of (approx) 4.

Sonny - I should add that if you wanted a simple answer, you have chosen the wrong radio. It effectively has 14 step choices, so the simple answer is hard to give!

However, I would find it difficult to believe that you cannot find a tuning rate that would satisfy your needs!

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Rob - G4LMW" <G4LMW@...>
To: <orion565@yahoogroups.com>
Sent: Friday, May 08, 2009 4:44 PM
Subject: Re: [orion565] Good Bye To The Group.... I Give Up !!!

> Sonny
>
> Don't be too hasty. I think that the question kept just going astray......
>
> I have an Orion I but as far as I know the 2 are the same in respect of
> tuning capabilities.
>
> In a nutshell, you get (approx) 65 "steps" per revolution (at least, I did
> when I tried it!).
>
> i.e. on the 1Hz step setting, one VFO dial revolution = 65Hz
>
> 1Hz = 65Hz per turn
> 10Hz = 650Hz per turn
> 100Hz = 6.5kHz per turn
> 1kHz = 65 kHz per turn
> 5kHz = 325kHz per turn
> 10kHz = 650kHz per turn
> 100kHz = 6.5MHz per turn (not sure why you would want this setting!)
>
> Hope you will stay
>
> 73, Rob
> G4LMW

> http://www.G4LMW.co.uk
>
>
>
> ----- Original Message -----
> From: "nmbsun1" <nmbsun1@...>
> To: <orion565@yahoogroups.com>
> Sent: Friday, May 08, 2009 4:21 PM
> Subject: [orion565] Good Bye To The Group.... I Give Up !!!
>
>
>> My original question went something like this:
>>
>> "What is the tuning rate of the VFO of the Orion II. That is, one
>> complete
>> revolution of the VFO. Even to make this easier to understand, I gave an
>> example i.e. "If my readout is 3.820 and I turn the VFO to the right one
>> complete revolution what would my readout be?" How much simpler can it
>> get
>> to answer my question? I got everything BUT the answer.
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>> Thinking that perhaps I did not word it right I asked everyone of my ham
>> friends on my email list the same question and received plain and simple
>> to the point answers. Like from one I got "I can set this rig to 3
>> settings. 1st is 1kc per revolution, then 5kc per revolution, then 100kc
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>>
>> 73, and good bye AB4VV.........
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> Yahoo! Groups Links

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5198. Re: [orion565] Good Bye To The Group.... I Give Up !!!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-08 16:42:03 UTC
From: Frank Ross W4NHJ
Topic: 5192 Message: 5198

Since you seem so negative towards those who tried to help, I can't believe you couldn't figure it out yourself.

Frank

----- Original Message -----
From: Rob - G4LMW
To: orion565@yahoogroups.com
Sent: Friday, May 08, 2009 11:51 AM
Subject: Re: [orion565] Good Bye To The Group.... I Give Up !!!

I should have added that the findings below are for the "slow" VFO encoder rate.

For the fast encoder rate, multiply by a factor of (approx) 4.

Sonny - I should add that if you wanted a simple answer, you have chosen the wrong radio. It effectively has 14 step choices, so the simple answer is hard to give!

However, I would find it difficult to believe that you cannot find a tuning rate that would satisfy your needs!

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Rob - G4LMW" <G4LMW@...>
To: <orion565@yahoogroups.com>
Sent: Friday, May 08, 2009 4:44 PM
Subject: Re: [orion565] Good Bye To The Group.... I Give Up !!!

> Sonny
>
> Don't be too hasty. I think that the question kept just going astray......
>
> I have an Orion I but as far as I know the 2 are the same in respect of
> tuning capabilities.
>
> In a nutshell, you get (approx) 65 "steps" per revolution (at least, I did
> when I tried it!).
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> i.e. on the 1Hz step setting, one VFO dial revolution = 65Hz
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> 1Hz = 65Hz per turn
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> Hope you will stay
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
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>
>
> ----- Original Message -----
> From: "nmbsun1" <nmbsun1@...>
> To: <orion565@yahoogroups.com>
> Sent: Friday, May 08, 2009 4:21 PM
> Subject: [orion565] Good Bye To The Group.... I Give Up !!!
>
>
>> My original question went something like this:
>>
>> "What is the tuning rate of the VFO of the Orion II. That is, one
>> complete
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>> example i.e. "If my readout is 3.820 and I turn the VFO to the right one
>> complete revolution what would my readout be?" How much simpler can it
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>> settings. 1st is 1kc per revolution, then 5kc per revolution, then 100kc
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>> Could someone explain why no one can answer a simple question about the
>> Orion II ? Or is the Orion II so complicated that no one can figure it
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>> ?????
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>> 73, and good bye AB4VV.........
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[Non-text portions of this message have been removed]

5199. Re: [orion565] Good Bye To The Group.... I Give Up !!!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-08 17:36:44 UTC
From: tlp1@vzavenue.net
Topic: 5192 Message: 5199

Sheesh.....what a childish petty little thing to get upset
about.

W3VR

5200. Re: [orion565] Re: Good Bye To The Group.... I Give Up !!!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-08 19:53:26 UTC
From: Alan Sewell N5NA
Topic: 5192 Message: 5200

Everyone has their preferences but I don't know why the RSGB review stated the tuning rate was too slow for SSB. I keep mine set to 10 Hz steps with the encoder set to slow for CW, SSB, & RTTY. It's never been a problem and I've had my Orion since May, 2003.

I'm a member of the tentec@... reflector, the Ten-Tec Yahoo Group, and this group and I don't recall anyone ever complaining about the tuning rate or even this much discussion about it. As someone has already stated, there are so many choices you can set it would be hard to believe you can't find something you like.

73,

Alan N5NA

http://www.tentecwiki.org

nmbsun1 wrote:
> Alan,
>
> I do apologize to you as I did go back and read what you said. As far as I can tell you are the only one to answer the question. I did reply to your answer but it never showed up here as I stated something to the effect that "with a tuning rate that slow I would not like it for SSB, even the RSGB review stated the tuning rate was too slow for SSB" Perhaps the owners of this group did not like my response!
>
> 73, AB4VV
>
> --- In orion565@yahoogroups.com, Alan Sewell N5NA <alan.n5na@...> wrote:
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>> Wow. My answer on May 7 stated:
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>> "In the menu there is a setting for VFO A & B Encoder Rate. You can set
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>> revolution). When set to Slow one revolution changes from 3.820.000 to
>> 3.820.600."
>>
>> http://groups.yahoo.com/group/orion565/message/5182
>>
>> Don't know how you can get much clearer than that. There is not a
>> simple button press that sets the tuning to 1 kc/rev, 5 kc/rev, 100
>> kc/rev etc. There are several settings that affect the kc/rev.
>>
>> 73,
>>

>> Alan N5NA
>>
>> http://www.tentecwiki.org
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>

5201. RE: [orion565] Good Bye To The Group.... I Give Up !!!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-08 20:01:58 UTC
From: Dan McKinley
Topic: 5192 Message: 5201

AB4VV,

Most hams are glad to answer any question you submit and try to give good advice.

Sorry you have an issue with the group.

Remember they were only trying to help and I'm sure will do so in the future.

Good hamming.

73'sssssssssss

Dan ky5dm

Please keep all responses friendly.

It is a great hobby.

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Frank Ross W4NHJ
Sent: Friday, May 08, 2009 11:42 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Good Bye To The Group.... I Give Up !!!

Since you seem so negative towards those who tried to help, I can't believe you couldn't figure it out yourself.

Frank

----- Original Message -----
From: Rob - G4LMW
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Sent: Friday, May 08, 2009 11:51 AM
Subject: Re: [orion565] Good Bye To The Group.... I Give Up !!!

I should have added that the findings below are for the "slow" VFO encoder rate.

For the fast encoder rate, multiply by a factor of (approx) 4.

Sonny - I should add that if you wanted a simple answer, you have chosen the

wrong radio. It effectively has 14 step choices, so the simple answer is hard to give!

However, I would find it difficult to believe that you cannot find a tuning rate that would satisfy your needs!

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Rob - G4LMW" <G4LMW@... <mailto:G4LMW%40btconnect.com> >
To: <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> >
Sent: Friday, May 08, 2009 4:44 PM
Subject: Re: [orion565] Good Bye To The Group.... I Give Up !!!

> Sonny
>
> Don't be too hasty. I think that the question kept just going astray......
>
> I have an Orion I but as far as I know the 2 are the same in respect of
> tuning capabilities.
>
> In a nutshell, you get (approx) 65 "steps" per revolution (at least, I did
> when I tried it!).
>
> i.e. on the 1Hz step setting, one VFO dial revolution = 65Hz
>
> 1Hz = 65Hz per turn
> 10Hz = 650Hz per turn
> 100Hz = 6.5kHz per turn
> 1kHz = 65 kHz per turn
> 5kHz = 325kHz per turn
> 10kHz = 650kHz per turn
> 100kHz = 6.5MHz per turn (not sure why you would want this setting!)
>
> Hope you will stay
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
>
>
>
> ----- Original Message -----
> From: "nmbsun1" <nmbsun1@... <mailto:nmbsun1%40yahoo.com> >
> To: <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> >
> Sent: Friday, May 08, 2009 4:21 PM
> Subject: [orion565] Good Bye To The Group.... I Give Up !!!
>
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>> My original question went something like this:
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>> "What is the tuning rate of the VFO of the Orion II. That is, one
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>> example i.e. "If my readout is 3.820 and I turn the VFO to the right one
>> complete revolution what would my readout be?" How much simpler can it

>> get
>> to answer my question? I got everything BUT the answer.
>>
>> Thinking that perhaps I did not word it right I asked everyone of my ham
>> friends on my email list the same question and received plain and simple
>> to the point answers. Like from one I got "I can set this rig to 3
>> settings. 1st is 1kc per revolution, then 5kc per revolution, then 100kc
>> per revolution"......
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>> Could someone explain why no one can answer a simple question about the
>> Orion II ? Or is the Orion II so complicated that no one can figure it
>> out
>> ?????
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>> 73, and good bye AB4VV.........
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>> Yahoo! Groups Links
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5202. Re: Good Bye To The Group.... I Give Up !!!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-08 22:54:50 UTC
From: nmbsun1
Topic: 5192 Message: 5202

When the price of the ten tec orion II is 4,600 I want to know all I can about it before I lay down my hard earned money. If you feel my questions are petty and childish then why dont you just buy me an orion II and I will quit asking questions and just be your 'yes' man! LOL

Listen, seriously when I read what Peter Hart, G3SJX wrote in the review of the ten tec orion II I wanted to know what he was talking about. He stated,

"My biggest disappointment concerns the
VFO tuning knob resolution. These are nice
and large and can tune in a variety of step
sizes from 1Hz to 100kHz but at only 62
(default) or 250 steps per knob revolution.
This may be fine for tuning the CW ends of
the lower bands but is not ideal for the
wider SSB sectors on the higher bands.
Even 20 years ago, 1000 steps per knob
revolution was the norm in top end radios
and this degree of resolution has been used
since then in the most popular models. It
gives a good compromise between small
step size for accurate tuning and fast band
navigation. With the Orion, it is necessary
to switch back and forth between step
sizes when tuning across the SSB sectors.
A button is provided for this purpose."

Understand now ?

AB4VV

--- In orion565@yahoogroups.com, <tlp1@...> wrote:
>
> Sheesh.....what a childish petty little thing to get upset
> about.
>
> W3VR
>

5203. Re: Good Bye To The Group.... I Give Up !!!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-08 23:05:55 UTC
From: DC
Topic: 5192 Message: 5203

AB4VV,

Your anger towards this group is beyond ridiculous. This group owes you nothing, so your frustration at not getting your desired answer is misplaced. If you have questions you want answered before you plunk down your cash, then call Tentec. They're the ones who owe you answers since they stand to get your money.

IMHO, what is childish and petty is your threat to leave the group over your dissatisfaction with the answers you've received.

Enough.

K8JDC

--- In orion565@yahoogroups.com, "nmbsun1" <nmbsun1@...> wrote:
>
> When the price of the ten tec orion II is 4,600 I want to know all I can about it before I lay down my hard earned money. If you feel my questions are petty and childish then why dont you just buy me an orion II and I will quit asking questions and just be your 'yes' man! LOL
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> (default) or 250 steps per knob revolution.
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> Even 20 years ago, 1000 steps per knob
> revolution was the norm in top end radios
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> since then in the most popular models. It
> gives a good compromise between small
> step size for accurate tuning and fast band
> navigation. With the Orion, it is necessary
> to switch back and forth between step
> sizes when tuning across the SSB sectors.
> A button is provided for this purpose."
>
> Understand now ?
>
> AB4VV

>
>
>
> --- In orion565@yahoogroups.com, <tlp1@> wrote:
> >
> > Sheesh.....what a childish petty little thing to get upset
> > about.
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> > W3VR
> >
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5204. Re: [orion565] Re: Good Bye To The Group.... I Give Up !!!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-08 23:38:29 UTC
From: Barry N1EU
Topic: 5192 Message: 5204

On Fri, May 8, 2009 at 10:54 PM, nmbsun1 <nmbsun1@...> wrote:

> With the Orion, it is necessary
> to switch back and forth between step
> sizes when tuning across the SSB sectors.
> A button is provided for this purpose."
>
> Understand now ?

This is hogwash. The 2.5Khz per revolution is fine for tuning up/down while looking for signals. To tune fast, you just tap the "Main RX" button and X100 tuning rate is engaged for fast tuning. After you get where you want, you tap Main RX again and X100 is turned off. Easy as pie.

73,
Barry N1EU

5205. Re: Good Bye To The Group.... I Give Up !!!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-08 23:44:42 UTC
From: w3qj37
Topic: 5192 Message: 5205

Right........friendly is as friendly does.

I believe the Yahoo Orion, and Omni VII are great groups for the most part.

However,

This guy did the same thing on the Omni VII group too with his misunderstanding of pass band tuning, roofing filters, etc, and just basic HF receiver design. It's one thing to ask questions, but if an operator doesn't have a clue on how the basic controls of their equipment works, and won't spend the time to read the manual and figure it out them self, or at least make a diligent attempt to do so before asking questions, perhaps they have no business with the equipment to start with.

Ten Tec, any other equipment mfr, or any internet forum/email reflector is not obligated to teach an extra class operator basic HF radio XCVR design, and basic equipment operating skills.

Out of all the radios I have, the Orion II is one the most simple to use in any mode it is capable of. I also have the PROIII, the IC7700, and the R&S XK2100. I love all my radios for different reasons. If someone told me I could only keep one of the 4, it would be a very close tie between the XK2100 and the 566AT.

I've been in aircraft maintenance, and avionics (aircraft electronics) for over thirty years. Ever took an inventory of the mechanical & electronics/electrics/hydraulics/pneumatics/environmental systems in a moderate sized CAR 4, or 14CFR part 25 aircraft such as a Gulfstream GII/II/IV, or a Bombardier Global Express? 2-way radio communication equipment is a very small part of all the systems that an aircraft has. With the proper test equipment, and the aircraft and equipment manuals, I can (and have) trouble shot most any system in the aircraft, and effect a repair.

None of that is any big deal at all. It doesn't make me any smarter, or any better than any one else.

But......knowledge of the basic mechanics and electronics goes along way, and also knowing how to analyze a situation goes a long way to figuring out a gamut of things electronic, electric, and mechanical.

Passing any kind of a test for a license (virtually any license) now, or 30 years ago is not indicative of how much real usable knowledge the licensee has. My dad let me work summers for him in his radio shop when I was a teenager, but only after I studied for and got my FCC First Class Phone (now GROL) license. Tested in front of good ol' Uncle Charlie examiner in downtown big "D", TX. I didn't start learning anything about radio until I started working on them. Same then as it is now. And yes, certain circuits were drawn from memory. Sound familiar? Formulas and their understanding from memory in order to work the theory problems. Sound familiar? Could I properly draw any of those cartoons today, probably not. Could you?

I've had my FAA Airframe and Powerplant license for 22 years. Question pool for A&P exam is 2400 possible questions. For the A&P three paper exams, and oral and practical exam in front of a Designated Mechanic Examiner. General-50 questions, Airframe-100 questions, Powerplant-100 questions. And only after you pass those paper examinations with at least 70% correct, are you entitled to take the 8 hour Oral and Practical exam in front of the FAA examiner.
Yep, knowing the material vs. memorizing the questions is the way to go.

I didn't know much about aircraft until I started working on them. But, I had to have the license first before I could. Same then as it is now.

"It is a great hobby."

Yes it can be. As with many things, you get out of it what you put into it. Please kindly don't assume that just because some has only held their ham license a couple of years, that they don't know squat. I've met some absolutely wonderful people on HF, that were extremely knowledgeable about radio, and antenna systems. And, I've also met some "professional hams" that have had their licenses for a long time that were the antithesis of the aforementioned.

"Please keep all responses friendly."

Yes it takes a good faith effort from all parties to do so. It can't be one sided. That won't work. And its even more ridiculous for some childish thespian to come in and make an issue of some silly nothing because they can't figure out some of the most basic functions of the equipment, and go into some little crybaby tirade when good caring people are trying to help them, but aren't giving them the answer even the most basic operator could understand.

That's not right.

Enough said.

I hope we can all get back to reasonable, and valuable information exchange about the Ten Tec Orion I & II.

W3VR

--- In orion565@yahoogroups.com, "Dan McKinley" <ky5dm@...> wrote:
>
> AB4VV,
>
> Most hams are glad to answer any question you submit and try to give good
> advice.
>
> Sorry you have an issue with the group.
>
> Remember they were only trying to help and I'm sure will do so in the
> future.
>
> Good hamming.
>
> 73'sssssssssss
>

> Dan ky5dm
>
>
>
> Please keep all responses friendly.
>
> It is a great hobby.
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Frank Ross W4NHJ
> Sent: Friday, May 08, 2009 11:42 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Good Bye To The Group.... I Give Up !!!
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>
> Since you seem so negative towards those who tried to help, I can't believe
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>
> Frank
>
> ----- Original Message -----
> From: Rob - G4LMW
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Sent: Friday, May 08, 2009 11:51 AM
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> I should have added that the findings below are for the "slow" VFO encoder
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> For the fast encoder rate, multiply by a factor of (approx) 4.
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> http://www.G4LMW.co.uk

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> From: "Rob - G4LMW" <G4LMW@... <mailto:G4LMW%40btconnect.com> >
> To: <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> >
> Sent: Friday, May 08, 2009 4:44 PM
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> > I have an Orion I but as far as I know the 2 are the same in respect of
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> > In a nutshell, you get (approx) 65 "steps" per revolution (at least, I did
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> > Hope you will stay
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> > 73, Rob
> > G4LMW
> > http://www.G4LMW.co.uk
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> >
> > ----- Original Message -----
> > From: "nmbsun1" <nmbsun1@... <mailto:nmbsun1%40yahoo.com> >
> > To: <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> >
> > Sent: Friday, May 08, 2009 4:21 PM
> > Subject: [orion565] Good Bye To The Group.... I Give Up !!!
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> >> example i.e. "If my readout is 3.820 and I turn the VFO to the right one
> >> complete revolution what would my readout be?" How much simpler can it
> >> get

> >> to answer my question? I got everything BUT the answer.
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> >> Thinking that perhaps I did not word it right I asked everyone of my ham
> >> friends on my email list the same question and received plain and simple
> >> to the point answers. Like from one I got "I can set this rig to 3
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5207. Re: Good Bye To The Group.... I Give Up !!!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-09 13:12:46 UTC
From: w3qj37
Topic: 5192 Message: 5207

"Understand now ?

AB4VV"

This is what I clearly understand. You need to grow up. I don't know what your experience level is, or what your electronics background is. But one thing is clear, either you haven't a clue how even the most basic functions of a typical amateur radio transceiver are used, and work, or you have too much time on your hands and want to stir up strife in a decent internet group. These are good people here. They are under no obligation to spoon feed you basic knowledge that most reasonable operators already have that enables them to figure out things on their own, without coming into a group such as this and making a fool of themselves like you have. If you really wanted help, you would ask for it in a reasonable way, and respond to those that have tried to help you in a reasonable way also. With every childish response you put forth it is clear that the help you need is not of the technical kind.

You are acting like a golden spoon fed, spoiled little brat that cries foul when no one will come to their aid, and they are forced to put forth a little effort to do something on their own.

Stop it why don't you? Stop acting like a little gangster with a spray paint can on a graffiti run.

You did the same thing on the other Ten Tec reflector. Perhaps you are attention starved, and coming into internet groups such as this and making a fool of your self is one of the ways you satisfy your attention craved psyche. That is sad. If this was my group, I would have banned you by now.

This is the last bit of attention you get from me. Please grow up and have a little pride about about helping your self.

W3VR

--- In orion565@yahoogroups.com, "nmbsun1" <nmbsun1@...> wrote:
>
> When the price of the ten tec orion II is 4,600 I want to know all I can about it before I lay down my hard earned money. If you feel my questions are petty and childish then why dont you just buy me an orion II and I will quit asking questions and just be your 'yes' man! LOL
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> Listen, seriously when I read what Peter Hart, G3SJX wrote in the review of the ten tec orion II I wanted to know what he was talking about. He stated,
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> "My biggest disappointment concerns the
> VFO tuning knob resolution. These are nice
> and large and can tune in a variety of step
> sizes from 1Hz to 100kHz but at only 62

> (default) or 250 steps per knob revolution.
> This may be fine for tuning the CW ends of
> the lower bands but is not ideal for the
> wider SSB sectors on the higher bands.
> Even 20 years ago, 1000 steps per knob
> revolution was the norm in top end radios
> and this degree of resolution has been used
> since then in the most popular models. It
> gives a good compromise between small
> step size for accurate tuning and fast band
> navigation. With the Orion, it is necessary
> to switch back and forth between step
> sizes when tuning across the SSB sectors.
> A button is provided for this purpose."
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> Understand now ?
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> --- In orion565@yahoogroups.com, <tlp1@> wrote:
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> > Sheesh.....what a childish petty little thing to get upset
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> >
> > W3VR
> >
>

5208. Re: [orion565] Re: Good Bye To The Group.... I Give Up !!!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-09 13:57:30 UTC
From: Kim Elmore
Topic: 5192 Message: 5208

Hey, pal: neither I nor anyone else on this reflector owes you diddly squat.

Read the reports, just like we did.

Now, based on your questions here, the O-II is definitely *not* the
rig for you.

Kim Elmore, N5OP

At 05:54 PM 5/8/2009, you wrote:

>When the price of the ten tec orion II is 4,600 I want to know all I
>can about it before I lay down my hard earned money. If you feel my
>questions are petty and childish then why dont you just buy me an
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><tlp1@...> wrote:
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> > W3VR
> >
>
>

5209. Re: [orion565] Re: Good Bye To The Group.... I Give Up !!!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-09 14:11:14 UTC
From: k4elo@fastmail.fm
Topic: 5192 Message: 5209

Yep. I am frequently amazed by some of the questions asked on
ham reflectors/lists/websites.
Simple things that seem to indicate that the person asking the
question didn't learn anything studying for the license test or
can't read documentation. If you point them to a source of
learning, they just complain. Sad.

73
Wayne
K4ELO

On Sat, 09 May 2009 08:57 -0500, "Kim Elmore"
<cw_de_n5op@...> wrote:

Hey, pal: neither I nor anyone else on this reflector owes you
diddly squat.
Read the reports, just like we did.
Now, based on your questions here, the O-II is definitely *not*
the
rig for you.
Kim Elmore, N5OP
At 05:54 PM 5/8/2009, you wrote:
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References

1. mailto:orion565%40yahoogroups.com
2. http://groups.yahoo.com/group/orion565/message/5192;_ylc=X3oDMTM1dm1mbWVpBF9TAzk3MzU5Nz
E0BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM1MjA4BHNlYwNmdHIEc2xrA3Z0cGMEc3Rp
bWUDMTI0MTg3NzQ2MAR0cGNJZAM1MTky
3. http://groups.yahoo.com/group/orion565/post;_ylc=X3oDMTJxN3FqNTVmBF9TAzk3MzU5NzE0BGdycE
lkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM1MjA4BHNlYwNmdHIEc2xrA3JwbHkEc3RpbWUDMTI0
MTg3NzQ2MA--?act=reply&messageNum=5208
4. http://groups.yahoo.com/group/orion565/post;_ylc=X3oDMTJmcDdhNGphBF9TAzk3MzU5NzE0BGdycE
lkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNudHBjBHN0aW1lAzEyNDE4Nzc0NjA-
5. http://groups.yahoo.com/group/orion565/messages;_ylc=X3oDMTJmaGpiODJpBF9TAzk3MzU5NzE0BG
dycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNtc2dzBHN0aW1lAzEyNDE4Nzc0NjA-
6. http://groups.yahoo.com/group/orion565/files;_ylc=X3oDMTJnamk0dDU1BF9TAzk3MzU5NzE0BGdyc
ElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNmaWxlcwRzdGltZQMxMjQxODc3NDYw
7. http://groups.yahoo.com/group/orion565/photos;_ylc=X3oDMTJmczBxNXRvBF9TAzk3MzU5NzE0BGdy
cElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNwaG90BHN0aW1lAzEyNDE4Nzc0NjA-
8. http://groups.yahoo.com/group/orion565/links;_ylc=X3oDMTJnMTFndGFhBF9TAzk3MzU5NzE0BGdyc
ElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNsaW5rcwRzdGltZQMxMjQxODc3NDYw
9. http://groups.yahoo.com/group/orion565/polls;_ylc=X3oDMTJnMDE3bHJ2BF9TAzk3MzU5NzE0BGdyc
ElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNwb2xscwRzdGltZQMxMjQxODc3NDYw
10. http://groups.yahoo.com/group/orion565/members;_ylc=X3oDMTJmOXF2NnI2BF9TAzk3MzU5NzE0BG
dycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNtYnJzBHN0aW1lAzEyNDE4Nzc0NjA-
11. http://groups.yahoo.com/group/orion565/calendar;_ylc=X3oDMTJldDBhcG5zBF9TAzk3MzU5NzE0B
GdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNjYWwEc3RpbWUDMTI0MTg3NzQ2MA-

-
12. http://groups.yahoo.com/;_ylc=X3oDMTJlZWtiYnQwBF9TAzk3MzU5NzE0BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTI0MTg3NzQ2MA--
13. http://groups.yahoo.com/group/orion565/join;_ylc=X3oDMTJnOWIyc3R2BF9TAzk3MzU5NzE0BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNzdG5ncwRzdGltZQMxMjQxODc3NDYw
14. mailto:orion565-digest@yahoogroups.com?subject=Email%20Delivery:%20Digest
15. mailto:orion565-traditional@yahoogroups.com?subject=Change%20Delivery%20Format:%20Traditional
16. http://groups.yahoo.com/group/orion565;_ylc=X3oDMTJlcHQwbDVuBF9TAzk3MzU5NzE0BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNocGYEc3RpbWUDMTI0MTg3NzQ2MA--
17. http://docs.yahoo.com/info/terms/
18. mailto:orion565-unsubscribe@yahoogroups.com?subject=
19. http://groups.yahoo.com/group/orion565/members;_ylc=X3oDMTJna3Q1OXVhBF9TAzk3MzU5NzE0BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxMjQxODc3NDYw
20. http://groups.yahoo.com/group/orion565/files;_ylc=X3oDMTJob3I0cGVvBF9TAzk3MzU5NzE0BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2ZmlsZXMEc3RpbWUDMTI0MTg3NzQ2MA--
21. http://groups.yahoo.com/group/orion565;_ylc=X3oDMTJmc3IzbDAyBF9TAzk3MzU5NzE0BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzEyNDE4Nzc0NjA-
22. http://us.lrd.yahoo.com/_ylc=X3oDMTJuaTFrNDQ4BF9TAzk3MzU5NzE0BF9wAzEEZ3JwSWQDMTExNTIwNzYEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwNuY21vZARzbGsDYnJhbmQEc3RpbWUDMTI0MTg3NzQ2MA--;_ylg=1/SIG=11314uv3k/**http%3A//brand.yahoo.com/forgood
23. http://us.lrd.yahoo.com/_ylc=X3oDMTJwcmlzdG0wBF9TAzk3MzU5NzE0BF9wAzIEZ3JwSWQDMTExNTIwNzYEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwNuY21vZARzbGsDdG9vbGJhcgRzdGltZQMxMjQxODc3NDYw;_ylg=1/SIG=11c6dvmk9/**http%3A//toolbar.yahoo.com/%3F.cpdl=ygrps
24. http://groups.yahoo.com/start;_ylc=X3oDMTJwMGNuaWN0BF9TAzk3MzU5NzE0BF9wAzMEZ3JwSWQDMTExNTIwNzYEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwNuY21vZARzbGsDZ3JvdXBzMgRzdGltZQMxMjQxODc3NDYw
73,
Wayne
K4ELO
k4elo@...

[Non-text portions of this message have been removed]

5210. 565ATs For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-09 16:46:52 UTC
From: K1GQ
Topic: 5210 Message: 5210

S/N 07C10153 (July 2003 run 1 unit 15), S/N 04C10824 (April 2004 run 1 unit 82).

Both units have 250 Hz, 500 Hz, and 1.8 KHz TenTec roofing filters, the TenTec fan kit, and grey replacement VFO knob rubber trim rings. One unit has the V2 sweep hardware modification, done by TenTec. I am the original owner.

Working order, manual and all standard hardware and accessories, cosmetically clean, original cartons, service records.

Optionally available: TenTec 963 power supply and/or 302R remote encoder/keypad.

Used only certain weekends at a modest contest station in southern NH :-)

Contact me here: K1GQ at ME dot COM.

Bill, K1GQ

5211. RE: [orion565] Re: Good Bye To The Group.... I Give Up !!!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-09 19:00:31 UTC
From: Mike Schatzberg
Topic: 5192 Message: 5211

Orion 565 Members: I thank everyone for their attempts to clarify this issue, and although finding the correspondance frustrating, you have to your collective credit remained civil. It is time to move on to other topics which are deserving of your inputs and attention. Your cooperation as always is most appreciated. Thank you all. 73 and Happy Dxing, Mike W2AJI Orion565 Owner

-----Original Message-----
From: w3qj37
Sent: 5/9/2009 1:12:46 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Good Bye To The Group.... I Give Up !!!
"Understand now ?

AB4VV"

This is what I clearly understand. You need to grow up. I don't know what your experience level is, or what your electronics background is. But one thing is clear, either you haven't a clue how even the most basic functions of a typical amateur radio transceiver are used, and work, or you have too much time on your hands and want to stir up strife in a decent internet group. These are good people here. They are under no obligation to spoon feed you basic knowledge that most reasonable operators already have that enables them to figure out things on their own, without coming into a group such as this and making a fool of themselves like you have. If you really wanted help, you would ask for it in a reasonable way, and respond to those that have tried to help you in a reasonable way also. With every childish response you put forth it is clear that the help you need is not of the technical kind.

You are acting like a golden spoon fed, spoiled little brat that cries foul when no one will come to their aid, and they are forced to put forth a little effort to do something on their own.

Stop it why don't you? Stop acting like a little gangster with a spray paint can on a graffiti run.

You did the same thing on the other Ten Tec reflector. Perhaps you are attention starved, and coming into internet groups such as this and making a fool of your self is one of the ways you satisfy your attention craved psyche. That is sad. If this was my group, I would have banned you by now.

This is the last bit of attention you get from me. Please grow up and have a little pride about about helping your self.

W3VR

--- In orion565@yahoogroups.com, "nmbsun1" <nmbsun1@...> wrote:
>
> When the price of the ten tec orion II is 4,600 I want to know all I can about it before

I lay down my hard earned money. If you feel my questions are petty and childish then why dont you just buy me an orion II and I will quit asking questions and just be your 'yes' man! LOL
>
> Listen, seriously when I read what Peter Hart, G3SJX wrote in the review of the ten tec orion II I wanted to know what he was talking about. He stated,
>
> "My biggest disappointment concerns the
> VFO tuning knob resolution. These are nice
> and large and can tune in a variety of step
> sizes from 1Hz to 100kHz but at only 62
> (default) or 250 steps per knob revolution.
> This may be fine for tuning the CW ends of
> the lower bands but is not ideal for the
> wider SSB sectors on the higher bands.
> Even 20 years ago, 1000 steps per knob
> revolution was the norm in top end radios
> and this degree of resolution has been used
> since then in the most popular models. It
> gives a good compromise between small
> step size for accurate tuning and fast band
> navigation. With the Orion, it is necessary
> to switch back and forth between step
> sizes when tuning across the SSB sectors.
> A button is provided for this purpose."
>
> Understand now ?
>
> AB4VV
>
>
>
> --- In orion565@yahoogroups.com, <tlp1@> wrote:
> >
> > Sheesh.....what a childish petty little thing to get upset
> > about.
> >
> > W3VR
> >
>

Yahoo! Groups Links

[Non-text portions of this message have been removed]

5212. Re: [orion565] Re: Good Bye To The Group.... I Give Up !!!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-10 02:34:00 UTC
From: Todd (N0KMA)
Topic: 5192 Message: 5212

Well that seems to answer your original question. So if you already knew the answer why bother to ask it. Sounds like the Orion is too good a radio for you. You may be better off with a 2 meter HT and a repeater near you with Echolink.

I don't think anyone thought your question was petty and childish. Your reaction to the answers you got were. I don't believe you are paying anything to have access to this list. Nor is anyone on this list obligated to answer any of your questions to your satisfaction.

I seriously doubt you will be missed good by and good riddance.

Todd
N?KMA

> > When the price of the ten tec orion II is 4,600 I want to know all I
> can about it before I lay down my hard earned money. If you feel my
> questions are petty and childish then why dont you just buy me an orion
> II and I will quit asking questions and just be your 'yes' man! LOL
> >
> > Listen, seriously when I read what Peter Hart, G3SJX wrote in the
> review of the ten tec orion II I wanted to know what he was talking
> about. He stated,
> >
> > "My biggest disappointment concerns the
> > VFO tuning knob resolution. These are nice
> > and large and can tune in a variety of step
> > sizes from 1Hz to 100kHz but at only 62
> > (default) or 250 steps per knob revolution.
> > This may be fine for tuning the CW ends of
> > the lower bands but is not ideal for the
> > wider SSB sectors on the higher bands.
> > Even 20 years ago, 1000 steps per knob
> > revolution was the norm in top end radios
> > and this degree of resolution has been used
> > since then in the most popular models. It
> > gives a good compromise between small
> > step size for accurate tuning and fast band
> > navigation. With the Orion, it is necessary
> > to switch back and forth between step
> > sizes when tuning across the SSB sectors.
> > A button is provided for this purpose."
> >
> > Understand now ?
> >
> > AB4VV

> >
> >
> >
> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>,
> <tlp1@> wrote:
> > >
> > > Sheesh.....what a childish petty little thing to get upset
> > > about.
> > >
> > > W3VR
> > >
> >
>
>

5213. Filter Options

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-12 10:27:26 UTC
From: Rob - G4LMW
Topic: 5213 Message: 5213

Hi Group

I have now been enjoying my Orion for almost one month - great radio (just wish the RF gain had its own control).

Anyhow, I have acquired an Inrad 600Hz filter.

My question is, should I use it to replace the Standard 1kHz filter or put it in the Optional 500Hz slot?

73, Rob
G4LMW
http://www.G4LMW.co.uk

5214. Re: [orion565] Filter Options

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-12 11:05:13 UTC
From: Barry N1EU
Topic: 5213 Message: 5214

On Tue, May 12, 2009 at 6:27 AM, Rob - G4LMW <G4LMW@...> wrote:

> My question is, should I use it to replace the Standard 1kHz filter or put
> it in the Optional 500Hz slot?
>

Replace the 1Khz filter - the low loss of the 600hz 4-pole filter
means you don't need the extra amplification stage (and lower dynamic
range) associated with the 500hz filter slot.

73,
Barry N1EU

5215. Re: [orion565] Filter Options

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-12 13:08:03 UTC
From: Rob - G4LMW
Topic: 5213 Message: 5215

Thanks for the advice Barry

That is what I have now done.

Being a 99% CW op, now thinking about further roofing filters for the 500 (but I guess this is covered with the 600 InRad) and 250 Hz slots. Any suggestions?

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Barry N1EU" <barry.n1eu@...>
To: <orion565@yahoogroups.com>
Sent: Tuesday, May 12, 2009 12:05 PM
Subject: Re: [orion565] Filter Options

> On Tue, May 12, 2009 at 6:27 AM, Rob - G4LMW <G4LMW@...> wrote:
>
>> My question is, should I use it to replace the Standard 1kHz filter or
>> put
>> it in the Optional 500Hz slot?
>>
>
> Replace the 1Khz filter - the low loss of the 600hz 4-pole filter
> means you don't need the extra amplification stage (and lower dynamic
> range) associated with the 500hz filter slot.
>
> 73,
> Barry N1EU
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
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>

5216. Supply Voltage

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-12 13:43:00 UTC
From: Rob - G4LMW
Topic: 5216 Message: 5216

Since it is my day for questions, here's another one.

I searched the archives and while there has been discussion in the past, I could not find any definitive answers.....

The manual states that the Orion should be run with a supply voltage in the range 12.8 to 15 vdc with 13.8 as the optimum value.

Can the radio be run from 12.0v ?

I ask because we have our Field Day soon and I was hoping to run 10W from some 6v/100Ah batteries in series pairs. Reducing down from 18v (3 cells) to 13.8 is more problematic.

73, Rob
G4LMW
http://www.G4LMW.co.uk

5217. Re: [orion565] Supply Voltage

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-12 14:00:29 UTC
From: Bernard Cohen
Topic: 5216 Message: 5217

Hi Rob...

I'm not sure that the Orion is a good choice to run 10w from a battery supply because it tends to be a huge power hog, whether you are running ten watts or a hundred watts. I would think that some other radio that is more energy efficient would be a better choice for battery power. Generator power would not be an issue. As for the voltage, I would guess that you could get away with 12v, but funny things do start to happen as the supply voltage drops, and with the length of wire to the radio my guess is that you may be well below 12v when you figure the voltage drop in the cable. Perhaps others in the group have had experience running the Orion on battery power, but I personally would opt for an older non-processor controlled radio that wouldn't be so power hungry.

Bernie K1SA

--- On Tue, 5/12/09, Rob - G4LMW <G4LMW@...> wrote:

From: Rob - G4LMW <G4LMW@...>
Subject: [orion565] Supply Voltage
To: orion565@yahoogroups.com
Date: Tuesday, May 12, 2009, 9:43 AM

Since it is my day for questions, here's another one.

I searched the archives and while there has been discussion in the past, I could not find any definitive answers.....

The manual states that the Orion should be run with a supply voltage in the range 12.8 to 15 vdc with 13.8 as the optimum value.

Can the radio be run from 12.0v ?

I ask because we have our Field Day soon and I was hoping to run 10W from some 6v/100Ah batteries in series pairs. Reducing down from 18v (3 cells) to 13.8 is more problematic.

73, Rob
G4LMW
http://www.G4LMW. co.uk

[Non-text portions of this message have been removed]

5218. RE: [orion565] Supply Voltage

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-12 14:11:23 UTC
From: John T. Fleming
Topic: 5216 Message: 5218

Rob,

I would recommend getting 2 8 volt golf cart batteries. That would give you 16 volts. From what I have seen on the list, the Orion will not run properly at 12 volts.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Rob - G4LMW
Sent: Tuesday, May 12, 2009 9:43 AM
To: orion565@yahoogroups.com
Subject: [orion565] Supply Voltage

Since it is my day for questions, here's another one.

I searched the archives and while there has been discussion in the past, I could not find any definitive answers.....

The manual states that the Orion should be run with a supply voltage in the range 12.8 to 15 vdc with 13.8 as the optimum value.

Can the radio be run from 12.0v ?

I ask because we have our Field Day soon and I was hoping to run 10W from some 6v/100Ah batteries in series pairs. Reducing down from 18v (3 cells) to

13.8 is more problematic.

73, Rob
G4LMW
http://www.G4LMW. <http://www.G4LMW.co.uk> co.uk

[Non-text portions of this message have been removed]

5219. Re: [orion565] Filter Options

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-12 14:30:46 UTC
From: Barry N1EU
Topic: 5213 Message: 5219

On Tue, May 12, 2009 at 9:08 AM, Rob - G4LMW <G4LMW@...> wrote:

> Being a 99% CW op, now thinking about further roofing filters for the 500
> (but I guess this is covered with the 600 InRad) and 250 Hz slots. Any
> suggestions?

The 600hz roofing filter is all you need for cw in the Orion, based on
significant cw battle testing.

73,
Barry N1EU

5220. Re: Filter Options

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-12 14:41:31 UTC
From: BobChortek
Topic: 5213 Message: 5220

Being a 99% CW op, now thinking about further roofing filters for the 500(but I guess this is covered with the 600 InRad) and 250 Hz slots. Any suggestions?

I had all the cw filters and found that the performance was outstanding with the 600 hz filter and use of the DSP. I almost never used the other cw filters and never felt the need.

73,

Bob/AA6VB

5221. Re: [orion565] Filter Options

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-12 15:39:58 UTC
From: Rob - G4LMW
Topic: 5213 Message: 5221

Thanks Barry

It get very crowded on our Region 1 Field Day and there are some pretty big sigs around. Just wanted to make sure they were out of my passband - but if you have "soak tested" the 600Hz and it's fine then I guess I can save my precious pounds!

Thanks again.

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Barry N1EU" <barry.n1eu@...>
To: <orion565@yahoogroups.com>
Sent: Tuesday, May 12, 2009 3:30 PM
Subject: Re: [orion565] Filter Options

> On Tue, May 12, 2009 at 9:08 AM, Rob - G4LMW <G4LMW@...> wrote:
>
>> Being a 99% CW op, now thinking about further roofing filters for the 500
>> (but I guess this is covered with the 600 InRad) and 250 Hz slots. Any
>> suggestions?
>
> The 600hz roofing filter is all you need for cw in the Orion, based on
> significant cw battle testing.
>
> 73,
> Barry N1EU
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
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5222. Re: [orion565] Supply Voltage

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-12 17:28:00 UTC
From: Rob - G4LMW
Topic: 5216 Message: 5222

Thanks John

But we'd need more than 2 (its a 12 hour contest). As regards to another posted suggestion that we try another radio more suited to battery power..... we just wanted the best!!

We have 6 pairs of 6v 100Ah batteries (or 4 triplets!). More than enough for the job - with a combined weight of around 600lbs!

I could run my FT-897 for a week on those beasts and it would be more than happy with 12v

Looks like we are going to have to build a switching regulator to down-convert 18v do 14v......

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "John T. Fleming" <john@...>
To: <orion565@yahoogroups.com>
Sent: Tuesday, May 12, 2009 3:11 PM
Subject: RE: [orion565] Supply Voltage

> Rob,
>
>
>
> I would recommend getting 2 8 volt golf cart batteries. That would give
> you
> 16 volts. From what I have seen on the list, the Orion will not run
> properly
> at 12 volts.
>
>
>
> 73,
>
> John
>
>
>
> -----
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Rob - G4LMW

> Sent: Tuesday, May 12, 2009 9:43 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Supply Voltage
>
>
>
>
>
>
>
>
>
> Since it is my day for questions, here's another one.
>
> I searched the archives and while there has been discussion in the past, I
> could not find any definitive answers.....
>
> The manual states that the Orion should be run with a supply voltage in
> the
> range 12.8 to 15 vdc with 13.8 as the optimum value.
>
> Can the radio be run from 12.0v ?
>
> I ask because we have our Field Day soon and I was hoping to run 10W from
> some 6v/100Ah batteries in series pairs. Reducing down from 18v (3 cells)
> to
>
> 13.8 is more problematic.
>
> 73, Rob
> G4LMW
> http://www.G4LMW. <http://www.G4LMW.co.uk> co.uk
>
>
>
> [Non-text portions of this message have been removed]
>
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> Yahoo! Groups Links
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5223. Re: [orion565] Supply Voltage

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-12 19:37:09 UTC
From: Martin Ewing
Topic: 5216 Message: 5223

The problem is that the Orion has a fairly high minimum voltage
requirement. (Over 11 Volts, as I recall.) That means that you don't
have much headroom with a 12 V battery. Cable losses and/or low
battery will put you off the air. The standard automotive 13.6 V is
probably optimum. There are some switching boost regulators that can
keep your voltage up as batteries discharge. They might be a way to
go, but they will cost something.

73 Martin AA6E

On Tue, May 12, 2009 at 1:28 PM, Rob - G4LMW <G4LMW@...> wrote:
> Thanks John
>
> But we'd need more than 2 (its a 12 hour contest). As regards to another
> posted suggestion that we try another radio more suited to battery
> power..... we just wanted the best!!
>
> We have 6 pairs of 6v 100Ah batteries (or 4 triplets!). More than enough for
> the job - with a combined weight of around 600lbs!
>
> I could run my FT-897 for a week on those beasts and it would be more than
> happy with 12v
>
> Looks like we are going to have to build a switching regulator to
> down-convert 18v do 14v......
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
>
>
>
> ----- Original Message -----
> From: "John T. Fleming" <john@...>
> To: <orion565@yahoogroups.com>
> Sent: Tuesday, May 12, 2009 3:11 PM
> Subject: RE: [orion565] Supply Voltage
>
>
>> Rob,
>>
>>
>>
>> I would recommend getting 2 8 volt golf cart batteries. That would give
>> you

>> 16 volts. From what I have seen on the list, the Orion will not run
>> properly
>> at 12 volts.
>>
>>
>>
>> 73,
>>
>> John
>>
>>
>>
>> _____
>>
>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
>> Of Rob - G4LMW
>> Sent: Tuesday, May 12, 2009 9:43 AM
>> To: orion565@yahoogroups.com
>> Subject: [orion565] Supply Voltage
>>
>>
>>
>>
>>
>>
>>
>>
>>
>> Since it is my day for questions, here's another one.
>>
>> I searched the archives and while there has been discussion in the past, I
>> could not find any definitive answers.....
>>
>> The manual states that the Orion should be run with a supply voltage in
>> the
>> range 12.8 to 15 vdc with 13.8 as the optimum value.
>>
>> Can the radio be run from 12.0v ?
>>
>> I ask because we have our Field Day soon and I was hoping to run 10W from
>> some 6v/100Ah batteries in series pairs. Reducing down from 18v (3 cells)
>> to
>>
>> 13.8 is more problematic.
>>
>> 73, Rob
>> G4LMW
>> http://www.G4LMW. <http://www.G4LMW.co.uk> co.uk
>>
>>
>>

>> [Non-text portions of this message have been removed]
>>
>>
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>> ------------------------------------
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>> Yahoo! Groups Links
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> ------------------------------------
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> Yahoo! Groups Links
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>
>

5224. Re: [orion565] Filter Options

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-12 22:05:01 UTC
From: Alan Sewell
Topic: 5213 Message: 5224

This article explains why you don't want to use the 250 & 500 Hz filters.

http://users.vnet.net/btippett/inrad_.htm

73,

Alan N5NA

On Tue, May 12, 2009 at 10:39 AM, Rob - G4LMW <G4LMW@...> wrote:

> Thanks Barry
>
> It get very crowded on our Region 1 Field Day and there are some pretty big
> sigs around. Just wanted to make sure they were out of my passband - but if
> you have "soak tested" the 600Hz and it's fine then I guess I can save my
> precious pounds!
>
> Thanks again.
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
>
>
>
> ----- Original Message -----
> From: "Barry N1EU" <barry.n1eu@...>
> To: <orion565@yahoogroups.com>
> Sent: Tuesday, May 12, 2009 3:30 PM
> Subject: Re: [orion565] Filter Options
>
>
> > On Tue, May 12, 2009 at 9:08 AM, Rob - G4LMW <G4LMW@...>
> wrote:
> >
>> Being a 99% CW op, now thinking about further roofing filters for the
> 500
>> (but I guess this is covered with the 600 InRad) and 250 Hz slots. Any
>> suggestions?
> >
> > The 600hz roofing filter is all you need for cw in the Orion, based on
> > significant cw battle testing.
> >
> > 73,
> > Barry N1EU
> >

> >
> > ------------------------------------
> >
> >
> > Yahoo! Groups Links
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> ------------------------------------
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> Yahoo! Groups Links
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>

[Non-text portions of this message have been removed]

5225. Re: Filter Options

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-13 23:08:27 UTC
From: Brad
Topic: 5213 Message: 5225

So, what happens in the OII? Do the 250/500 Hz filters suffer from the same issue?

I see Inrad makes only 9001.5 KHz filters for the OII. Am I to assume these are direct drop-ins to the 250/500 slots in the rig?

Brad

--- In orion565@yahoogroups.com, Alan Sewell <alan.n5na@...> wrote:
>
> This article explains why you don't want to use the 250 & 500 Hz filters.
>
> http://users.vnet.net/btippett/inrad_.htm
>
> 73,
>
> Alan N5NA
>
> On Tue, May 12, 2009 at 10:39 AM, Rob - G4LMW <G4LMW@...> wrote:
>
> > Thanks Barry
> >
> > It get very crowded on our Region 1 Field Day and there are some pretty big
> > sigs around. Just wanted to make sure they were out of my passband - but if
> > you have "soak tested" the 600Hz and it's fine then I guess I can save my
> > precious pounds!
> >
> > Thanks again.
> >
> > 73, Rob
> > G4LMW
> > http://www.G4LMW.co.uk
> >
> >
> >
> > ----- Original Message -----
> > From: "Barry N1EU" <barry.n1eu@...>
> > To: <orion565@yahoogroups.com>
> > Sent: Tuesday, May 12, 2009 3:30 PM
> > Subject: Re: [orion565] Filter Options
> >
> >
> > > On Tue, May 12, 2009 at 9:08 AM, Rob - G4LMW <G4LMW@...>
> > wrote:
> > >
> > >> Being a 99% CW op, now thinking about further roofing filters for the
> > 500

> > >> (but I guess this is covered with the 600 InRad) and 250 Hz slots. Any
> > >> suggestions?
> > >
> > > The 600hz roofing filter is all you need for cw in the Orion, based on
> > > significant cw battle testing.
> > >
> > > 73,
> > > Barry N1EU
> > >
> > >
> > > ------------------------------------
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> > > Yahoo! Groups Links
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> > > Yahoo! Groups Links
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> >
> >
> > [Non-text portions of this message have been removed]
> >

5226. Re: [orion565] Re: Filter Options

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-13 23:21:12 UTC
From: Barry N1EU
Topic: 5213 Message: 5226

On Wed, May 13, 2009 at 11:08 PM, Brad <bradld@...> wrote:
>
>
> So, what happens in the OII? Do the 250/500 Hz filters suffer from the same
> issue?

No, Ten-Tec went to 4-pole lower loss narrow filters in the Orion II
without the extra stage of amplification used in the Orion for its
higher loss 6 and 8 pole filters.

73,
Barry N1EU

5227. Re: Filter Options

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-13 23:34:30 UTC
From: Brad
Topic: 5213 Message: 5227

So the inrad improvement would just be shape factor or the OII?

Brad

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> On Wed, May 13, 2009 at 11:08 PM, Brad <bradld@...> wrote:
> >
> >
> > So, what happens in the OII? Do the 250/500 Hz filters suffer from the same
> > issue?
>
> No, Ten-Tec went to 4-pole lower loss narrow filters in the Orion II
> without the extra stage of amplification used in the Orion for its
> higher loss 6 and 8 pole filters.
>
> 73,
> Barry N1EU
>

5228. New Orion 1 Beta Available!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-14 19:57:29 UTC
From: aa3yw
Topic: 5228 Message: 5228

Hi All,

The new Orion 1 Beta is on the TT website it is BETA - [Orion-Setup-2.063Xg.exe] - BETA - 685.88KB - BETA - 2009-05-14 - BETA

73's

Dave AA3YW

5229. Re: [orion565] New Orion 1 Beta Available!

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-15 00:00:46 UTC
From: carl ekas
Topic: 5228 Message: 5229

thinking of buying one soon thanks dave 73 carl w3bmk.....

--- On Thu, 5/14/09, aa3yw <aa3yw@...> wrote:

From: aa3yw <aa3yw@arrl.net>
Subject: [orion565] New Orion 1 Beta Available!
To: orion565@yahoogroups.com
Date: Thursday, May 14, 2009, 3:57 PM

Hi All,

The new Orion 1 Beta is on the TT website it is BETA - [Orion-Setup- 2.063Xg.exe] - BETA - 685.88KB - BETA - 2009-05-14 - BETA

73's

Dave AA3YW

[Non-text portions of this message have been removed]

5231. new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-15 00:52:44 UTC
From: amfone20000
Topic: 5231 Message: 5231

What does this improve? I have the original Orion with no component upgrades and am running version 1.373b5, what improvements will this new beta version provide?

Thanks Tim
wb8uhz

5232. Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-15 01:54:01 UTC
From: wd4pg
Topic: 5231 Message: 5232

I just installe dit. The most obvious change is the way the sweep works. Spin the knob fast and put the dot on the signal and it moves to that freq.

Or move the knob slow to work it like you're used to.

Pretty cool

--- In orion565@yahoogroups.com, "amfone20000" <amfone20000@...> wrote:
>
> What does this improve? I have the original Orion with no component upgrades and am running version 1.373b5, what improvements will this new beta version provide?
>
> Thanks Tim
> wb8uhz
>

5233. Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-15 03:22:00 UTC
From: ko4xj
Topic: 5231 Message: 5233

Other change is the

1.MENU-OTHER_"mic/pwr Setting" Either GLOBAL or PER BAND (?)
2. MENU - RX Sweep Display can be turned off, no more width adjustment
3. Menu - RX "AGC System Type" added to bottom of list. When you adjust the MULTI knob it reads "LOADING DSP CODE". Mine seems to cut the audio off or on. I know it has to more but no idea yet. (?)
4. The BW and PBT graphic is alot smaller and the display area of the bandscope is larger.. missing is the increment scale on the bandscope.

At first trial on 20 this afternoon, the band was really quiet but tonight on 40 the spikes are alot higher (signals and QRN) on the display.

IS IT ME OR IS THE AUDIO LOUDER..can't tell just yet

The contrast seems to be the same as the last version

John
KO4XJ

--- In orion565@yahoogroups.com, "wd4pg" <wd4pg@...> wrote:
>
> I just installe dit. The most obvious change is the way the sweep works. Spin the knob fast and put the dot on the signal and it moves to that freq.
>
> Or move the knob slow to work it like you're used to.
>
> Pretty cool
>
>
>
> --- In orion565@yahoogroups.com, "amfone20000" <amfone20000@> wrote:
> >
> > What does this improve? I have the original Orion with no component upgrades and am running version 1.373b5, what improvements will this new beta version provide?
> >
> > Thanks Tim
> > wb8uhz
> >
>

5234. New Orion II FW 2.041XT beta

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-15 06:07:01 UTC
From: sv8ing@yahoo.gr
Topic: 5234 Message: 5234

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hi all Orion II version 2.041XT Beta Modified DSP SWEEP functions to correct intermittent screen anomalies. 73 Fotis SV8ING GREECE

5235. Re: [orion565] Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-15 14:57:54 UTC
From: amfone
Topic: 5231 Message: 5235

Thanks

Did you make any of the internal changes to your Orion? Mine is stock.

tim

--- On Thu, 5/14/09, wd4pg <wd4pg@...> wrote:

From: wd4pg <wd4pg@...>
Subject: [orion565] Re: new Orion 1 beta version
To: orion565@yahoogroups.com
Date: Thursday, May 14, 2009, 9:54 PM

I just installe dit. The most obvious change is the way the sweep works. Spin the knob fast and put the dot on the signal and it moves to that freq.

Or move the knob slow to work it like you're used to.

Pretty cool

--- In orion565@yahoogroup s.com, "amfone20000" <amfone20000@ ...> wrote:

>

> What does this improve? I have the original Orion with no component upgrades and am running version 1.373b5, what improvements will this new beta version provide?

>

> Thanks Tim

> wb8uhz

>

[Non-text portions of this message have been removed]

5236. Re: [orion565] Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-15 15:15:16 UTC
From: John Huffman
Topic: 5231 Message: 5236

For me, when I move the dial the dot disappears. What am I doing wrong?

73 de K1ESE
John

wd4pg wrote:
>
>
> I just installe dit. The most obvious change is the way the sweep
> works. Spin the knob fast and put the dot on the signal and it moves
> to that freq.
>
> Or move the knob slow to work it like you're used to.
>
> Pretty cool_._,___
>

5237. Re: [orion565] Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-15 15:24:14 UTC
From: jd_hudson@comcast.net
Topic: 5231 Message: 5237

The VFO has to be moving (tuning). The bandscope freezes the captured view I'm assuming so you move the dot to the signal you are interested in. Once you stop tuning the VFO it moves it back to center of the display

73
John
KO4XJ
www.w4nja.org/ko4xj.htm
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: John Huffman <hjohnc@...>

Date: Fri, 15 May 2009 11:15:16
To: <orion565@yahoogroups.com>
Subject: Re: [orion565] Re: new Orion 1 beta version

For me, when I move the dial the dot disappears. What am I doing wrong?

73 de K1ESE
John

wd4pg wrote:
>
>
> I just installe dit. The most obvious change is the way the sweep
> works. Spin the knob fast and put the dot on the signal and it moves
> to that freq.
>
> Or move the knob slow to work it like you're used to.
>
> Pretty cool_._,___
>

[Non-text portions of this message have been removed]

5238. Orion 2 2.041XT FW (Beta) Upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-15 15:33:49 UTC
From: Peter Frenning [OZ1PIF]
Topic: 5238 Message: 5238

Successful update here; 10693 lines in just under 6mins run from WinXP running on VirtualBox on top of Ubuntu (Linux) using an USB to Serial adapter.
RF-AGC and AF-AGC now have equal volume, and Sweep-Display now seem to behave properly.

So far so good...

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

5239. Re: [orion565] Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-15 15:41:16 UTC
From: John Huffman
Topic: 5231 Message: 5239

Right! I had to up the contrast to see the dot moving.

Thanks,

73 de K1ESE
John

jd_hudson@... wrote:
>
>
> The VFO has to be moving (tuning). The bandscope freezes the captured
> view I'm assuming so you move the dot to the signal you are interested
> in. Once you stop tuning the VFO it moves it back to center of the display
>
> 73
> John
> KO4XJ
> www.w4nja.org/ko4xj.htm
> Sent from my Verizon Wireless BlackBerry
>
> -----Original Message-----
> From: John Huffman <hjohnc@... <mailto:hjohnc%40gmail.com>>
>
> Date: Fri, 15 May 2009 11:15:16
> To: <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>>
> Subject: Re: [orion565] Re: new Orion 1 beta version
>
> For me, when I move the dial the dot disappears. What am I doing wrong?
>
> 73 de K1ESE
> John
>
> wd4pg wrote:
> >
> >
> > I just installe dit. The most obvious change is the way the sweep
> > works. Spin the knob fast and put the dot on the signal and it moves
> > to that freq.
> >
> > Or move the knob slow to work it like you're used to.
> >
> > Pretty cool_._,___
> >
>
> [Non-text portions of this message have been removed]
>

>

5240. 2.041XT FW Follow-up

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-15 16:04:10 UTC
From: Peter Frenning [OZ1PIF]
Topic: 5240 Message: 5240

Well, I've just seen the "Red Screen" again (using the AF-AGC) after
about 30 mins on 80m
Sweep On/Off cycling clears the condition!

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

5241. Re: [orion565] Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-15 17:12:50 UTC
From: jd_hudson@comcast.net
Topic: 5231 Message: 5241

Didn't think about the contrast. My first wish on the new display, make the "dot" a line so it could be seen without straining or without the reading glasses. Then make the BW and PBT graphics bigger as before. Minor items but that's a first impression for now

73
John
KO4XJ
www.w4nja.org/ko4xj.htm
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: John Huffman <hjohnc@...>

Date: Fri, 15 May 2009 11:41:16
To: <orion565@yahoogroups.com>
Subject: Re: [orion565] Re: new Orion 1 beta version

Right! I had to up the contrast to see the dot moving.

Thanks,

73 de K1ESE
John

jd_hudson@... wrote:
>
>
> The VFO has to be moving (tuning). The bandscope freezes the captured
> view I'm assuming so you move the dot to the signal you are interested
> in. Once you stop tuning the VFO it moves it back to center of the display
>
> 73
> John
> KO4XJ
> www.w4nja.org/ko4xj.htm
> Sent from my Verizon Wireless BlackBerry
>
> -----Original Message-----
> From: John Huffman <hjohnc@... <mailto:hjohnc%40gmail.com>>
>
> Date: Fri, 15 May 2009 11:15:16
> To: <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>>
> Subject: Re: [orion565] Re: new Orion 1 beta version
>
> For me, when I move the dial the dot disappears. What am I doing wrong?
>
> 73 de K1ESE

> John
>
> wd4pg wrote:
> >
> >
> > I just installe dit. The most obvious change is the way the sweep
> > works. Spin the knob fast and put the dot on the signal and it moves
> > to that freq.
> >
> > Or move the knob slow to work it like you're used to.
> >
> > Pretty cool_._,___
> >
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

5242. Re: [orion565] Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-15 18:27:39 UTC
From: Franco Cazzaniga
Topic: 5231 Message: 5242

Hi All
can you explain me the software update procedure ?
Thanks
Franco I6QFZ

[Non-text portions of this message have been removed]

5243. Re: [orion565] Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-15 20:35:53 UTC
From: Martin Ewing
Topic: 5231 Message: 5243

The procedure is given in the notes that are distributed along with
the software update. Which is a little stupid. You have to unpack
the file in order to find out how to unpack it, etc.

Here is the HowTo.txt file:

Updating the FLASH FIRMWARE on Ten-Tec Orion

1) Turn Transceiver OFF.

2) Connect a PC to the transceiver using the appropriate cable.

3) Turn the Transceiver ON while holding down the USER2 button.

Wait for display to indicate "Flash Update Mode"

4) Start the Update program

5) Select the COM port to which the Transceiver is attached.

6) Choose UPDATE under the PROCESS menu.

7) Select the RUF file under the Process Menu.

8) The program will update the radio and report any errors
encountered. During the update

process the Orion screen will indicate the current line being processed.

9) If a master RESET should be done it will be indicated on the screen.

73 Martin AA6E

On Fri, May 15, 2009 at 2:27 PM, Franco Cazzaniga <f.amedeo@tin.it> wrote:
> Hi All
> can you explain me the software update procedure ?
> Thanks
> Franco I6QFZ
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
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>

>
>

5245. Re: 2.041XT FW Follow-up

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-15 22:01:10 UTC
From: Peter Frenning [OZ1PIF]
Topic: 5240 Message: 5245

Peter Frenning [OZ1PIF] skrev:
> Well, I've just seen the "Red Screen" again (using the AF-AGC) after
> about 30 mins on 80m
> Sweep On/Off cycling clears the condition!
Well, several hours later, it seems to me that the "Red Screen" only
occurs when using the "AF-AGC", Three hours straight running with
"RF-AGC" has been entirely uneventful.

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

5246. Audio Volume & Menu Item

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-15 22:09:55 UTC
From: kd6hq
Topic: 5246 Message: 5246

I've been using a barrowed Orion 1 for about a month now.
One thing that I have noticed from the begging is that the audio seems a little low from the internal speaker. Looking at the volume bar on the display it seems to take about 25% of the bar to begin hearing anything at all. I don't really consider this to be a problem because a comfortable level can be reached somewhere around 50-60%. I have also noticed that full volume seems to be about 90% of the bar. After that point the bar no longer adjust so that a 100% bar level cannot be reached.

So my question is does this seem to be normal or is there a potential problem here?

I was also asked by the owner to do the modification for the sweep function and upgrade the firmware. This has been done and in doing so I have noticed one menu addition called "H/W Mic Gain" under the SSB menu. Since this radio went from the original firmware to 2.062a (now 2.063xg) in one download I seem to have missed the explanation of this function. Would someone provide a short description please?

Thank you

Don kd6hq

5247. Re: 2.041XT FW Follow-up

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-15 23:03:40 UTC
From: Brad
Topic: 5240 Message: 5247

I am still noting the problem with the programmable AGC threshold and the s meter response. Typically as the threshold values are increased the s meter increases. I have intermittent operation of that again, just like 2.041XL.

video here:
www.w1nt.com/filetransfer/smeter_progagc.avi

--- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@...> wrote:
>
> Peter Frenning [OZ1PIF] skrev:
> > Well, I've just seen the "Red Screen" again (using the AF-AGC) after
> > about 30 mins on 80m
> > Sweep On/Off cycling clears the condition!
> Well, several hours later, it seems to me that the "Red Screen" only
> occurs when using the "AF-AGC", Three hours straight running with
> "RF-AGC" has been entirely uneventful.
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> ** CW: Who? Me? You must be joking!! **
> email: peter(no-spam-filler)@...
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **********
>
>
>
>
> [Non-text portions of this message have been removed]
>

5248. 2.063Xg Items

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-16 00:30:45 UTC
From: John T. Fleming
Topic: 5248 Message: 5248

I have a fix for my lack of marks on the sweep display. I took a small piece of "frosted" clear tape and put a small strip of paper under it. I cut the tape length wise so it would fit between the display and the bottom buttons. I then reloaded 2.062a and marked the tape with the steps away for the received frequency. I needed the narrow strip of white paper under the tape for contrast to see the black pen marks every 10 KHz.

The next problem I noticed is the "dot" that moves if you change frequency. If you turn off the radio with the sweep operating, when it is turned back on, the "dot" is missing. Cycling the sweep off and back on restores it.

73,

John

[Non-text portions of this message have been removed]

5249. Re: [orion565] 2.063Xg Items

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-16 00:36:09 UTC
From: Rob - G4LMW
Topic: 5248 Message: 5249

A fix?....."sticky tape on the LCD screen?

I think I'll stick with my current version!

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "John T. Fleming" <john@...>
To: "'Discussion of Ten-Tec Equipment'" <tentec@...>;
<orion565@yahoogroups.com>
Sent: Saturday, May 16, 2009 1:30 AM
Subject: [orion565] 2.063Xg Items

>I have a fix for my lack of marks on the sweep display. I took a small
>piece
> of "frosted" clear tape and put a small strip of paper under it. I cut the
> tape length wise so it would fit between the display and the bottom
> buttons.
> I then reloaded 2.062a and marked the tape with the steps away for the
> received frequency. I needed the narrow strip of white paper under the
> tape
> for contrast to see the black pen marks every 10 KHz.
>
>
>
> The next problem I noticed is the "dot" that moves if you change
> frequency.
> If you turn off the radio with the sweep operating, when it is turned back
> on, the "dot" is missing. Cycling the sweep off and back on restores it.
>
>
>
> 73,
>
> John
>
>
>
> [Non-text portions of this message have been removed]
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>
> Yahoo! Groups Links
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5250. RE: [orion565] 2.063Xg Items

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-16 00:57:15 UTC
From: John T. Fleming
Topic: 5248 Message: 5250

Rob,

I stuck the tape to the curved black at the bottom. That is why I had to put a strip of white paper under it to see the black pen marks. I am hoping Ten-Tec will restore some version of the marks. Now that we no longer have the option to change the sweep width, the marks can be "fixed." I am on my second display. I had a line across it. I think it cost about $200 plus labor for the repair PLUS the freight! I put nothing on the LCD display.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Rob - G4LMW
Sent: Friday, May 15, 2009 8:36 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] 2.063Xg Items

A fix?....."sticky tape on the LCD screen?

I think I'll stick with my current version!

73, Rob
G4LMW
http://www.G4LMW. <http://www.G4LMW.co.uk> co.uk

----- Original Message -----
From: "John T. Fleming" <john@... <mailto:john%40w3gqj.net> >
To: "'Discussion of Ten-Tec Equipment'" <tentec@contesting.
<mailto:tentec%40contesting.com> com>;
<orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com>
Sent: Saturday, May 16, 2009 1:30 AM
Subject: [orion565] 2.063Xg Items

>I have a fix for my lack of marks on the sweep display. I took a small
>piece
> of "frosted" clear tape and put a small strip of paper under it. I cut the
> tape length wise so it would fit between the display and the bottom
> buttons.
> I then reloaded 2.062a and marked the tape with the steps away for the
> received frequency. I needed the narrow strip of white paper under the
> tape
> for contrast to see the black pen marks every 10 KHz.
>

>
>
> The next problem I noticed is the "dot" that moves if you change
> frequency.
> If you turn off the radio with the sweep operating, when it is turned back
> on, the "dot" is missing. Cycling the sweep off and back on restores it.
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> 73,
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> John
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

5251. Re: [orion565] 2.063Xg Items

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-16 01:05:33 UTC
From: Barry N1EU
Topic: 5248 Message: 5251

On Sat, May 16, 2009 at 12:36 AM, Rob - G4LMW <G4LMW@...> wrote:

> A fix?....."sticky tape on the LCD screen?
>
> I think I'll stick with my current version!
>

Priceless - thanks for the laugh Rob!

Haven't looked at my sweep in several years and could care less if it's been improved. Waiting for some comments on whether AGC/gain distribution has improved, but not in any hurry either.

73,
Barry N1EU

5252. Re: [orion565] 2.063Xg Items

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-16 01:12:01 UTC
From: Rob - G4LMW
Topic: 5248 Message: 5252

I know John....

"beta" is exactly that, and we have to do the best with what we have... feed it back and hope for improvements.....

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "John T. Fleming" <john@...>
To: <orion565@yahoogroups.com>
Sent: Saturday, May 16, 2009 1:57 AM
Subject: RE: [orion565] 2.063Xg Items

> Rob,
>
>
>
> I stuck the tape to the curved black at the bottom. That is why I had to
> put
> a strip of white paper under it to see the black pen marks. I am hoping
> Ten-Tec will restore some version of the marks. Now that we no longer have
> the option to change the sweep width, the marks can be "fixed." I am on my
> second display. I had a line across it. I think it cost about $200 plus
> labor for the repair PLUS the freight! I put nothing on the LCD display.
>
>
>
> 73,
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> John
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>
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Rob - G4LMW
> Sent: Friday, May 15, 2009 8:36 PM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] 2.063Xg Items
>
>
>
>

>
>
>
>
> A fix?....."sticky tape on the LCD screen?
>
> I think I'll stick with my current version!
>
> 73, Rob
> G4LMW
> http://www.G4LMW. <http://www.G4LMW.co.uk> co.uk
>
> ----- Original Message -----
> From: "John T. Fleming" <john@... <mailto:john%40w3gqj.net> >
> To: "'Discussion of Ten-Tec Equipment'" <tentec@contesting.
> <mailto:tentec%40contesting.com> com>;
> <orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com>
> Sent: Saturday, May 16, 2009 1:30 AM
> Subject: [orion565] 2.063Xg Items
>
>>I have a fix for my lack of marks on the sweep display. I took a small
>>piece
>> of "frosted" clear tape and put a small strip of paper under it. I cut
>> the
>> tape length wise so it would fit between the display and the bottom
>> buttons.
>> I then reloaded 2.062a and marked the tape with the steps away for the
>> received frequency. I needed the narrow strip of white paper under the
>> tape
>> for contrast to see the black pen marks every 10 KHz.
>>
>>
>>
>> The next problem I noticed is the "dot" that moves if you change
>> frequency.
>> If you turn off the radio with the sweep operating, when it is turned
>> back
>> on, the "dot" is missing. Cycling the sweep off and back on restores it.
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>> 73,
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>> John
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>> [Non-text portions of this message have been removed]
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>> Yahoo! Groups Links
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> [Non-text portions of this message have been removed]
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>
> Yahoo! Groups Links
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>

5253. RE: [orion565] 2.063Xg Items

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-16 01:24:38 UTC
From: John T. Fleming
Topic: 5248 Message: 5253

Barry,

I operate a lot on traffic nets. When I am the net control, the sweet display is a valuable asset.

I noticed that when I am running the AF AGC that the noise from my plasma is less noticeable than with the RF AGC. I need to do more experimenting on this to see if it was just fact that my roof is wet from the rain compared to when I had used the RF setting. My antenna is tucked under the shingles because of the restrictions. There is a picture on QRZ.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Friday, May 15, 2009 9:06 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] 2.063Xg Items

On Sat, May 16, 2009 at 12:36 AM, Rob - G4LMW <G4LMW@btconnect.
<mailto:G4LMW%40btconnect.com> com> wrote:

> A fix?....."sticky tape on the LCD screen?
>
> I think I'll stick with my current version!
>

Priceless - thanks for the laugh Rob!

Haven't looked at my sweep in several years and could care less if it's been improved. Waiting for some comments on whether AGC/gain distribution has improved, but not in any hurry either.

73,
Barry N1EU

[Non-text portions of this message have been removed]

5254. Re: 2.041XT FW Follow-up - addendum

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-16 07:57:13 UTC
From: Peter Frenning [OZ1PIF]
Topic: 5240 Message: 5254

Peter Frenning [OZ1PIF] skrev:
> Peter Frenning [OZ1PIF] skrev:
>> Well, I've just seen the "Red Screen" again (using the AF-AGC) after
>> about 30 mins on 80m
>> Sweep On/Off cycling clears the condition!
> Well, several hours later, it seems to me that the "Red Screen" only
> occurs when using the "AF-AGC", Three hours straight running with
> "RF-AGC" has been entirely uneventful.
>

I have now also seen the "Red Screen" appear when running "RF-AGC", so
this one has definitely not been put to rest....

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

5255. Re: Orion 2 2.041XT FW (Beta) Upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-16 13:18:35 UTC
From: w3qj37
Topic: 5238 Message: 5255

566_2.041XT FW (Beta.....noticed audio distortion with NR voice & CW modes. Back to 2.041XL, no distortion. Will try XT and different settings when time permits. XL was fine, and didn't notice display quirks others reported. Just curious what XT would do for my 566. Now I know. No worries XL is fine for me. I'll bet I'm overlooking something with XT. Will report with findings as time permits.

W3VR

--- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@...> wrote:
>
> Successful update here; 10693 lines in just under 6mins run from WinXP
> running on VirtualBox on top of Ubuntu (Linux) using an USB to Serial
> adapter.
> RF-AGC and AF-AGC now have equal volume, and Sweep-Display now seem to
> behave properly.
>
>
> So far so good...
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> ** CW: Who? Me? You must be joking!! **
> email: peter(no-spam-filler)@...
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **********
>
>
>
>
> [Non-text portions of this message have been removed]
>

5256. Orion 565 and Perseus SDR ??

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-17 12:43:33 UTC
From: m3rdx
Topic: 5256 Message: 5256

Hi Guys
I will soon have a Ten tec Orion 565 the 1st model I already have the Perseus SDR and a Elad Switch Box but my question is can I link the Orion and the Perseus in a similar way to the FT-2000 owners so that I can use either the Perseus Receiver or switch and use the Orion receiver or both at the same time ??? I know the FT-2000 guys use the RX antenna out socket but I believe the Orion only has a receive antenna in socket ??? anyone got any ideas ???
thanks in advance Ian 2E1RDX

5257. AMRITRON AL811H

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-17 13:20:51 UTC
From: Neil Barrowman
Topic: 5257 Message: 5257

HI FELLOW TENTECIANS- GREETINGS FROM SCOTLAND- NEED A LITTLE HELP-IVE RECENLY AQUIRED A LINEAR AMP AND AT THE REAR OF THIS "OLD-TIMER"THERE ARE A NUMBER OF LITTLE HOLES IN A CIRCULAR PATTERN- WHICH I UNDERSTAND TO BE ACCESS HOLES FOR A TRIMMING TOOL TO ADJUST THE CORES OF THE INPUT TUNED CIRCUITS.
IM A LITTLE VAGUE AS TO THE PROCEDURE HERE-DO I DO THIS ADJUSTMENT AT LOW POWER FROM MY ORIONO2 ? DO I ADJUST FOR A PEAK ON THE AMP OUTPUT INTO A DUMMY LOAD.? THANKS IN ANTICIPATION .I SURE ENJOY THIS GROUP-.ON THE ONE HAND ITS SO INFORMATIVE -LOTS OF QUESTIONS--MANY ANSWERS: ON THE OTHER HAND ITS SO MUCH BETTER THAN MOST OF THE LOCAL "SOAPS" GREAT ENTERTAINMENT!! DE GM0LTQ NEIL

--
I am using the free version of SPAMfighter.
We are a community of 6 million users fighting spam.
SPAMfighter has removed 251 of my spam emails to date.
Get the free SPAMfighter here: http://www.spamfighter.com/len

The Professional version does not have this message

[Non-text portions of this message have been removed]

5258. Re: AMRITRON AL811H

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-17 17:37:10 UTC
From: k1fpv
Topic: 5257 Message: 5258

Hi Neil,

I have an AL-811 I use as a back-up amplifier for my AL-82. I use an SWR bridge between my Orion II and amplifier. The amp goes into a 1 KW dummy load. I drive the amp with only about 10 watts or so and adjust the slugs for the minimum SWR between the amp and radio. With minimum SWR, you not only get a low SWR for the radio, but maximum output from the amp too! I've used this procedure for the AL-82 also as well as other amps. On the AL-811, you must adjust the SWR on the bands you use the most. An example is the 15/17 meter coil. You get a flat SWR on one or the other, but not both bands. Good luck!

73,
Bill
K1FPV

--- In orion565@yahoogroups.com, "Neil Barrowman" <neil.barrowman@...> wrote:
>
> HI FELLOW TENTECIANS- GREETINGS FROM SCOTLAND- NEED A LITTLE HELP-IVE RECENLY AQUIRED A LINEAR AMP AND AT THE REAR OF THIS "OLD-TIMER"THERE ARE A NUMBER OF LITTLE HOLES IN A CIRCULAR PATTERN- WHICH I UNDERSTAND TO BE ACCESS HOLES FOR A TRIMMING TOOL TO ADJUST THE CORES OF THE INPUT TUNED CIRCUITS.
> IM A LITTLE VAGUE AS TO THE PROCEDURE HERE-DO I DO THIS ADJUSTMENT AT LOW POWER FROM MY ORIONO2 ? DO I ADJUST FOR A PEAK ON THE AMP OUTPUT INTO A DUMMY LOAD.? THANKS IN ANTICIPATION .I SURE ENJOY THIS GROUP-.ON THE ONE HAND ITS SO INFORMATIVE -LOTS OF QUESTIONS--MANY ANSWERS: ON THE OTHER HAND ITS SO MUCH BETTER THAN MOST OF THE LOCAL "SOAPS" GREAT ENTERTAINMENT!! DE GM0LTQ NEIL
>
> --
> I am using the free version of SPAMfighter.
> We are a community of 6 million users fighting spam.
> SPAMfighter has removed 251 of my spam emails to date.
> Get the free SPAMfighter here: http://www.spamfighter.com/len
>
> The Professional version does not have this message
>
>
> [Non-text portions of this message have been removed]
>

5259. For Sale 565 Orion 1 USA only

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-17 18:47:55 UTC
From: newriverkayak
Topic: 5259 Message: 5259

Selling my Orion 1, 250 & 500 roofing filters. no tuner.Works great no problems. $ 1900.00 plus shipping

Thanks
Marty
bronzbackhunter@...

5260. Orion 1 pas

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-17 22:15:09 UTC
From: peter_grainger
Topic: 5260 Message: 5260

Hi all .Peter here .
Does anyone now a scource for PA transisters at a reasonable price.
many thanks Peter..

5261. audio fading problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-18 13:23:30 UTC
From: Dave
Topic: 5261 Message: 5261

Hi,
can anyone tell me if there is a software version that I can return the radio to that will stop the audio fading problem that i am having with my orion 2 with the last beta update 2.041.
thanks de dave gm6jua

5262. Remote encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-18 16:13:29 UTC
From: Yuri VE3XB
Topic: 5234 Message: 5262

Hi to all,

Just came back from Dayton where I bought remote encoder/keypad.
The guy who sold it said that it was working fine but when I hooked it up it appears that the main knob has a gap roughly 30-45 degrees where turning it doesn't produce any frequency change. Is there any known fix for this kind of problem?
Thanks in advance,

Yuri VE3XB

5263. AL811

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-18 17:43:22 UTC
From: Neil Barrowman
Topic: 5263 Message: 5263

HI AGAIN TNX BILL K1FPV-- FOR YOUR VY PROMPT REPLY. I HAD A ROUGH/ VAGUE IDEA THAT I WOULD NEED TO DO SOMETHING LIKE THAT-- SO THANKYOU FOR DESCRIBING SPECIFICALLY WHAT TO DO. NEIL GM0LTQ IN GLASGOW SCOTLAND

--
I am using the free version of SPAMfighter.
We are a community of 6 million users fighting spam.
SPAMfighter has removed 253 of my spam emails to date.
Get the free SPAMfighter here: http://www.spamfighter.com/len

The Professional version does not have this message

[Non-text portions of this message have been removed]

5264. Re: Orion 2 2.041XT FW (Beta) Upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-18 18:09:41 UTC
From: dxsteve2000
Topic: 5238 Message: 5264

Is there a difference between the Feb. and the May version of 2.041XT?

Steve AG4W

--- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@...> wrote:
>
> Successful update here; 10693 lines in just under 6mins run from WinXP
> running on VirtualBox on top of Ubuntu (Linux) using an USB to Serial
> adapter.
> RF-AGC and AF-AGC now have equal volume, and Sweep-Display now seem to
> behave properly.
>
>
> So far so good...
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> ** CW: Who? Me? You must be joking!! **
> email: peter(no-spam-filler)@...
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **********
>
>
>
>
> [Non-text portions of this message have been removed]
>

5265. And I did

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-19 02:35:29 UTC
From: Pumbaa
Topic: 5265 Message: 5265

To start sending messages to members of this group, simply send email to

orion565@yahoogroups.com

[Non-text portions of this message have been removed]

5266. Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-19 09:21:38 UTC
From: i0lbe
Topic: 5231 Message: 5266

I have just loaded the current BETA version, and after many hours of use I can say all is OK: actually I like the new sweep display... :-)

I noticed perhaps a slower action of threshold AGC when setting low uV values, it seems like the quantization has been recalculated...
Am I wrong ?
Any one noticed this behavior ?

Best 73 all !
Fabio, I0LBE

5267. Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-19 09:31:51 UTC
From: i0lbe
Topic: 5231 Message: 5267

To explain better: I am referring only to the pot action/speed, not to the AGC action ! :-)

Fabio, I0LBE

--- In orion565@yahoogroups.com, "i0lbe" <liber.fab@...> wrote:
>
>
> I have just loaded the current BETA version, and after many hours of use I can say all is OK: actually I like the new sweep display... :-)
>
> I noticed perhaps a slower action of threshold AGC when setting low uV values, it seems like the quantization has been recalculated...
> Am I wrong ?
> Any one noticed this behavior ?
>
> Best 73 all !
> Fabio, I0LBE
>

5268. Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-19 12:23:22 UTC
From: pa1ap
Topic: 5231 Message: 5268

Greetings,

Yes i did notice that. For very low (small) values of threshold it seems to take a lot longer then it used to take. At first I doubted the encoder and though it was broken somehow....

I also found a couple of other issues which I documented in my logbook.

Somehow it seems Ten-Tec would benefit by providing a "found issue" bulletin board where ten-tec users can post the issues as found. Today there seems to be no feedback mechanism so whatever found needs to be "escalated" somehow...

Best regards,
Onno pa1ap

--- In orion565@yahoogroups.com, "i0lbe" <liber.fab@...> wrote:
>
>
> I have just loaded the current BETA version, and after many hours of use I can say all is OK: actually I like the new sweep display... :-)
>
> I noticed perhaps a slower action of threshold AGC when setting low uV values, it seems like the quantization has been recalculated...
> Am I wrong ?
> Any one noticed this behavior ?
>
> Best 73 all !
> Fabio, I0LBE
>

5269. Re: [orion565] Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-19 15:02:28 UTC
From: Fabio Liberatori
Topic: 5231 Message: 5269

Hi Onno,
thanks for your kind reply, now I have a confirm
there is no need to replace my encoder... :-)

Your findings are really interesting, and I absolutely agree with you:
a feedback mechanism would be very useful both for us and TenTec, why
not to start with it ??
If someone has a direct line with the factory it would be nice to have
a confirm and an "imprimatur" by them...

In any case, for the moment this BETA version is playing well with me...
On the other side, I am not so sure to load the new BETA on my ORION
II, after having read some comments here on the reflector...

73 de I0LBE, Fabio

Il giorno 19/mag/09, alle ore 14:23, pa1ap ha scritto:

>
>
> Greetings,
>
> Yes i did notice that. For very low (small) values of threshold it
> seems to take a lot longer then it used to take. At first I doubted
> the encoder and though it was broken somehow....
>
> I also found a couple of other issues which I documented in my
> logbook.
>
> Somehow it seems Ten-Tec would benefit by providing a "found issue"
> bulletin board where ten-tec users can post the issues as found.
> Today there seems to be no feedback mechanism so whatever found
> needs to be "escalated" somehow...
>
> Best regards,
> Onno pa1ap
>
> --- In orion565@yahoogroups.com, "i0lbe" <liber.fab@...> wrote:
> >
> >
> > I have just loaded the current BETA version, and after many hours
> of use I can say all is OK: actually I like the new sweep
> display... :-)
> >
> > I noticed perhaps a slower action of threshold AGC when setting
> low uV values, it seems like the quantization has been recalculated...

> > Am I wrong ?
> > Any one noticed this behavior ?
> >
> > Best 73 all !
> > Fabio, I0LBE
> >
>
>

[Non-text portions of this message have been removed]

5270. Re: [orion565] Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-19 15:31:02 UTC
From: Billy Cox
Topic: 5231 Message: 5270

Onno, please be sure and email Ditsbits about the notes
that you made in your logbook ... they do not monitor
this forum that I am aware of ... so unless each of us
sends a direct email to them with details on what we find,
what good does it do? Let's make the best use we can of
the reporting system that we have today.

73 de Billy, AA4NU

-----Original Message-----
>From: pa1ap <pa1ap@...>
>I also found a couple of other issues which I documented in my logbook.

5271. Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-19 15:51:14 UTC
From: ve7tk
Topic: 5231 Message: 5271

I have found 2 problems with the Orion 565 Beta firmware. I have reported them to ditsnbits@... and received an auto-acknowledgment. The problems were:

(MINOR) When the AGC is changed from RF AGC to AF AGC (or vice versa) the Orion serial port shuts down. A reboot of the Orion eliminates this problem. (Since a reboot of the Orion is necessary for the AGC change to take effect perhaps that should be noted in the onscreen loading of the DSP). As mentioned a minor problem.

(Significant) When using the AF AGC the audio almost disappears completely when the NR is engaged at any level -- even a "1" will cause the problem. On my Orion the volume at MAX level gives only very weak audio. It's in there but it is very weak.

73, Rick
VE7TK

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings,
>
> Yes i did notice that. For very low (small) values of threshold it seems to take a lot longer then it used to take. At first I doubted the encoder and though it was broken somehow....
>
> I also found a couple of other issues which I documented in my logbook.
>
> Somehow it seems Ten-Tec would benefit by providing a "found issue" bulletin board where ten-tec users can post the issues as found. Today there seems to be no feedback mechanism so whatever found needs to be "escalated" somehow...
>
> Best regards,
> Onno pa1ap
>
> --- In orion565@yahoogroups.com, "i0lbe" <liber.fab@> wrote:
> >
> >
> > I have just loaded the current BETA version, and after many hours of use I can say all is OK: actually I like the new sweep display... :-)
> >
> > I noticed perhaps a slower action of threshold AGC when setting low uV values, it seems like the quantization has been recalculated...
> > Am I wrong ?
> > Any one noticed this behavior ?
> >
> > Best 73 all !
> > Fabio, I0LBE
> >

>

5272. Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-19 15:57:52 UTC
From: ve7tk
Topic: 5231 Message: 5272

Yahoo has stripped the domain name form the ditsnbits email address. The domain is:

tentec.com (tentec dot com)

Rick
VE7TK

5273. Re: [orion565] Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-19 16:57:46 UTC
From: jd_hudson@comcast.net
Topic: 5231 Message: 5273

Tnx Rick for the serial port issue.. had not found that one yet but knew about the Audio issue..

My issues (wants) are

- BW & PBT boxes are too small..bring back the larger as in previous versions
- Use some type of frequency markers in the bandscope space for reference
- Use a vertical line marker instead of the dot on the bandscope
- Plus the fixes you mentioned

Seems like there was another one but will think about it later

73

John
KO4XJ

----- Original Message -----
From: "ve7tk" <ve7tk@...>
To: orion565@...m
Sent: Tuesday, May 19, 2009 10:51:14 AM GMT -06:00 US/Canada Central
Subject: [orion565] Re: new Orion 1 beta version

I have found 2 problems with the Orion 565 Beta firmware. I have reported them to ditsnbits@tentec.com and received an auto-acknowledgment. The problems were:

(MINOR) When the AGC is changed from RF AGC to AF AGC (or vice versa) the Orion serial port shuts down. A reboot of the Orion eliminates this problem. (Since a reboot of the Orion is necessary for the AGC change to take effect perhaps that should be noted in the onscreen loading of the DSP). As mentioned a minor problem.

(Significant) When using the AF AGC the audio almost disappears completely when the NR is engaged at any level -- even a "1" will cause the problem. On my Orion the volume at MAX level gives only very weak audio. It's in there but it is very weak.

73, Rick
VE7TK

--- In orion565@yahoogroups.com , "pa1ap" <pa1ap@...> wrote:
>
> Greetings,
>
> Yes i did notice that. For very low (small) values of threshold it seems to take a lot longer then it used to take. At first I doubted the encoder and though it was broken somehow....
>
> I also found a couple of other issues which I documented in my logbook.
>

> Somehow it seems Ten-Tec would benefit by providing a "found issue" bulletin board where ten-tec users can post the issues as found. Today there seems to be no feedback mechanism so whatever found needs to be "escalated" somehow...
>
> Best regards,
> Onno pa1ap
>
> --- In orion565@yahoogroups.com , "i0lbe" <liber.fab@> wrote:
> >
> >
> > I have just loaded the current BETA version, and after many hours of use I can say all is OK: actually I like the new sweep display... :-)
> >
> > I noticed perhaps a slower action of threshold AGC when setting low uV values, it seems like the quantization has been recalculated...
> > Am I wrong ?
> > Any one noticed this behavior ?
> >
> > Best 73 all !
> > Fabio, I0LBE
> >
>

[Non-text portions of this message have been removed]

5274. Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-19 20:14:39 UTC
From: pa1ap
Topic: 5231 Message: 5274

Greetings,

Is there a way we all can contribute and structure our findings in such way we dont overflow ditsbits with repetitive questions?

A structured question log would benefit tentec development which translates into faster resolution for us "customers". And when we all focus on the same log we can duplicate verification much easier as well.

I have raised this suggestion to tentec sales and they actually refered to this forum :-)

If the community would maintain a "bug list" and we share the bug list with tentec our chances of quicker resolution will be much higher since it would become a community message to tentec instead of individual message.

I am not sure what we can do using the yahoo applications but if the group appreciates I can certainly investigate this.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, Billy Cox <aa4nu@...> wrote:
>
> Onno, please be sure and email Ditsbits about the notes
> that you made in your logbook ... they do not monitor
> this forum that I am aware of ... so unless each of us
> sends a direct email to them with details on what we find,
> what good does it do? Let's make the best use we can of
> the reporting system that we have today.
>
> 73 de Billy, AA4NU
>
> -----Original Message-----
> >From: pa1ap <pa1ap@...>
> >I also found a couple of other issues which I documented in my logbook.
>

5275. RE: [orion565] Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-20 01:02:10 UTC
From: Stan Dicks
Topic: 5231 Message: 5275

Rick,

I just did an A/B test on audio level between AF AGC and RF AGC. The RF AGC audio level is notably louder, whether the NR is employed or not. Given that the audio levels in the Orion I 2.0+ version software are too low to begin with, this dictates RG AGC use for me, at least for my lowband DXing habits.

73,
Stan, W4AG

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of ve7tk
Sent: Tuesday, May 19, 2009 11:51 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: new Orion 1 beta version

I have found 2 problems with the Orion 565 Beta firmware. I have reported them to ditsnbits@... and received an auto-acknowledgment. The problems were:

(MINOR) When the AGC is changed from RF AGC to AF AGC (or vice versa) the Orion serial port shuts down. A reboot of the Orion eliminates this problem. (Since a reboot of the Orion is necessary for the AGC change to take effect perhaps that should be noted in the onscreen loading of the DSP). As mentioned a minor problem.

(Significant) When using the AF AGC the audio almost disappears completely when the NR is engaged at any level -- even a "1" will cause the problem. On my Orion the volume at MAX level gives only very weak audio. It's in there but it is very weak.

73, Rick
VE7TK

5276. Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-20 07:29:10 UTC
From: pa1ap
Topic: 5231 Message: 5276

Using RF AGC indeed the audio sounds louder but there is also distortion due to clipping and no matter what setting this remains present. When stronger signals appear I also noticed "plopping". Does any of you noticed the same? I have capture the clipping and plopping on visual audio capture and can post it if needed. I am using AF AGC for now and dont use the NR since it indeed makes the radio very silent...

I recall that one of the 1.3x code developers once wrote that AGC has to be adjusted when NR is switched on to avoid complete audio silence. Seems to me this might be the case using the previous firmware.

73, onno pa1ap

--- In orion565@yahoogroups.com, "Stan Dicks" <w4ag@...> wrote:
>
> Rick,
>
> I just did an A/B test on audio level between AF AGC and RF AGC. The RF AGC
> audio level is notably louder, whether the NR is employed or not. Given that
> the audio levels in the Orion I 2.0+ version software are too low to begin
> with, this dictates RG AGC use for me, at least for my lowband DXing habits.
>
> 73,
> Stan, W4AG
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of ve7tk
> Sent: Tuesday, May 19, 2009 11:51 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: new Orion 1 beta version
>
> I have found 2 problems with the Orion 565 Beta firmware. I have reported
> them to ditsnbits@... and received an auto-acknowledgment. The
> problems were:
>
> (MINOR) When the AGC is changed from RF AGC to AF AGC (or vice versa) the
> Orion serial port shuts down. A reboot of the Orion eliminates this
> problem. (Since a reboot of the Orion is necessary for the AGC change to
> take effect perhaps that should be noted in the onscreen loading of the
> DSP). As mentioned a minor problem.
>
> (Significant) When using the AF AGC the audio almost disappears completely
> when the NR is engaged at any level -- even a "1" will cause the problem.
> On my Orion the volume at MAX level gives only very weak audio. It's in
> there but it is very weak.
>

> 73, Rick
> VE7TK
>

5277. Re: [orion565] Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-20 11:05:32 UTC
From: Barry N1EU
Topic: 5231 Message: 5277

On Wed, May 20, 2009 at 7:29 AM, pa1ap <pa1ap@...> wrote:
>
>
> Using RF AGC indeed the audio sounds louder but there is also distortion due
> to clipping and no matter what setting this remains present. When stronger
> signals appear I also noticed "plopping". Does any of you noticed the same?

Isn't this the same gain distribution problem that has always plagued
v2 firmware running on the Orion I ?

Barry N1EU

5278. Re: [orion565] Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-20 14:26:35 UTC
From: Billy Cox
Topic: 5231 Message: 5278

Onno, would you please send the captured data to Ditsnbits@...
so they can SEE exactly what is going on with this.

TU es 73 de Billy, AA4NU

-----Original Message-----
>From: pa1ap <pa1ap@...>
>Sent: May 20, 2009 3:29 AM
>To: orion565@yahoogroups.com
>Subject: [orion565] Re: new Orion 1 beta version
>
>Using RF AGC indeed the audio sounds louder but there is also distortion due to clipping and no matter what setting this remains present. When stronger signals appear I also noticed "plopping". Does any of you noticed the same? I have capture the clipping and plopping on visual audio capture and can post it if needed. I am using AF AGC for now and dont use the NR since it indeed makes the radio very silent...
>
>I recall that one of the 1.3x code developers once wrote that AGC has to be adjusted when NR is switched on to avoid complete audio silence. Seems to me this might be the case using the previous firmware.
>
>73, onno pa1ap
>
>--- In orion565@yahoogroups.com, "Stan Dicks" <w4ag@...> wrote:
>>
>> Rick,
>>
>> I just did an A/B test on audio level between AF AGC and RF AGC. The RF AGC
>> audio level is notably louder, whether the NR is employed or not. Given that
>> the audio levels in the Orion I 2.0+ version software are too low to begin
>> with, this dictates RG AGC use for me, at least for my lowband DXing habits.
>>
>> 73,
>> Stan, W4AG
>>
>> -----Original Message-----
>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
>> Of ve7tk
>> Sent: Tuesday, May 19, 2009 11:51 AM
>> To: orion565@yahoogroups.com
>> Subject: [orion565] Re: new Orion 1 beta version
>>
>> I have found 2 problems with the Orion 565 Beta firmware. I have reported
>> them to ditsnbits@... and received an auto-acknowledgment. The
>> problems were:

>>
>> (MINOR) When the AGC is changed from RF AGC to AF AGC (or vice versa) the
>> Orion serial port shuts down. A reboot of the Orion eliminates this
>> problem. (Since a reboot of the Orion is necessary for the AGC change to
>> take effect perhaps that should be noted in the onscreen loading of the
>> DSP). As mentioned a minor problem.
>>
>> (Significant) When using the AF AGC the audio almost disappears completely
>> when the NR is engaged at any level -- even a "1" will cause the problem.
>> On my Orion the volume at MAX level gives only very weak audio. It's in
>> there but it is very weak.
>>
>> 73, Rick
>> VE7TK
>>
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>Yahoo! Groups Links
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5279. Re: [orion565] Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-20 14:29:55 UTC
From: Stoian Dan
Topic: 5231 Message: 5279

Please post it on the group also!

thanks, Dan, YO2LLQ

On Wed, 20 May 2009 17:26:35 +0300, Billy Cox <aa4nu@...> wrote:

> Onno, would you please send the captured data to Ditsnbits@...
> so they can SEE exactly what is going on with this.
>
> TU es 73 de Billy, AA4NU
>
> -----Original Message-----
>> From: pa1ap <pa1ap@...>
>> Sent: May 20, 2009 3:29 AM
>> To: orion565@yahoogroups.com
>> Subject: [orion565] Re: new Orion 1 beta version
>>
>> Using RF AGC indeed the audio sounds louder but there is also
>> distortion due to clipping and no matter what setting this remains
>> present. When stronger signals appear I also noticed "plopping". Does
>> any of you noticed the same? I have capture the clipping and plopping
>> on visual audio capture and can post it if needed. I am using AF AGC
>> for now and dont use the NR since it indeed makes the radio very
>> silent...
>>
>> I recall that one of the 1.3x code developers once wrote that AGC has
>> to be adjusted when NR is switched on to avoid complete audio silence.
>> Seems to me this might be the case using the previous firmware.
>>
>> 73, onno pa1ap
>>
>> --- In orion565@yahoogroups.com, "Stan Dicks" <w4ag@...> wrote:
>>>
>>> Rick,
>>>
>>> I just did an A/B test on audio level between AF AGC and RF AGC. The
>>> RF AGC
>>> audio level is notably louder, whether the NR is employed or not.
>>> Given that
>>> the audio levels in the Orion I 2.0+ version software are too low to
>>> begin
>>> with, this dictates RG AGC use for me, at least for my lowband DXing
>>> habits.
>>>
>>> 73,
>>> Stan, W4AG

>>>
>>> -----Original Message-----
>>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
>>> Behalf
>>> Of ve7tk
>>> Sent: Tuesday, May 19, 2009 11:51 AM
>>> To: orion565@yahoogroups.com
>>> Subject: [orion565] Re: new Orion 1 beta version
>>>
>>> I have found 2 problems with the Orion 565 Beta firmware. I have
>>> reported
>>> them to ditsnbits@... and received an auto-acknowledgment. The
>>> problems were:
>>>
>>> (MINOR) When the AGC is changed from RF AGC to AF AGC (or vice versa)
>>> the
>>> Orion serial port shuts down. A reboot of the Orion eliminates this
>>> problem. (Since a reboot of the Orion is necessary for the AGC change
>>> to
>>> take effect perhaps that should be noted in the onscreen loading of the
>>> DSP). As mentioned a minor problem.
>>>
>>> (Significant) When using the AF AGC the audio almost disappears
>>> completely
>>> when the NR is engaged at any level -- even a "1" will cause the
>>> problem.
>>> On my Orion the volume at MAX level gives only very weak audio. It's
>>> in
>>> there but it is very weak.
>>>
>>> 73, Rick
>>> VE7TK
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>> Yahoo! Groups Links
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dan stoian

5280. Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-20 14:43:56 UTC
From: pa1ap
Topic: 5231 Message: 5280

It seems that way when using RF AGC mode of operation. I have downgraded to 2.056 and the issue was gone again.

There are many improvements which motivate me to stick with release 2. I have downgraded to 1.372 to see how it feels and runs and I did not like what I found (before I liked it a lot). Upgraded quickly after that to latest beta again. Rig control response, LCD contrast and even the sound is much better in release 2.056. Even cw memory surives a power cycle now...

Anyway, i will stick with the beta for a while to drive it and isolate bugs as much as I can. Another bug is that the internal tuner might be switched on while its not indicated. At first I thought my antenna was broken but I measured with antenna analyzer perfect swr. Then I disbaled the tuner through menu and swr was as expected again. All the time no indication of tuner in lcd screen...

Its great we can run multiple images and almost customize the rig to what a person would accept.

Best regards,
Onno

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> On Wed, May 20, 2009 at 7:29 AM, pa1ap <pa1ap@...> wrote:
> >
> >
> > Using RF AGC indeed the audio sounds louder but there is also distortion due
> > to clipping and no matter what setting this remains present. When stronger
> > signals appear I also noticed "plopping". Does any of you noticed the same?
>
> Isn't this the same gain distribution problem that has always plagued
> v2 firmware running on the Orion I ?
>
> Barry N1EU
>

5281. Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-20 14:51:07 UTC
From: pa1ap
Topic: 5231 Message: 5281

I will create a report and post it on the forum as well.

Below an example of the comparison between 2056 and 2062 and AGC clipping resulting in high frequency hiss (check the files section for agc folder).. Today 2056 is still my favorite release 2 version but the last beta fixes something I really appreciate; the lcd contrast stay stable... no more changing between cold and warm... whatever they did in the new firmware they addressed the lcd driver routine!

http://f1.grp.yahoofs.com/v1/4AwUSg9j83k_tNt1Vx4FRxuPE1nxdSCrDS9WRIXxwNm9CtuaFwQd3DpbUb07K9ZnjT_hksJ-T6TRSyR2yULa2EAUz0itesLJNg/pa1ap%20agc%20stuff/565%20agc%20clipping.pdf

--- In orion565@yahoogroups.com, "Stoian Dan" <danvstoian@...> wrote:
>
> Please post it on the group also!
>
> thanks, Dan, YO2LLQ
>
> On Wed, 20 May 2009 17:26:35 +0300, Billy Cox <aa4nu@...> wrote:
>
> > Onno, would you please send the captured data to Ditsnbits@...
> > so they can SEE exactly what is going on with this.
> >
> > TU es 73 de Billy, AA4NU
> >
> > -----Original Message-----
> >> From: pa1ap <pa1ap@...>
> >> Sent: May 20, 2009 3:29 AM
> >> To: orion565@yahoogroups.com
> >> Subject: [orion565] Re: new Orion 1 beta version
> >>
> >> Using RF AGC indeed the audio sounds louder but there is also
> >> distortion due to clipping and no matter what setting this remains
> >> present. When stronger signals appear I also noticed "plopping". Does
> >> any of you noticed the same? I have capture the clipping and plopping
> >> on visual audio capture and can post it if needed. I am using AF AGC
> >> for now and dont use the NR since it indeed makes the radio very
> >> silent...
> >>
> >> I recall that one of the 1.3x code developers once wrote that AGC has
> >> to be adjusted when NR is switched on to avoid complete audio silence.
> >> Seems to me this might be the case using the previous firmware.
> >>
> >> 73, onno pa1ap
> >>
> >> --- In orion565@yahoogroups.com, "Stan Dicks" <w4ag@> wrote:
> >>>

> >>> Rick,
> >>>
> >>> I just did an A/B test on audio level between AF AGC and RF AGC. The
> >>> RF AGC
> >>> audio level is notably louder, whether the NR is employed or not.
> >>> Given that
> >>> the audio levels in the Orion I 2.0+ version software are too low to
> >>> begin
> >>> with, this dictates RG AGC use for me, at least for my lowband DXing
> >>> habits.
> >>>
> >>> 73,
> >>> Stan, W4AG
> >>>
> >>> -----Original Message-----
> >>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> >>> Behalf
> >>> Of ve7tk
> >>> Sent: Tuesday, May 19, 2009 11:51 AM
> >>> To: orion565@yahoogroups.com
> >>> Subject: [orion565] Re: new Orion 1 beta version
> >>>
> >>> I have found 2 problems with the Orion 565 Beta firmware. I have
> >>> reported
> >>> them to ditsnbits@ and received an auto-acknowledgment. The
> >>> problems were:
> >>>
> >>> (MINOR) When the AGC is changed from RF AGC to AF AGC (or vice versa)
> >>> the
> >>> Orion serial port shuts down. A reboot of the Orion eliminates this
> >>> problem. (Since a reboot of the Orion is necessary for the AGC change
> >>> to
> >>> take effect perhaps that should be noted in the onscreen loading of the
> >>> DSP). As mentioned a minor problem.
> >>>
> >>> (Significant) When using the AF AGC the audio almost disappears
> >>> completely
> >>> when the NR is engaged at any level -- even a "1" will cause the
> >>> problem.
> >>> On my Orion the volume at MAX level gives only very weak audio. It's
> >>> in
> >>> there but it is very weak.
> >>>
> >>> 73, Rick
> >>> VE7TK
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> dan stoian
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5282. Re: [orion565] Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-20 19:47:31 UTC
From: dan stoian
Topic: 5231 Message: 5282

About the beta, I have noticed that after switching from AF to RF agc and back, the serial interface doesn't work anymore until a power cycle.

Also more importantly when on AF AGC, on the programmable setting, main receiver, when I set the decay to 1dB/s some strong pops can be heard continuously over the audio. This also happens when I press the multi knob to set the default decay rate (which then changes to 1000 dB/s). Even more strange is that when I select the 1000dB/s rate by turning the knob, not pushing it, the pops do not appear. Please confirm this someone!

Dan, YO2LLQ

On Wed, May 20, 2009 at 5:51 PM, pa1ap <pa1ap@...> wrote:

>
>
> I will create a report and post it on the forum as well.
>
> Below an example of the comparison between 2056 and 2062 and AGC clipping
> resulting in high frequency hiss (check the files section for agc folder)..
> Today 2056 is still my favorite release 2 version but the last beta fixes
> something I really appreciate; the lcd contrast stay stable... no more
> changing between cold and warm... whatever they did in the new firmware they
> addressed the lcd driver routine!
>
>
> http://f1.grp.yahoofs.com/v1/4AwUSg9j83k_tNt1Vx4FRxuPE1nxdSCrDS9WRIXxwNm9CtuaFwQd3DpbUb0
7K9ZnjT_hksJ-T6TRSyR2yULa2EAUz0itesLJNg/pa1ap%20agc%20stuff/565%20agc%20clipping.pdf
>
>
> --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, "Stoian Dan"
> <danvstoian@...> wrote:
> >
> > Please post it on the group also!
> >
> > thanks, Dan, YO2LLQ
> >
> > On Wed, 20 May 2009 17:26:35 +0300, Billy Cox <aa4nu@...> wrote:
> >
> > > Onno, would you please send the captured data to Ditsnbits@...
> > > so they can SEE exactly what is going on with this.
> > >
> > > TU es 73 de Billy, AA4NU
> > >
> > > -----Original Message-----
> > >> From: pa1ap <pa1ap@...>

> > >> Sent: May 20, 2009 3:29 AM
> > >> To: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> > >> Subject: [orion565] Re: new Orion 1 beta version
> > >>
> > >> Using RF AGC indeed the audio sounds louder but there is also
> > >> distortion due to clipping and no matter what setting this remains
> > >> present. When stronger signals appear I also noticed "plopping". Does
> > >> any of you noticed the same? I have capture the clipping and plopping
> > >> on visual audio capture and can post it if needed. I am using AF AGC
> > >> for now and dont use the NR since it indeed makes the radio very
> > >> silent...
> > >>
> > >> I recall that one of the 1.3x code developers once wrote that AGC has
> > >> to be adjusted when NR is switched on to avoid complete audio silence.
>
> > >> Seems to me this might be the case using the previous firmware.
> > >>
> > >> 73, onno pa1ap
> > >>
> > >> --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, "Stan
> Dicks" <w4ag@> wrote:
> > >>>
> > >>> Rick,
> > >>>
> > >>> I just did an A/B test on audio level between AF AGC and RF AGC. The
> > >>> RF AGC
> > >>> audio level is notably louder, whether the NR is employed or not.
> > >>> Given that
> > >>> the audio levels in the Orion I 2.0+ version software are too low to
> > >>> begin
> > >>> with, this dictates RG AGC use for me, at least for my lowband DXing
> > >>> habits.
> > >>>
> > >>> 73,
> > >>> Stan, W4AG
> > >>>
> > >>> -----Original Message-----
> > >>> From: orion565@yahoogroups.com <orion565%40yahoogroups.com> [mailto:
> orion565@yahoogroups.com <orion565%40yahoogroups.com>] On
> > >>> Behalf
> > >>> Of ve7tk
> > >>> Sent: Tuesday, May 19, 2009 11:51 AM
> > >>> To: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> > >>> Subject: [orion565] Re: new Orion 1 beta version
> > >>>
> > >>> I have found 2 problems with the Orion 565 Beta firmware. I have
> > >>> reported
> > >>> them to ditsnbits@ and received an auto-acknowledgment. The
> > >>> problems were:
> > >>>

> > >>> (MINOR) When the AGC is changed from RF AGC to AF AGC (or vice versa)
>
> > >>> the
> > >>> Orion serial port shuts down. A reboot of the Orion eliminates this
> > >>> problem. (Since a reboot of the Orion is necessary for the AGC change
>
> > >>> to
> > >>> take effect perhaps that should be noted in the onscreen loading of
> the
> > >>> DSP). As mentioned a minor problem.
> > >>>
> > >>> (Significant) When using the AF AGC the audio almost disappears
> > >>> completely
> > >>> when the NR is engaged at any level -- even a "1" will cause the
> > >>> problem.
> > >>> On my Orion the volume at MAX level gives only very weak audio. It's
> > >>> in
> > >>> there but it is very weak.
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> > >>> 73, Rick
> > >>> VE7TK
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> > dan stoian
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Dan Stoian

[Non-text portions of this message have been removed]

5283. Re: [orion565] Re: new Orion 1 beta version - AGC Pops

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-21 02:24:45 UTC
From: Billy Cox
Topic: 5283 Message: 5283

Dan, <and TenTec> I can replicate this with same "popping"
on the O II also using the latest XL beta for it ...

<I did NOT notice the serial port issue using N1MM as the
test software, never lost freq control from the O II to the PC>.

73 de Billy, AA4NU

----- Original Message -----
From: "dan stoian" <danvstoian@...>
To: <orion565@yahoogroups.com>
Sent: Wednesday, May 20, 2009 19:47
Subject: Re: [orion565] Re: new Orion 1 beta version

> About the beta, I have noticed that after switching from AF to RF agc and
> back, the serial interface doesn't work anymore until a power cycle.
>
> Also more importantly when on AF AGC, on the programmable setting, main
> receiver, when I set the decay to 1dB/s some strong pops can be heard
> continuously over the audio. This also happens when I press the multi knob
> to set the default decay rate (which then changes to 1000 dB/s). Even more
> strange is that when I select the 1000dB/s rate by turning the knob, not
> pushing it, the pops do not appear. Please confirm this someone!
>
> Dan, YO2LLQ

5284. RE: [orion565] Re: 2.041XT FW Follow-up - addendum

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-21 03:13:15 UTC
From: Stephen Werner
Topic: 5240 Message: 5284

I have also seen the red screen on RF AGC. I can get rid of it moving to the waterfall and back again.

Steve AG4W

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Peter Frenning [OZ1PIF]
Sent: Saturday, May 16, 2009 7:57 AM
Cc: Discussion of Ten-Tec Equipment; orion565@yahoogroups.com
Subject: [orion565] Re: 2.041XT FW Follow-up - addendum

Peter Frenning [OZ1PIF] skrev:
> Peter Frenning [OZ1PIF] skrev:
>> Well, I've just seen the "Red Screen" again (using the AF-AGC) after
>> about 30 mins on 80m
>> Sweep On/Off cycling clears the condition!
> Well, several hours later, it seems to me that the "Red Screen" only
> occurs when using the "AF-AGC", Three hours straight running with
> "RF-AGC" has been entirely uneventful.
>

I have now also seen the "Red Screen" appear when running "RF-AGC", so this one has definitely not been put to rest....

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5285. Re: [orion565] Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-22 01:50:28 UTC
From: Billy Cox
Topic: 5231 Message: 5285

First problem <serial port> could not be replicated here with 2.041XT/O II.

Second problem <NR w/AUDIO AFC> COULD be replicated w/2.041XT/O II.

I am running the same tests, but with the Orion II to compare results
and with the understanding that much of the code <Orion & Orion II>
is the same ... my guess is if the same problems are common to both
platforms and BETAS, then this may help with the improving of both.

73 de Billy, AA4NU

----- Original Message -----
From: "ve7tk" <ve7tk@...>

>I have found 2 problems with the Orion 565 Beta firmware. I have reported
>them to ditsnbits@... and received an auto-acknowledgment. The
>problems were:
>
> (MINOR) When the AGC is changed from RF AGC to AF AGC (or vice versa) the
> Orion serial port shuts down. A reboot of the Orion eliminates this
> problem. (Since a reboot of the Orion is necessary for the AGC change to
> take effect perhaps that should be noted in the onscreen loading of the
> DSP). As mentioned a minor problem.
>
> (Significant) When using the AF AGC the audio almost disappears
> completely when the NR is engaged at any level -- even a "1" will cause
> the problem. On my Orion the volume at MAX level gives only very weak
> audio. It's in there but it is very weak.
>
> 73, Rick
> VE7TK
>
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>>
>> Greetings,
>>
>> Yes i did notice that. For very low (small) values of threshold it seems
>> to take a lot longer then it used to take. At first I doubted the encoder
>> and though it was broken somehow....
>>
>> I also found a couple of other issues which I documented in my logbook.
>>
>> Somehow it seems Ten-Tec would benefit by providing a "found issue"
>> bulletin board where ten-tec users can post the issues as found. Today
>> there seems to be no feedback mechanism so whatever found needs to be

>> "escalated" somehow...
>>
>> Best regards,
>> Onno pa1ap
>>
>> --- In orion565@yahoogroups.com, "i0lbe" <liber.fab@> wrote:
>> >
>> >
>> > I have just loaded the current BETA version, and after many hours of
>> > use I can say all is OK: actually I like the new sweep display... :-)
>> >
>> > I noticed perhaps a slower action of threshold AGC when setting low uV
>> > values, it seems like the quantization has been recalculated...
>> > Am I wrong ?
>> > Any one noticed this behavior ?
>> >
>> > Best 73 all !
>> > Fabio, I0LBE
>> >
>>
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> Yahoo! Groups Links
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5286. Navigator interface?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-22 15:54:13 UTC
From: ve7tk
Topic: 5286 Message: 5286

I am looking at purchasing a Navigator US Interface for my Orion (565).

Here's my current set-up:

Logger32 (logging, FSK and PSK)
SteppIR antenna
N4PY rig control

I'd appreciate any feedback on this interface. In particular can you UPDATE the Orion's firmware using this interface? Any problems or possible pitfalls?

Thanks.

73,
Rick
VE7TK

5287. Re: Navigator interface?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-23 11:18:33 UTC
From: kd6hq
Topic: 5286 Message: 5287

Rick
I know that I answered this in a PM to you but I thought I would include it here ☐ for the group.

As far as updating the Orion software with the serial port on the Navigator - Yes, it does work. In fact I also use that port for Rig Control. So what I have setup is a USB connection to the Navigator and a serial connection to the Orion thru the Navigator. So I did not have to purchase a USB to Serial converter or an additional serial port on the computer. On my system this is all done thru the "virtual" (Navigator setup) comm. port #8. So of course the download software (Orion) program needs to use the same comm. port when transferring files.

Don kd6hq

--- In orion565@yahoogroups.com, "ve7tk" <ve7tk@...> wrote:
>
> I am looking at purchasing a Navigator US Interface for my Orion (565).
>
> Here's my current set-up:
>
> Logger32 (logging, FSK and PSK)
> SteppIR antenna
> N4PY rig control
>
> I'd appreciate any feedback on this interface. In particular can you UPDATE the Orion's firmware using this interface? Any problems or possible pitfalls?
>
> Thanks.
>
> 73,
> Rick
> VE7TK
>

5288. Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-23 11:43:52 UTC
From: Adam Wade
Topic: 5231 Message: 5288

--- In orion565@yahoogroups.com, dan stoian <danvstoian@...> wrote:

> Also more importantly when on AF AGC, on the programmable setting, main
> receiver, when I set the decay to 1dB/s some strong pops can be heard
> continuously over the audio. This also happens when I press the multi knob
> to set the default decay rate (which then changes to 1000 dB/s). Even more
> strange is that when I select the 1000dB/s rate by turning the knob, not
> pushing it, the pops do not appear. Please confirm this someone!

I am getting a loud pop when I turn down the volume rapidly, regardless of what the AGC setting is, when in AF AGC mode, after setting the "default" of 1000 dB/s, and it goes away when you change the default setting away from that 1k dB/s, even if you return it to that setting manually. I think this is basically the behavior you are describing.

Sometimes (in AF AGC mode) the AGC settings for threshold won't change until you leave the menu page and go back to the "main" screen. Thus far I can't figure a particular input that will result in this behavior; it seems fairly random while changing around the threshold and decay on the AGC. I just checked and confirmed that this is also happening in RF AGC mode after a reboot. And it appears to be JUST the meter, and not necessarily the audio (at higher decay rates, the audio seems to change but the meter stays stock still if you have cranked the threshold way up and then "default" it to 1 uv, or turn it down with the multi knob). Hm, in playing with it a bit more, it seems that sometimes the needle freezes when you change the threshold. I'd mistaken that for having the threshold turned up above the noise level, which causes the meter to rise up above the noise level indicated and then the needle stands still; in fact it is freezing, since I found that I could get the needle to freeze even with extremely low settings, and leaving the menu page for the main screen would set the needle moving again to indicate the actual real-time noise level.

I am also having a lot of trouble with the display. When I switched the rig on after the firmware update, the screen was so low in contrast I couldn't see anything on it at all! And it was changing slightly, almost like flickering, at first. After warming up a bit, I muddled my way through the menus by memory and with dim visual cues to reset the contrast level. I still have to make some changes in contrast while the rig is warming up, but I get to a final setting much more quickly than before. However, the difference between "percentages" seems to be much greater than before when cold, and much lesser than before when warm, which means I have a much harder time reading a cold screen until it warms up. At least before it was legible when I powered on and had the warmed-up setting in the radio!

5289. RE: [orion565] Re: Navigator interface?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-23 18:36:31 UTC
From: Tony Lelieveld
Topic: 5286 Message: 5289

Don,

Thank you for posting this to all as well. I have an ORION-II and a new US Navigator which I have not hooked up yet. So your posting is valuable information. I am glad you decided to let us all know. Thanks again.

Tony, VE3DWI

Subject: [orion565] Re: Navigator interface?

Rick
I know that I answered this in a PM to you but I thought I would include it here - for the group.

As far as updating the Orion software with the serial port on the Navigator - Yes, it does work. In fact I also use that port for Rig Control. So what I have setup is a USB connection to the Navigator and a serial connection to the Orion thru the Navigator. So I did not have to purchase a USB to Serial converter or an additional serial port on the computer. On my system this is all done thru the "virtual" (Navigator setup) comm. port #8. So of course the download software (Orion) program needs to use the same comm. port when transferring files.

Don kd6hq

[Non-text portions of this message have been removed]

5290. Re: [orion565] Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-23 20:25:13 UTC
From: dan stoian
Topic: 5231 Message: 5290

>>>I am getting a loud pop when I turn down the volume rapidly, regardless of what the AGC setting is, when in AF AGC mode, after setting the "default" of 1000 dB/s, and it goes away when you change the default setting away from that 1k dB/s, even if you return it to that setting manually. I think this is basically the behavior you are describing.

Well almost, I am talking about a continuous series of pops being heard when I set the decay to 1dB/s or push the multi knob without touching the volume knob.

Also I can confirm the meter thing, I saw it also but did not pay attention to it at first.

But I have no trouble with the display and had some before, e.g. it was changing backlight/intensity at random.

Dan, YO2LLQ

On Sat, May 23, 2009 at 2:43 PM, Adam Wade <espresso_doppio@...>wrote:

>
>
> --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, dan stoian
> <danvstoian@...> wrote:
>
> > Also more importantly when on AF AGC, on the programmable setting, main
> > receiver, when I set the decay to 1dB/s some strong pops can be heard
> > continuously over the audio. This also happens when I press the multi
> knob
> > to set the default decay rate (which then changes to 1000 dB/s). Even
> more
> > strange is that when I select the 1000dB/s rate by turning the knob, not
> > pushing it, the pops do not appear. Please confirm this someone!
>
> I am getting a loud pop when I turn down the volume rapidly, regardless of
> what the AGC setting is, when in AF AGC mode, after setting the "default" of
> 1000 dB/s, and it goes away when you change the default setting away from
> that 1k dB/s, even if you return it to that setting manually. I think this
> is basically the behavior you are describing.
>

>
> Sometimes (in AF AGC mode) the AGC settings for threshold won't change
> until you leave the menu page and go back to the "main" screen. Thus far I
> can't figure a particular input that will result in this behavior; it seems
> fairly random while changing around the threshold and decay on the AGC. I
> just checked and confirmed that this is also happening in RF AGC mode after

> a reboot. And it appears to be JUST the meter, and not necessarily the audio
> (at higher decay rates, the audio seems to change but the meter stays stock
> still if you have cranked the threshold way up and then "default" it to 1
> uv, or turn it down with the multi knob). Hm, in playing with it a bit more,
> it seems that sometimes the needle freezes when you change the threshold.
> I'd mistaken that for having the threshold turned up above the noise level,
> which causes the meter to rise up above the noise level indicated and then
> the needle stands still; in fact it is freezing, since I found that I could
> get the needle to freeze even with extremely low settings, and leaving the
> menu page for the main screen would set the needle moving again to indicate
> the actual real-time noise level.
>
> I am also having a lot of trouble with the display. When I switched the rig
> on after the firmware update, the screen was so low in contrast I couldn't
> see anything on it at all! And it was changing slightly, almost like
> flickering, at first. After warming up a bit, I muddled my way through the
> menus by memory and with dim visual cues to reset the contrast level. I
> still have to make some changes in contrast while the rig is warming up, but
> I get to a final setting much more quickly than before. However, the
> difference between "percentages" seems to be much greater than before when
> cold, and much lesser than before when warm, which means I have a much
> harder time reading a cold screen until it warms up. At least before it was
> legible when I powered on and had the warmed-up setting in the radio!
>
>
>

--
Dan Stoian

[Non-text portions of this message have been removed]

5291. Thinking about an Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-24 02:52:47 UTC
From: David Little
Topic: 5291 Message: 5291

Hi All,

I new to the group and am thinking about trading a Yaesu FT-2000 station toward an Orion II.

I have most everything but the micro tuning units on it: FT-2000 transceiver, DMU-20000 Data Management Unit, SP-2000 External Speaker with filters, MD-200 microphone with optional Heil HC-4 element as well as the stock element, 15" LCD Monitor, keyboard and additional hardware to run Linux on the DMU instead of the Vertex OS.

Am I moving in the right direction?

I am interested in getting the best receiver I can in the under $5000.00 price range.

Currently, in the shack I have Yaesu FT-2000 setup, Kenwood TS-2000, Ten-Tec Jupiter and Yaesu FT-450AT. Each can run voice or digital, only limited by antenna selection.

I operate mainly voice, enjoy ESSB, and also like to have digital sound card modes available on each rig.

Ideas?

David
KD4NUE

5293. RE: [orion565] Thinking about an Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-24 03:14:51 UTC
From: Andrew B. Steen
Topic: 5291 Message: 5293

Hello David. I run the Orion II as the main rig. Also like the FT1000 MP MK V fully loaded with the Inrad filters. It is real close to being as good on receive as the Orion. I run a 706 MK II G for 6 and 2, and often can be found on the Collins S line where the 75S-3B receiver can pull in the signals with the best.

73, Andrew K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of catfishtwo@...
Sent: Saturday, May 23, 2009 8:01 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Thinking about an Orion II

I have an orion, a pegasus, a ft 990, a scout, a ts2000 and ft 847 and a couple of 857 d's and an Icom 746 pro.

I use the orion 99 percent of the time, I even have a TT 6 m transverter for the orion, it is that good, second would be the ft 990 I guess, the orion is great

Tom
N6AJR

In a message dated 5/23/2009 7:54:16 P.M. Pacific Daylight Time, dalite01@bellsouth. <mailto:dalite01%40bellsouth.net> net writes:

Hi All,

I new to the group and am thinking about trading a Yaesu FT-2000 station toward an Orion II.

I have most everything but the micro tuning units on it: FT-2000 transceiver, DMU-20000 Data Management Unit, SP-2000 External Speaker with filters, MD-200 microphone with optional Heil HC-4 element as well as the stock element, 15" LCD Monitor, keyboard and additional hardware to run Linux on the DMU instead of the Vertex OS.

Am I moving in the right direction?

I am interested in getting the best receiver I can in the under $5000.00 price range.

Currently, in the shack I have Yaesu FT-2000 setup, Kenwood TS-2000, Ten-Tec Jupiter and Yaesu FT-450AT. Each can run voice or digital, only limited

by antenna selection.

I operate mainly voice, enjoy ESSB, and also like to have digital sound card modes available on each rig.

Ideas?

David
KD4NUE

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com/promoclk/100126575x1222585033x1201462753/aol?redir=http://www.freecreditreport.com/pm/default.aspx?sc=668072&hmpgID=115&bcd=Maystrongfooter52309NO115)

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[Non-text portions of this message have been removed]

5294. Re: [orion565] Thinking about an Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-24 03:28:16 UTC
From: Duane Calvin
Topic: 5291 Message: 5294

David,
I think you're on the right path, but then I'm an enthusiastic Orion (I) owner. It's hard to beat the Orion receivers regardless of what price you pay.

73, Duane AC5AA

On Sat, May 23, 2009 at 9:52 PM, David Little <dalite01@...>wrote:

> Hi All,
>
> I new to the group and am thinking about trading a Yaesu FT-2000 station
> toward an Orion II.
>
> I have most everything but the micro tuning units on it: FT-2000
> transceiver, DMU-20000 Data Management Unit, SP-2000 External
> Speaker with filters, MD-200 microphone with optional Heil HC-4
> element as well as the stock element, 15" LCD Monitor, keyboard and
> additional hardware to run Linux on the DMU instead of the Vertex OS.
>
> Am I moving in the right direction?
>
> I am interested in getting the best receiver I can in the under $5000.00
> price range.
>
> Currently, in the shack I have Yaesu FT-2000 setup, Kenwood TS-2000,
> Ten-Tec Jupiter and Yaesu FT-450AT. Each can run voice or digital, only
> limited by antenna selection.
>
> I operate mainly voice, enjoy ESSB, and also like to have digital sound
> card modes available on each rig.
>
> Ideas?
>
> David
> KD4NUE
>
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

5295. Re: [orion565] Thinking about an Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-24 10:51:15 UTC
From: David Beghtel
Topic: 5291 Message: 5295

Hi David, You will not be disappointed. In December I decided I wanted to try the FT2000 and found a ham in Ca. that had the radio, speaker, DMU, and tuning unit for 40/80. I traded him even for my Orion II and when the 2000 got here and I hooked it up I was sick. It was so noisey I couldn't stand it and he wouldn't trade back.LOL Then the new software came out and it made the 2000 like a new radio but it was still no Orion. The way the 2000 prices fluctuate I figured I was stuck and would have to sell and add money to get back to the Orion. But I advertised it and was lucky enough to find another O2 owner that wanted to try the 2000. I made the trade and will not let this radio leave the bench. When it gets down and dirty the Orions will hear signals the others don't, plus if there is interference I can find a way to still work the station. I'm sure if you made your post on the 2000 group you would get a whole other bunch of recommendations LOL but
this is my opinion and for me there is no comparison. 73 Dave

---
From: David Little <dalite01@...>
To: orion565@yahoogroups.com
Sent: Saturday, May 23, 2009 10:52:47 PM
Subject: [orion565] Thinking about an Orion II

Hi All,

I new to the group and am thinking about trading a Yaesu FT-2000 station toward an Orion II.

I have most everything but the micro tuning units on it: FT-2000 transceiver, DMU-20000 Data Management Unit, SP-2000 External Speaker with filters, MD-200 microphone with optional Heil HC-4 element as well as the stock element, 15" LCD Monitor, keyboard and additional hardware to run Linux on the DMU instead of the Vertex OS.

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Currently, in the shack I have Yaesu FT-2000 setup, Kenwood TS-2000, Ten-Tec Jupiter and Yaesu FT-450AT. Each can run voice or digital, only limited by antenna selection.

I operate mainly voice, enjoy ESSB, and also like to have digital sound card modes available on each rig.

Ideas?

David
KD4NUE

[Non-text portions of this message have been removed]

5296. Re: [orion565] Thinking about an Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-24 17:11:45 UTC
From: David Yarnes
Topic: 5291 Message: 5296

David and All,

Personally I can't imagine why you would trade an Orion II for the 2000. It would have to be the VHF/UHF capability I guess. Actually, I do know a couple of very competent HFers who have acquired the 2000, and are very happy with it. But it is the VHF/UHF factor that motivated them. One of them has an IC-7700 and several other high end HF radios, so it was to fill a gap. The other loves VHF/UHF contesting and roving, so the 2000 gives him some real versatility in that part of the spectrum.

If you aren't similarly multi-radio equipped, and HF is important to you, the 2000 will probably be a big disappointment from everything I have read about it--at least in comparison to the Orion II, or similar HF standouts. Just looking at Sherwood's website shows the inadequacies of the 2000 in comparison. The 2000 has been around a while, and is starting to get some "hair" on it. It's a situation similar to the IC-706. Even the IC-703 has a better receiver. I think it's a real shame that Kenwood doesn't seem inclined to effectively compete on the higher end of the HF radio market. I think they know how to make a good one, they just don't seem interested in doing it. Kenwood has made some really fine radios in the past, and even the TS-480 is still a star in its category. I suppose though, if you want one radio that can more or less do it all, the 2000 is a good choice. It's probably not very realistic to expect one radio to do "everything" with equal competence. If you operating objectives on HF are "casual", the 2000 will probably do fine. However, you won't get that "warm, fuzzy feeling" with it that you would with an Orion II, or several other upper end (but not necessarily top end) radios.

Dave W7AQK

----- Original Message -----
From: David Beghtel
To: orion565@yahoogroups.com
Sent: Sunday, May 24, 2009 3:51 AM
Subject: Re: [orion565] Thinking about an Orion II

Hi David, You will not be disappointed. In December I decided I wanted to try the FT2000 and found a ham in Ca. that had the radio, speaker, DMU, and tuning unit for 40/80. I traded him even for my Orion II and when the 2000 got here and I hooked it up I was sick. It was so noisey I couldn't stand it and he wouldn't trade back.LOL Then the new software came out and it made the 2000 like a new radio but it was still no Orion. The way the 2000 prices fluctuate I figured I was stuck and would have to sell and add money to get back to the Orion. But I advertised it and was lucky enough to find another O2 owner that wanted to try the 2000. I made the trade and will not let this radio leave the bench. When it gets down and dirty the Orions will hear signals the others don't, plus if there is interference I can find a way to still work the station. I'm sure if you made your post on the 2000 group you would get a whole other bunch of recommendations LOL but
this is my opinion and for me there is no comparison. 73 Dave

---
From: David Little <dalite01@...>
To: orion565@yahoogroups.com
Sent: Saturday, May 23, 2009 10:52:47 PM
Subject: [orion565] Thinking about an Orion II

Hi All,

I new to the group and am thinking about trading a Yaesu FT-2000 station toward an Orion II.

I have most everything but the micro tuning units on it: FT-2000 transceiver, DMU-20000 Data Management Unit, SP-2000 External Speaker with filters, MD-200 microphone with optional Heil HC-4 element as well as the stock element, 15" LCD Monitor, keyboard and additional hardware to run Linux on the DMU instead of the Vertex OS.

Am I moving in the right direction?

I am interested in getting the best receiver I can in the under $5000.00 price range.

Currently, in the shack I have Yaesu FT-2000 setup, Kenwood TS-2000, Ten-Tec Jupiter and Yaesu FT-450AT. Each can run voice or digital, only limited by antenna selection.

I operate mainly voice, enjoy ESSB, and also like to have digital sound card modes available on each rig.

Ideas?

David
KD4NUE

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5297. RE: [orion565] Thinking about an Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-24 17:32:53 UTC
From: David Little
Topic: 5291 Message: 5297

Dave,

I appreciate the reply and the time it took to make it, and all good points.

However, we were comparing it to the FT-2000, not the TS-2000 (although I have both)

Also, the Sherwoood Labs test results may be on the Kenwood R-2000. If so, it is about 30 years old.

Many see this test report and assume the 200 in R-2000 is actually a TS-2000.

You may have found results on the TS-2000 as well, which well noted to not be as good on HF in the receive department as the FT-2000

The TS-2000 would be the rig I would keep if it was mandated that operators could only have 1 rig to operate from, as it is the ideal shack-in-the-box.

Still Considering the Orion II, Elecraft K3 and now Flex-5000A.

I would have to get the options in them to bring them on parity with the FT-2000, so it is a decision I will take some time with.

Thanks Again,

David
KD4NUE

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of David Yarnes
Sent: Sunday, May 24, 2009 1:12 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Thinking about an Orion II

David and All,

Personally I can't imagine why you would trade an Orion II for the 2000. It would have to be the VHF/UHF capability I guess. Actually, I do know a couple of very competent HFers who have acquired the 2000, and are very happy with it. But it is the VHF/UHF factor that motivated them. One of them has an IC-7700 and several other high end HF radios, so it was to fill a gap. The other loves VHF/UHF contesting and roving, so the 2000 gives him some real versatility in that part of the spectrum.

If you aren't similarly multi-radio equipped, and HF is important to you, the 2000 will probably be a big disappointment from everything I have read about it--at least in comparison to the Orion II, or similar HF standouts. Just looking at Sherwood's website shows the inadequacies of the 2000 in comparison. The 2000 has been around a while, and is starting to get some "hair" on it. It's a situation similar to the IC-706. Even the IC-703 has a better receiver. I think it's a real shame that Kenwood doesn't seem inclined to effectively compete on the higher end of the HF radio market. I think they know how to make a good one, they just don't seem interested in doing it. Kenwood has made some really fine radios in the past, and even the TS-480 is still a star in its category. I suppose though, if you want one radio that can more or less do it all, the 2000 is a good choice. It's probably not very realistic to expect one radio to do "everything" with equal competence. If you operating objectives on HF are "casual", the 2000 will probably do fine. However, you won't get that "warm, fuzzy feeling" with it that you would with an Orion II, or several other upper end (but not necessarily top end) radios.

Dave W7AQK

----- Original Message -----
From: David Beghtel
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Sent: Sunday, May 24, 2009 3:51 AM
Subject: Re: [orion565] Thinking about an Orion II

Hi David, You will not be disappointed. In December I decided I wanted to try the FT2000 and found a ham in Ca. that had the radio, speaker, DMU, and tuning unit for 40/80. I traded him even for my Orion II and when the 2000 got here and I hooked it up I was sick. It was so noisey I couldn't stand it and he wouldn't trade back.LOL Then the new software came out and it made the 2000 like a new radio but it was still no Orion. The way the 2000 prices fluctuate I figured I was stuck and would have to sell and add money to get back to the Orion. But I advertised it and was lucky enough to find another O2 owner that wanted to try the 2000. I made the trade and will not let this radio leave the bench. When it gets down and dirty the Orions will hear signals the others don't, plus if there is interference I can find a way to still work the station. I'm sure if you made your post on the 2000 group you would get a whole other bunch of recommendations LOL but
this is my opinion and for me there is no comparison. 73 Dave

_____
From: David Little <dalite01@bellsouth.
<mailto:dalite01%40bellsouth.net> net>
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Sent: Saturday, May 23, 2009 10:52:47 PM
Subject: [orion565] Thinking about an Orion II

Hi All,

I new to the group and am thinking about trading a Yaesu FT-2000 station toward an Orion II.

I have most everything but the micro tuning units on it: FT-2000 transceiver, DMU-20000 Data Management Unit, SP-2000 External Speaker with filters, MD-200 microphone with optional Heil HC-4 element as well as the stock element, 15" LCD Monitor, keyboard and additional hardware to run Linux on the DMU instead of the Vertex OS.

Am I moving in the right direction?

I am interested in getting the best receiver I can in the under $5000.00 price range.

Currently, in the shack I have Yaesu FT-2000 setup, Kenwood TS-2000, Ten-Tec Jupiter and Yaesu FT-450AT. Each can run voice or digital, only limited by antenna selection.

I operate mainly voice, enjoy ESSB, and also like to have digital sound card modes available on each rig.

Ideas?

David
KD4NUE

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5300. Re: Navigator interface?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-24 20:30:39 UTC
From: kd6hq
Topic: 5286 Message: 5300

Thank you Tony VE3DWI
Get your Navigator hooked up ☐ I don't think you will be disappointed.

73's all

Don kd6hq

--- In orion565@yahoogroups.com, "Tony Lelieveld" <ve3dwi@...> wrote:
>
> Don,
>
> Thank you for posting this to all as well. I have an ORION-II and a new US
> Navigator which I have not hooked up yet. So your posting is valuable
> information. I am glad you decided to let us all know. Thanks again.
>
> Tony, VE3DWI
>
>
>
> Subject: [orion565] Re: Navigator interface?
>
>
> Rick
> I know that I answered this in a PM to you but I thought I would include it
> here - for the group.
>
> As far as updating the Orion software with the serial port on the Navigator
> - Yes, it does work. In fact I also use that port for Rig Control. So what I
> have setup is a USB connection to the Navigator and a serial connection to
> the Orion thru the Navigator. So I did not have to purchase a USB to Serial
> converter or an additional serial port on the computer. On my system this is
> all done thru the "virtual" (Navigator setup) comm. port #8. So of course
> the download software (Orion) program needs to use the same comm. port when
> transferring files.
>
> Don kd6hq
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

5301. Ten Tec Orion II 6 meters??

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-25 22:32:11 UTC
From: norbe1975
Topic: 5301 Message: 5301

Hi,
I have an orion II and runing the latest beta firmware and the strangest thing just happend. I was controlling the radio through the HRD program and I clicked on the cluster under some 6 meters contact. Guess what... the radio turned the freq. counter to the 6 meter band. No signal, no way to transmit or change the frequency through the dial but with the HRD I can make it appear on the main screen.
A bug of the latest software?

5302. Re: Ten Tec Orion II 6 meters??

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-26 18:32:16 UTC
From: k1fpv
Topic: 5301 Message: 5302

Hmmmm! Strange indeed. I use the N4PY software with my Orion II. I use it with the Elecraft Transverters for 6 through 432 MHz. No issues in any situation.

Bill
K1FPV

--- In orion565@yahoogroups.com, "norbe1975" <normal@...> wrote:
>
> Hi,
> I have an orion II and runing the latest beta firmware and the strangest thing just happend. I was controlling the radio through the HRD program and I clicked on the cluster under some 6 meters contact. Guess what... the radio turned the freq. counter to the 6 meter band. No signal, no way to transmit or change the frequency through the dial but with the HRD I can make it appear on the main screen.
> A bug of the latest software?
>

5303. OT: 705 desk mic

Yahoo group: orion565 (2009 — 2013)
Date: 2009-05-30 15:04:58 UTC
From: loconut35
Topic: 5303 Message: 5303

I am looing for a kaput 705 microphone. condition not important. If you have an available one, please contact me off-list. Thanks, Lynn, W2MSJ

5305. FS: Orion II, Omni VII, Accessories.

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-09 22:32:41 UTC
From: k4elo
Topic: 5305 Message: 5305

FS: Orion II 566AT with all options.
Omni VII 588AT with all options.
302R Encoder.
307B speaker.

All purchased new from Ten-Tec.
Excellent condition. No scratches.
Email me offline if interested in any item.

73
Wayne
K4ELO@...

5306. RE: [orion565] FS: Orion II, Omni VII, Accessories.

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-10 02:06:37 UTC
From: Richard Beerman
Topic: 5305 Message: 5306

Wayne.... What are you looking at for the Orion II? Always wanted one of these radios. Dick W5AK

To: orion565@yahoogroups.com
From: k4elo@fastmail.fm
Date: Tue, 9 Jun 2009 22:32:41 +0000
Subject: [orion565] FS: Orion II, Omni VII, Accessories.

FS: Orion II 566AT with all options.

Omni VII 588AT with all options.

302R Encoder.

307B speaker.

All purchased new from Ten-Tec.

Excellent condition. No scratches.

Email me offline if interested in any item.

73

Wayne

K4ELO@...

Lauren found her dream laptop. Find the PC that?s right for you.
http://www.microsoft.com/windows/choosepc/?ocid=ftp_val_wl_290

[Non-text portions of this message have been removed]

5307. Orion 1 firmware version 1 or 2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-10 10:54:38 UTC
From: Mick
Topic: 5307 Message: 5307

Hi all,

I have just bought a 2004 Orion I and had to do the logic mod to make it Version 2 capable. I have sucessfully tried the 2 latest versions of firmware version 2, but have reverted to the latest version 1.

I have a few questions regarding the version 2 firmware:

Has anyone else noticed that the S meter will not go below S3 when the antenna is disconnected?, this does not happen in version 1.

Version 2 receive quality appears different to version 1, is this something to do with the difference between the way the receiver works under the 2 versions.

I like the feature of the cursor in the scope, but do not like this at the detriment of the shift/width indications on the display. Perhaps a vertical line from top to bottom of the scope would be better, while mainining the original scope size and layout (including khz markers). Not sure if this is posible with the way the display works.

Any coments on firmware version 1 and 2 differences would be welcome.

Mick
G1EUZ

5308. Re: Orion 1 firmware version 1 or 2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-10 11:11:14 UTC
From: pa1ap
Topic: 5307 Message: 5308

Greetings,

Congrat on your orion I. Its a great rig.

I would recommend to try the following versions and run each version for a while to get used to its behavior and sound.

1) 1.0372 (good dsp NR function, good AGC but without indication, slow control, lower lcd resolution)
2) 2.065 (moderate dsp NR function, good AGC with indication, good control, higher lcd resolution)
3) latest beta (buggy dsp NR function, moderate AGC (AF & RF), quick control, high lcd resolution)

In release 2 they seem to be struggling with the AGC function a lot. AGC artifacts within the audio passband generate undesired noise. Those artifacts are a lot less in 1.0372 firmware.

This is my observation, other hams might have different opinion. Your miles might vary.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, "Mick" <mickhannam@...> wrote:
>
> Hi all,
>
> I have just bought a 2004 Orion I and had to do the logic mod to make it Version 2 capable. I have sucessfully tried the 2 latest versions of firmware version 2, but have reverted to the latest version 1.
>
> I have a few questions regarding the version 2 firmware:
>
> Has anyone else noticed that the S meter will not go below S3 when the antenna is disconnected?, this does not happen in version 1.
>
> Version 2 receive quality appears different to version 1, is this something to do with the difference between the way the receiver works under the 2 versions.
>
> I like the feature of the cursor in the scope, but do not like this at the detriment of the shift/width indications on the display. Perhaps a vertical line from top to bottom of the scope would be better, while mainining the original scope size and layout (including khz markers). Not sure if this is posible with the way the display works.
>
> Any coments on firmware version 1 and 2 differences would be welcome.
>
> Mick
> G1EUZ

>

5309. Re: [orion565] Orion 1 firmware version 1 or 2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-10 14:27:58 UTC
From: bob finger
Topic: 5307 Message: 5309

Mick: If you want the receiver to hear weak signals well and have it wok as well as it can under extremely crowded band conditions use version 1.373b5. If you want the scope/s meter etc to work then version 2 will be your choice. As in much of life there are trade-offs. Optimize it to hear well or to to use some of the bells and whistles. Others will have different opinions. I'm still on 1.373b5 myself and NEVER turn on the bandscope. 73 bob de w9ge

Mick wrote:

>
>
> Hi all,
>
> I have just bought a 2004 Orion I and had to do the logic mod to make
> it Version 2 capable. I have sucessfully tried the 2 latest versions
> of firmware version 2, but have reverted to the latest version 1.
>
>
>
>

--
Bob Finger
8511 Swann Haven Road
Easton MD 21601
cell 703 408-2176
e-mail to: Finger@...

5310. Re: Orion 1 firmware version 1 or 2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-12 06:51:31 UTC
From: Mick
Topic: 5307 Message: 5310

Thanks for the replies, I am sticking with the version 1 for now as the receiver sounds more to my liking, probably the AGC.

Mick

--- In orion565@yahoogroups.com, "Mick" <mickhannam@...> wrote:
>
> Hi all,
>
> I have just bought a 2004 Orion I and had to do the logic mod to make it Version 2 capable. I have sucessfully tried the 2 latest versions of firmware version 2, but have reverted to the latest version 1.
>
> I have a few questions regarding the version 2 firmware:
>
> Has anyone else noticed that the S meter will not go below S3 when the antenna is disconnected?, this does not happen in version 1.
>
> Version 2 receive quality appears different to version 1, is this something to do with the difference between the way the receiver works under the 2 versions.
>
> I like the feature of the cursor in the scope, but do not like this at the detriment of the shift/width indications on the display. Perhaps a vertical line from top to bottom of the scope would be better, while mainining the original scope size and layout (including khz markers). Not sure if this is posible with the way the display works.
>
> Any coments on firmware version 1 and 2 differences would be welcome.
>
> Mick
> G1EUZ
>

5311. Studio One Mic

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-13 09:00:56 UTC
From: Mick
Topic: 5311 Message: 5311

Hi again,

My orion 1 came with a Studio One mic. I am having difficulty getting the mic gain to bring on the ALC light on peaks with this mic, although i have made one ssb contact so it seems to be working.

Is this normal for the studio one?

It's difficult for me to check anything now as i am not in the same location as the radio, but comments from anyone with a studio one mic would be welcome.

I may buy a second mic to check that someone has not adjusted the mic gain on an internal pot.

Mick

5312. FOR SALE 566AT

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-13 13:21:18 UTC
From: george
Topic: 5312 Message: 5312

Before I go to the auction houses I have for sale one Ten Tec Orion2 566AT with 706 mic, 963 PS, 310 Fan, full complement of roofing filters, bag of parts in the original box.
I'm not on the air enough to justify the rig.
Contact me off line if you are interested.
I'm good on QRZ.COM.
Thanks.
George W2YJ

[Non-text portions of this message have been removed]

5313. FS: 566AT, 588AT and interfaces

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-13 14:48:15 UTC
From: k4elo
Topic: 5313 Message: 5313

FS: Orion II ATU/963, Omni VII ATU, US Navigator, RigExpert Plus, TT cables for interfaces. All excellent condition.

Email me off list for details.

73
Wayne
K4ELO

5314. 565AT Settings

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-13 16:29:44 UTC
From: wc0l
Topic: 5314 Message: 5314

Hi everybody. I just took delivery on a new (to me) 565AT, running v2.062A software. You have probably heard this many times before, but I need some help in determining a good set of settings to use or at least start with. I am mainly an SSB operator and like to have enough punch in my audio to be able to work a dx station now and then. It seems as though I do not have as much drive for my SB-200 as I did with my Icom 765. I suspect this is due to not having the transmit audio set up correctly. Any help would be appreciated. Thanks very much and 73,
Mike, WC0L

5316. Re: Studio One Mic

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-13 18:48:13 UTC
From: Mick
Topic: 5311 Message: 5316

Tom,

Many thanks for the response.

Once I am reunited with the radio I will do some more tests on air to see how it is performing. I am using about 70 mic gain and 4/5 SP. Not sure if the inbuilt meter shows peak or average power. I will also try an external power meter to see the real output. I have had contacts on air without complaint so i guess all is well.

Thanks for the info.

Mick

--- In orion565@yahoogroups.com, catfishtwo@... wrote:
>
> I use a heil mic on mine and it too only occasionally flashes the light,
> the question is how do you sound on the air, any reports of week audio?? if
> it sounds good , don't worry about it.
>
> Tom
> N6AJR
>
>
> In a message dated 6/13/2009 2:01:28 A.M. Pacific Daylight Time,
> mickhannam@... writes:
>
>
>
>
>
>
> Hi again,
>
> My orion 1 came with a Studio One mic. I am having difficulty getting the
> mic gain to bring on the ALC light on peaks with this mic, although i have
> made one ssb contact so it seems to be working.
>
> Is this normal for the studio one?
>
> It's difficult for me to check anything now as i am not in the same
> location as the radio, but comments from anyone with a studio one mic would be
> welcome.
>
> I may buy a second mic to check that someone has not adjusted the mic gain
> on an internal pot.
>
> Mick

>
>
>
>
>
>
> **********A Good Credit Score is 700 or Above. See yours in just 2 easy
> steps!
> (http://pr.atwola.com/promoclk/100126575x1222377049x1201454365/aol?redir=http://www.free
creditreport.com/pm/default.aspx?sc=668072&hmpgID=62&bcd=
> JunestepsfooterNO62)
>
>
> [Non-text portions of this message have been removed]
>

5317. 565 low audio level on AUX socket

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-20 08:36:06 UTC
From: Francesco DI MICHELE
Topic: 5317 Message: 5317

Hello,
I got from my ORION 565, a very low audio level at the AUX socket.
Does anyone know where (and if) this level can be increased ?

Thanks
Frank I2DMI

5318. Re: [orion565] 565 low audio level on AUX socket

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-20 09:13:02 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 5317 Message: 5318

Under (Menus > Other) look for Line Out Level. I keep mine at high.

73,
Sam
K3SAM

From: Francesco DI MICHELE <i2dmi@...>
To: orion565@yahoogroups.com
Sent: Saturday, June 20, 2009 4:36:06 AM
Subject: [orion565] 565 low audio level on AUX socket

Hello,
I got from my ORION 565, a very low audio level at the AUX socket.
Does anyone know where (and if) this level can be increased ?

Thanks
Frank I2DMI

[Non-text portions of this message have been removed]

5319. Re: 565 low audio level on AUX socket

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-20 10:03:53 UTC
From: Francesco DI MICHELE
Topic: 5317 Message: 5319

Hi Sam, tnx.
My 565 doesn't have that option. I should check for new firmaware for 565.
The 566 has "Line Out Src" and "Line Out Level", but not the 565.
tnx for help.
73 Frank

--- In orion565@yahoogroups.com, "Sam W. Jacobs, C.E.T." <Sam@...> wrote:
>
> Under (Menus > Other) look for Line Out Level. I keep mine at high.
>
> 73,
> Sam
> K3SAM
>
>
>
>
> _____
> From: Francesco DI MICHELE <i2dmi@...>
> To: orion565@yahoogroups.com
> Sent: Saturday, June 20, 2009 4:36:06 AM
> Subject: [orion565] 565 low audio level on AUX socket
>
>
>
>
>
> Hello,
> I got from my ORION 565, a very low audio level at the AUX socket.
> Does anyone know where (and if) this level can be increased ?
>
> Thanks
> Frank I2DMI
>
>
>
>
> [Non-text portions of this message have been removed]
>

5320. Re: 565 low audio level on AUX socket

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-20 10:09:15 UTC
From: Francesco DI MICHELE
Topic: 5317 Message: 5320

Hi Sam, tnx.
My 565 doesn't have that option. I should check for new firmaware for 565.
The 566 has "Line Out Src" and "Line Out Level", but not the 565.
tnx for help.
73 Frank

--- In orion565@yahoogroups.com, "Sam W. Jacobs, C.E.T." <Sam@...> wrote:
>
> Under (Menus > Other) look for Line Out Level. I keep mine at high.
>
> 73,
> Sam
> K3SAM
>
>
>
>
> _____
> From: Francesco DI MICHELE <i2dmi@...>
> To: orion565@yahoogroups.com
> Sent: Saturday, June 20, 2009 4:36:06 AM
> Subject: [orion565] 565 low audio level on AUX socket
>
>
>
>
>
> Hello,
> I got from my ORION 565, a very low audio level at the AUX socket.
> Does anyone know where (and if) this level can be increased ?
>
> Thanks
> Frank I2DMI
>
>
>
>
> [Non-text portions of this message have been removed]
>

5321. Re: 565 low audio level on AUX socket

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-20 15:49:16 UTC
From: pa1ap
Topic: 5317 Message: 5321

Please keep in mind there is a design error for both Orion 1 and 2. There is +5V DC on the audio output and when you use a 600 ohm 1:1 transformer to isolate the audio you run into core saturation as well significant audio distortion. Peter oz1pif detected this and we got confirmation from tentec bitsndits we should really insert a capacitor to remove the dc component.

Hope this helps, Best regards, onno pa1ap

--- In orion565@yahoogroups.com, "Francesco DI MICHELE" <i2dmi@...> wrote:
>
> Hi Sam, tnx.
> My 565 doesn't have that option. I should check for new firmaware for 565.
> The 566 has "Line Out Src" and "Line Out Level", but not the 565.
> tnx for help.
> 73 Frank
>
>
>
> --- In orion565@yahoogroups.com, "Sam W. Jacobs, C.E.T." <Sam@> wrote:
> >
> > Under (Menus > Other) look for Line Out Level. I keep mine at high.
> >
> > 73,
> > Sam
> > K3SAM
> >
> >
> >
> >
> > _____
> > From: Francesco DI MICHELE <i2dmi@>
> > To: orion565@yahoogroups.com
> > Sent: Saturday, June 20, 2009 4:36:06 AM
> > Subject: [orion565] 565 low audio level on AUX socket
> >
> >
> >
> >
> >
> > Hello,
> > I got from my ORION 565, a very low audio level at the AUX socket.
> > Does anyone know where (and if) this level can be increased ?
> >
> > Thanks
> > Frank I2DMI

> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

5322. Re: Studio One Mic

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-20 16:00:06 UTC
From: pa1ap
Topic: 5311 Message: 5322

I have used studio mic (AEG 3000 etc.) which had extreme flat frequency curve (perfect for voice recording) but on HF trx those mics never worked well for me. On the orion it seems the AGC hears pretty much the whole audio spectrum and does not follow the filter curves as applicable for transmision... I got the feeling my low bassy voice triggered the AGC even outside the desired tx audio band. This caused the AGC to kick in very unexpected with the result the ALC LED did not light up when I expected it to do. You can insert a capacitor in line with the mic to move the center frequency upwards but its remains a work around for the issue of "perfect" studio mic's. I believe you are better of using a mic which has a frequency curve between 100 and 4 Khz, with a peak around 1200 Hz or so.

I am no using the 708 mic from ten-tec and its a really good mic combined with the orion. I did have to adjust the mic potmeter (i have set it to max gain) and i have set the mic adjustment at around 90. This setting combined with TX eq at -5 works great for my voice and setup.

Best regards,
Onno

--- In orion565@yahoogroups.com, "Mick" <mickhannam@...> wrote:
>
> Hi again,
>
> My orion 1 came with a Studio One mic. I am having difficulty getting the mic gain to bring on the ALC light on peaks with this mic, although i have made one ssb contact so it seems to be working.
>
> Is this normal for the studio one?
>
> It's difficult for me to check anything now as i am not in the same location as the radio, but comments from anyone with a studio one mic would be welcome.
>
> I may buy a second mic to check that someone has not adjusted the mic gain on an internal pot.
>
> Mick
>

5323. Re: 565 low audio level on AUX socket

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-20 16:11:47 UTC
From: Francesco DI MICHELE
Topic: 5317 Message: 5323

Tnx Onno,
my interface do have the capacitor at the input of the amplifier stage. Tnx for the info. I was looking for some trimmer in the amplifier board to regulate the output level. Any idea if it exists and where it is located ??

tnx Frank I2DMI

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Please keep in mind there is a design error for both Orion 1 and 2. There is +5V DC on the audio output and when you use a 600 ohm 1:1 transformer to isolate the audio you run into core saturation as well significant audio distortion. Peter oz1pif detected this and we got confirmation from tentec bitsndits we should really insert a capacitor to remove the dc component.
>
> Hope this helps, Best regards, onno pa1ap
>
> --- In orion565@yahoogroups.com, "Francesco DI MICHELE" <i2dmi@> wrote:
> >
> > Hi Sam, tnx.
> > My 565 doesn't have that option. I should check for new firmaware for 565.
> > The 566 has "Line Out Src" and "Line Out Level", but not the 565.
> > tnx for help.
> > 73 Frank
> >
> >
> >
> > --- In orion565@yahoogroups.com, "Sam W. Jacobs, C.E.T." <Sam@> wrote:
> > >
> > > Under (Menus > Other) look for Line Out Level. I keep mine at high.
> > >
> > > 73,
> > > Sam
> > > K3SAM
> > >
> > >
> > >
> > >
> > > _____
> > > From: Francesco DI MICHELE <i2dmi@>
> > > To: orion565@yahoogroups.com
> > > Sent: Saturday, June 20, 2009 4:36:06 AM
> > > Subject: [orion565] 565 low audio level on AUX socket
> > >
> > >

> > >
> > >
> > >
> > > Hello,
> > > I got from my ORION 565, a very low audio level at the AUX socket.
> > > Does anyone know where (and if) this level can be increased ?
> > >
> > > Thanks
> > > Frank I2DMI
> > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
>

5324. Re: [orion565] Re: Studio One Mic

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-20 16:16:46 UTC
From: Fabio Liberatori
Topic: 5311 Message: 5324

Hi all,
I agree with Onno, 708 and 709 mikes work incredibly well
with ORION I & II, OMNI VII and JUPITER, I strongly recommend them !
Current TenTec mikes somewhat outperform several more-priced
microphones by other brands.

73 de I0LBE, Fabio

Il giorno 20/giu/09, alle ore 18:00, pa1ap ha scritto:

>
>
> I have used studio mic (AEG 3000 etc.) which had extreme flat
> frequency curve (perfect for voice recording) but on HF trx those
> mics never worked well for me. On the orion it seems the AGC hears
> pretty much the whole audio spectrum and does not follow the filter
> curves as applicable for transmision... I got the feeling my low
> bassy voice triggered the AGC even outside the desired tx audio
> band. This caused the AGC to kick in very unexpected with the result
> the ALC LED did not light up when I expected it to do. You can
> insert a capacitor in line with the mic to move the center frequency
> upwards but its remains a work around for the issue of "perfect"
> studio mic's. I believe you are better of using a mic which has a
> frequency curve between 100 and 4 Khz, with a peak around 1200 Hz or
> so.
>
> I am no using the 708 mic from ten-tec and its a really good mic
> combined with the orion. I did have to adjust the mic potmeter (i
> have set it to max gain) and i have set the mic adjustment at around
> 90. This setting combined with TX eq at -5 works great for my voice
> and setup.
>
> Best regards,
> Onno

[Non-text portions of this message have been removed]

5325. Re: 565 low audio level on AUX socket

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-20 18:12:44 UTC
From: pa1ap
Topic: 5317 Message: 5325

I dont think there is such potentiometer to regulate the output. According the manual you should see 1Vtt if I recall correctly. Perhaps you can hook up an oscilloscope and verify if the output matches this spec?

Good luck! 73 onno

--- In orion565@yahoogroups.com, "Francesco DI MICHELE" <i2dmi@...> wrote:
>
> Tnx Onno,
> my interface do have the capacitor at the input of the amplifier stage. Tnx for the info.
> I was looking for some trimmer in the amplifier board to regulate the output level. Any idea if it exists and where it is located ??
>
> tnx Frank I2DMI
>
>
>
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Please keep in mind there is a design error for both Orion 1 and 2. There is +5V DC on the audio output and when you use a 600 ohm 1:1 transformer to isolate the audio you run into core saturation as well significant audio distortion. Peter oz1pif detected this and we got confirmation from tentec bitsndits we should really insert a capacitor to remove the dc component.
> >
> > Hope this helps, Best regards, onno pa1ap
> >
> > --- In orion565@yahoogroups.com, "Francesco DI MICHELE" <i2dmi@> wrote:
> > >
> > > Hi Sam, tnx.
> > > My 565 doesn't have that option. I should check for new firmaware for 565.
> > > The 566 has "Line Out Src" and "Line Out Level", but not the 565.
> > > tnx for help.
> > > 73 Frank
> > >
> > >
> > >
> > > --- In orion565@yahoogroups.com, "Sam W. Jacobs, C.E.T." <Sam@> wrote:
> > > >
> > > > Under (Menus > Other) look for Line Out Level. I keep mine at high.
> > > >
> > > > 73,
> > > > Sam
> > > > K3SAM

> > > >
> > > >
> > > >
> > > >
> > > > _____
> > > > From: Francesco DI MICHELE <i2dmi@>
> > > > To: orion565@yahoogroups.com
> > > > Sent: Saturday, June 20, 2009 4:36:06 AM
> > > > Subject: [orion565] 565 low audio level on AUX socket
> > > >
> > > >
> > > >
> > > >
> > > >
> > > > Hello,
> > > > I got from my ORION 565, a very low audio level at the AUX socket.
> > > > Does anyone know where (and if) this level can be increased ?
> > > >
> > > > Thanks
> > > > Frank I2DMI
> > > >
> > > >
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > >
> >
>

5326. 565 low audio level on AUX socket - fixed with module from Radio Design Works

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-21 17:21:20 UTC
From: jeraldvolpe
Topic: 5317 Message: 5326

I punted a long time ago on this AUX low audio issue. I added adjustable low-level audio amplifier modules (external) from Radio Design Works. I have the ability to finely control the output amplitude regardless of which Firmware I use. In addition I use a low distortion Stereo amplifier from Radio Design Works and a pair of Minimus-11 speakers for Main and Sub audio..... In fact I use a series of these specialty audio modules.... interfacing all together with balanced audio connections so that all nine of the transceivers in my shack share all the same audio devices without the of switches nor any hum or RF pick..... However, it all started with the one stereo low-level adjustable amp due to low audio output on the AUX line.

Jerry, KG6TT

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> I dont think there is such potentiometer to regulate the output. According the manual you should see 1Vtt if I recall correctly. Perhaps you can hook up an oscilloscope and verify if the output matches this spec?
>
> Good luck! 73 onno
>
> --- In orion565@yahoogroups.com, "Francesco DI MICHELE" <i2dmi@> wrote:
> >
> > Tnx Onno,
> > my interface do have the capacitor at the input of the amplifier stage. Tnx for the info.
> > I was looking for some trimmer in the amplifier board to regulate the output level. Any idea if it exists and where it is located ??
> >
> > tnx Frank I2DMI
> >
> >
> >
> >
> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > >
> > > Please keep in mind there is a design error for both Orion 1 and 2. There is +5V DC on the audio output and when you use a 600 ohm 1:1 transformer to isolate the audio you run into core saturation as well significant audio distortion. Peter oz1pif detected this and we got confirmation from tentec bitsndits we should really insert a capacitor to remove the dc component.
> > >
> > > Hope this helps, Best regards, onno pa1ap
> > >
> > > --- In orion565@yahoogroups.com, "Francesco DI MICHELE" <i2dmi@> wrote:

> > > >
> > > > Hi Sam, tnx.
> > > > My 565 doesn't have that option. I should check for new firmaware for 565.
> > > > The 566 has "Line Out Src" and "Line Out Level", but not the 565.
> > > > tnx for help.
> > > > 73 Frank
> > > >
> > > >
> > > >
> > > > --- In orion565@yahoogroups.com, "Sam W. Jacobs, C.E.T." <Sam@> wrote:
> > > > >
> > > > > Under (Menus > Other) look for Line Out Level. I keep mine at high.
> > > > >
> > > > > 73,
> > > > > Sam
> > > > > K3SAM
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> > > > >
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> > > > > _____
> > > > > From: Francesco DI MICHELE <i2dmi@>
> > > > > To: orion565@yahoogroups.com
> > > > > Sent: Saturday, June 20, 2009 4:36:06 AM
> > > > > Subject: [orion565] 565 low audio level on AUX socket
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> > > > >
> > > > > Hello,
> > > > > I got from my ORION 565, a very low audio level at the AUX socket.
> > > > > Does anyone know where (and if) this level can be increased ?
> > > > >
> > > > > Thanks
> > > > > Frank I2DMI
> > > > >
> > > > >
> > > > >
> > > > >
> > > > > [Non-text portions of this message have been removed]
> > > > >
> > > >
> > >
> >
>

5327. Re: 565AT Settings

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-22 03:50:58 UTC
From: Adam Wade
Topic: 5314 Message: 5327

--- In orion565@yahoogroups.com, "wc0l" <wc0l@...> wrote:
>
> Hi everybody. I just took delivery on a new (to me) 565AT, running v2.062A software. You have probably heard this many times before, but I need some help in determining a good set of settings to use or at least start with. I am mainly an SSB operator and like to have enough punch in my audio to be able to work a dx station now and then. It seems as though I do not have as much drive for my SB-200 as I did with my Icom 765. I suspect this is due to not having the transmit audio set up correctly. Any help would be appreciated. Thanks very much and 73,

Hi, Mike. Well, audio is a tough one, as everyone's voice is different. This is one reason I tend to recommend getting some kind of parametric EQ to install between mic and radio. That way you can accomodate any combination of voice, mic and radio. My backup rig is a Kenwood TS-520S, and it has much different TX audio than the Orion, so being able to adjust the rest of my gear to make my voice with with various mics and rigs is a handy thing. If you only ever use the Orion and a single mic, you may be able to find a good combination that works well for you, but some of that is going to be down to trial and error.

As a general rule, if you have a mic that works well with your voice, almost any bandwidth and bass rolloff setting should be fine. My experience is that the ALC light generally stays lit almost all the time while I am talking to get solid drive out of the 565. As long as the needle is moving on the S-meter, that's probably going to be fine. I also use a crossed-needle true peak-reading meter, and put my face at speaking distance from the mike and make sibilants (like a "Puh" noise, with a sharp attack) and turn the mic gain down until the peak reading meter starts to drop off slightly, then nudge it back up until it has reached the max output on the meter at 100 power setting into a dummy load. I've used this method to set both the aux audio setting for input from my computer's sound card for digi-modes, and with my mic, and have never gotten a single report of splattering on digital, and nothing but great audio reports on SSB, once I got the EQ sorted out for a good response on my voice.

If you are on the US west coast, you can try tuning down to 3688 at night. From 7 pm to 3 am Pacific, there is a receiver in Pahrump, NV online that streams 3688, with about a 12 second delay. The audio response is pretty accurate, and I have used that successfully to tune my audio settings. Just because it sounds good in the cans using the MON function doesn't mean that once it goes through the radio's audio filters on TX it'll sounds quite like that, not to mention transmission and bouncing off the ionosphere. ;) You can also ask others for feedback on your sound as you change things, but that's down to whether they have good ears for that sort of thing. :)

The rcvr can be heard at http://www.smeter.net/pahrump/audio.php

5328. Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-22 04:30:33 UTC
From: Adam Wade
Topic: 5231 Message: 5328

I continue to have trouble with the display. If I set the display so that it is readable at switch-on, it fades out once it warms up. If I adjust it for correct contrast once it has warmed up, and then switch it off, when I fire it up after letting it reach room temp the screen is almost solid white. Screen contrast setting when cold is between 25 and 30, usually, and screen contrast setting when warm is between 37 and 41. Also, when warmed up and set for good contrast, the screen will FLASH in time with the peaks of my transmission as the supply in the radio fluctuates with power draw. It's not the power supply itself, as the voltage needle doesn't budge, and it's a 40A power supply that has no other draw while I am transmitting. The meter on the supply peaks at 14 A draw on peaks while TXing SSB voice. A high-impedance voltmeter confirms the lack of voltage change during TX seen on the supply's meter.

I also continue to have the problem of the MON setting sometimes jumping up to 100, without the setting being changed on the radio; pressing the MON button to highlight the MON setting, even without turning it off, will cause the MON setting to return to what is on the display. This continues to be through the rear external speaker jack, but I don't think it happening in the headphones. I may end up switching my Timewave DSP-599zx to the headphone jack rather than the rear external speaker jack if this keeps up.

Recently discovered, if the S-meter needle is "frozen" by the signal level being below the threshold setting for the AGC (using RF AGC), it often remains frozen while in the menu area, even if I turn down the threshold setting. It only unfreezes after I leave the menu area. This does not happen every time, but very often, and I have not yet found any correlation between whether it freezes or not and any other settings on the radio. I will, of course, keep looking. And I will probably switch back to the non-beta latest v2 firmware for Field Day, as I need the radio to work for me more predictably.

5329. Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-22 12:34:26 UTC
From: Adam Wade
Topic: 5231 Message: 5329

--- In orion565@yahoogroups.com, "Adam Wade" <espresso_doppio@...> wrote:
>
> I continue to have trouble with the display. If I set the display so that it is readable at switch-on, it fades out once it warms up. If I adjust it for correct contrast once it has warmed up, and then switch it off, when I fire it up after letting it reach room temp the screen is almost solid white. Screen contrast setting when cold is between 25 and 30, usually, and screen contrast setting when warm is between 37 and 41. Also, when warmed up and set for good contrast, the screen will FLASH in time with the peaks of my transmission as the supply in the radio fluctuates with power draw. It's not the power supply itself, as the voltage needle doesn't budge, and it's a 40A power supply that has no other draw while I am transmitting. The meter on the supply peaks at 14 A draw on peaks while TXing SSB voice. A high-impedance voltmeter confirms the lack of voltage change during TX seen on the supply's meter.

Well, I went back to the last non-beta v2 firmware and the problem continues, so I am thining now that it is hardware. Dying caps for the backlight? *sigh*

5330. Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-22 14:06:12 UTC
From: dick221z
Topic: 5231 Message: 5330

I have seen a few comments on other websites about a problem in the A9 supply board which sounds somewhat like your problem; The solution is to replaces the electrolytics caps with higher voltage/temp ratings.

http://lists.contesting.com/archives/html/Orion/2007-04/msg00005.html
http://www.n6ie.com/A9_Fix.html

--- In orion565@yahoogroups.com, "Adam Wade" <espresso_doppio@...> wrote:
>
> --- In orion565@yahoogroups.com, "Adam Wade" <espresso_doppio@> wrote:
> >
> > I continue to have trouble with the display. If I set the display so that it is readable at switch-on, it fades out once it warms up. If I adjust it for correct contrast once it has warmed up, and then switch it off, when I fire it up after letting it reach room temp the screen is almost solid white. Screen contrast setting when cold is between 25 and 30, usually, and screen contrast setting when warm is between 37 and 41. Also, when warmed up and set for good contrast, the screen will FLASH in time with the peaks of my transmission as the supply in the radio fluctuates with power draw. It's not the power supply itself, as the voltage needle doesn't budge, and it's a 40A power supply that has no other draw while I am transmitting. The meter on the supply peaks at 14 A draw on peaks while TXing SSB voice. A high-impedance voltmeter confirms the lack of voltage change during TX seen on the supply's meter.
>
> Well, I went back to the last non-beta v2 firmware and the problem continues, so I am thining now that it is hardware. Dying caps for the backlight? *sigh*
>

5331. Orion 1 For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-22 14:50:18 UTC
From: ttalleur
Topic: 5231 Message: 5331

I have an Orion 1 for sale. Has most if not all the roofing filter options, desktop mic, speaker, and power supply along with handheld mic. I'm selling the unit because I haven't been on the air for more than 2 years. I've used it about 15 times. I sent it back to Ten Tec last fall to have the sweep / chip update installed. It remains in the original box back from Ten Tec unopened (I guess I should open it to see if they sent me a note!).

Contact me off net if interested.

Tom
W9TZ
202-297-5132 (cell)

5332. 565 low audio level on AUX socket - fixed with module from Radio Design LABS

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-22 17:29:47 UTC
From: jeraldvolpe
Topic: 5317 Message: 5332

My mistake.... should have looked before I typed. Not Radio Design Works but Radio Design Labs!
http://www.rdlnet.com/
Sorry to all that went to the wrong place.

73,
Jerry, KG6TT

5333. Re: Orion 1 For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-22 18:59:10 UTC
From: ve7tk
Topic: 5231 Message: 5333

Tom I'd be interested in what the "sweep / chip" update was? Is this the Version 2.xx mod or was something replaced in the Orion?

Perhaps the note will enlighten!

Thanks,

73, Rick
VE7TK

--- In orion565@yahoogroups.com, "ttalleur" <w9tz@...> wrote:
>
> I have an Orion 1 for sale. Has most if not all the roofing filter options, desktop mic, speaker, and power supply along with handheld mic. I'm selling the unit because I haven't been on the air for more than 2 years. I've used it about 15 times. I sent it back to Ten Tec last fall to have the sweep / chip update installed. It remains in the original box back from Ten Tec unopened (I guess I should open it to see if they sent me a note!).
>
> Contact me off net if interested.
>
> Tom
> W9TZ
> 202-297-5132 (cell)
>

5334. Orion 1 display issue

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-22 22:39:43 UTC
From: jddksk
Topic: 5334 Message: 5334

The display on my O1 disappears during transmit or blanks out then returns to normal operation upon switching to receive. I used to see this only when operating 80m now it's on every band. Nothing has changed in the shack everthing is still hooked up the same. These rigs seem so sensitive one day everything is working and the next I loose some sort of function I'm getting rea.....l sick! of doing master resets. Ok sorry I digressed anybody else having display issues?

73 Dave W6MQI

5335. RE: [orion565] Orion 1 display issue

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-23 02:38:24 UTC
From: k8ki/Bob
Topic: 5334 Message: 5335

Don't despair. It's not the rig. RF from the transmitter is getting into your power supply.which is not inside the O1.

If it worked before, something has indeed changed, even though you think it hasn't. The first two places to look are grounding and bypassing (usually of the 12v power cable). If RF is getting into your power supply, it doesn't matter how stout the supply is.

Try cutting back on the output power and you'll see the problem start to go away. This technique doesn't solve the problem but it will give you hints as you sneak up on it.

Bob/k8ki

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of jddksk
Sent: Monday, June 22, 2009 5:40 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion 1 display issue

The display on my O1 disappears during transmit or blanks out then returns to normal operation upon switching to receive. I used to see this only when operating 80m now it's on every band. Nothing has changed in the shack everthing is still hooked up the same. These rigs seem so sensitive one day everything is working and the next I loose some sort of function I'm getting rea.....l sick! of doing master resets. Ok sorry I digressed anybody else having display issues?

73 Dave W6MQI

[Non-text portions of this message have been removed]

5336. Re: new Orion 1 beta version

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-23 11:51:00 UTC
From: pa1ap
Topic: 5231 Message: 5336

Greetings Adam,

Hope all is well besides the technical issues. Get a couple of 10uF electric capacitors rated at 60 Volts or higher. High temperature would be good as well. On the dc-dc board there are a couple of them and replacing them would be good move.

Second, on the logic board there is a potentiometer which a 10uF electric capacitor close to it. This one is part of the contrast driving and connects to the center connector of the potentiometer. Replace this capacitor as well.

If you want me to figure out the exact component numbers let me know and I will dive into the schematics later this week.

Third, on my rig the potentiometer itself had a poor contact. Hence it gave unstable output to the LCD contrast pin. I replaced the potentiometer too.

Since then I have the following result;

1) with the latest BETA 2XG code -> the LCD screen remains very stable, no need to adjust the contrast at all. Cold, warm it does not matter anymore. Perfect... if they could just fix the rx issues i would use this code ;-)

2) with release 2.065 -> the LCD screen has only minor temperature sensitivity. I do have to adjust the contrast a little (from 50 to 55 or so) but its fine

3) with release 1.0372 -> LCD contrast is less stable and more sensitive to temperature. I have it now running White on Black and turned up the contrast to about 60 to start with... 30 -45 minutes later I go down to about 52.

This is on my orion 565.... You milage might vary but it might help to provide a reference on what I have running at the moment. At least you can compare.

If you want to measure first to see what might be broken I suggest the following;

1) solder a wire to the center connector pin of the contrast potentiometer and guide this wire out of the orion...
2) solder a wire to both sides of the contrast potentiometer and guide those wires out as well....
3) Make sure the wires can not shortcut, perhaps solder them to a connector of some kind

Here is what you should be able to see (measure);

1) one side of the potentiometer should have -22 Volt and this should remain stable the whole time. It should also be "clean" from any serious spikes.
2) the other side of the potentiometer should have +5 Volt DC PWM signal. You have to connect a scope to measure this
3) the center pin of the potentiometer is going to the lcd

In case the dc-dc convertor is behaving bad the -22 volt would be unstable over time or contains lots of spikes.

In case the PWM signal is distorted somehow, you know that the capacitors providing this signal might be bad... Unlikely but worth checking this way

In case the potentiometer has issues (like mine was broken) you would see that easily... I found this by measuring and putting some pressure on the logic board (at the corner near potentiometer) and I saw the signal going up and down quickly...

On measuring the signals and connecting those wires... Be careful not to shortcut or create an earth loop with the scope.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, "Adam Wade" <espresso_doppio@...> wrote:
>
> --- In orion565@yahoogroups.com, "Adam Wade" <espresso_doppio@> wrote:
> >
> > I continue to have trouble with the display. If I set the display so that it is readable at switch-on, it fades out once it warms up. If I adjust it for correct contrast once it has warmed up, and then switch it off, when I fire it up after letting it reach room temp the screen is almost solid white. Screen contrast setting when cold is between 25 and 30, usually, and screen contrast setting when warm is between 37 and 41. Also, when warmed up and set for good contrast, the screen will FLASH in time with the peaks of my transmission as the supply in the radio fluctuates with power draw. It's not the power supply itself, as the voltage needle doesn't budge, and it's a 40A power supply that has no other draw while I am transmitting. The meter on the supply peaks at 14 A draw on peaks while TXing SSB voice. A high-impedance voltmeter confirms the lack of voltage change during TX seen on the supply's meter.
>
> Well, I went back to the last non-beta v2 firmware and the problem continues, so I am thining now that it is hardware. Dying caps for the backlight? *sigh*
>

5337. Re: Orion 1 display issue

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-23 16:32:19 UTC
From: jddksk
Topic: 5334 Message: 5337

Hi Bob

The radio is run off 12v batteries and now that I think about it I put an amp meter in line to measure current drain that's probaly were it's getting in. I might have to put some by-pass caps and maybe some clip on chokes on the 12v line. I didn't think about the meter becuase it was right in front of me hihi never fails.

73 Dave W6MQI

--- In orion565@yahoogroups.com, "k8ki/Bob" <k8ki@...> wrote:
>
> Don't despair. It's not the rig. RF from the transmitter is getting into
> your power supply.which is not inside the O1.
>
>
>
> If it worked before, something has indeed changed, even though you think it
> hasn't. The first two places to look are grounding and bypassing (usually
> of the 12v power cable). If RF is getting into your power supply, it
> doesn't matter how stout the supply is.
>
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>
> Try cutting back on the output power and you'll see the problem start to go
> away. This technique doesn't solve the problem but it will give you hints
> as you sneak up on it.
>
>
>
> Bob/k8ki
>
>
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of jddksk
> Sent: Monday, June 22, 2009 5:40 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Orion 1 display issue
>
>
>
>
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>
>
> The display on my O1 disappears during transmit or blanks out then returns
> to normal operation upon switching to receive. I used to see this only when
> operating 80m now it's on every band. Nothing has changed in the shack
> everthing is still hooked up the same. These rigs seem so sensitive one day
> everything is working and the next I loose some sort of function I'm getting
> rea.....l sick! of doing master resets. Ok sorry I digressed anybody else
> having display issues?
>
> 73 Dave W6MQI
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

5338. RE: [orion565] Re: Orion 1 display issue

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-23 16:38:13 UTC
From: John T. Fleming
Topic: 5334 Message: 5338

Dave,

The Orion needs 13.6 to operate properly. A 12 volt battery that is not being charged normally is not high enough to operate properly.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of jddksk
Sent: Tuesday, June 23, 2009 12:32 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion 1 display issue

Hi Bob

The radio is run off 12v batteries and now that I think about it I put an amp meter in line to measure current drain that's probaly were it's getting in. I might have to put some by-pass caps and maybe some clip on chokes on the 12v line. I didn't think about the meter becuase it was right in front of me hihi never fails.

73 Dave W6MQI

--- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, "k8ki/Bob" <k8ki@...> wrote:
>
> Don't despair. It's not the rig. RF from the transmitter is getting into
> your power supply.which is not inside the O1.
>
>
>
> If it worked before, something has indeed changed, even though you think
it
> hasn't. The first two places to look are grounding and bypassing (usually
> of the 12v power cable). If RF is getting into your power supply, it
> doesn't matter how stout the supply is.
>
>
>
> Try cutting back on the output power and you'll see the problem start to
go
> away. This technique doesn't solve the problem but it will give you hints
> as you sneak up on it.

>
>
>
> Bob/k8ki
>
>
>
> _____
>
> From: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
[mailto:orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com] On
Behalf
> Of jddksk
> Sent: Monday, June 22, 2009 5:40 PM
> To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> Subject: [orion565] Orion 1 display issue
>
>
>
>
>
>
>
>
>
> The display on my O1 disappears during transmit or blanks out then returns
> to normal operation upon switching to receive. I used to see this only
when
> operating 80m now it's on every band. Nothing has changed in the shack
> everthing is still hooked up the same. These rigs seem so sensitive one
day
> everything is working and the next I loose some sort of function I'm
getting
> rea.....l sick! of doing master resets. Ok sorry I digressed anybody else
> having display issues?
>
> 73 Dave W6MQI

[Non-text portions of this message have been removed]

5339. Re: 565 low audio level on AUX socket - fixed with module from Radio Design LABS

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-25 21:46:55 UTC
From: Francesco DI MICHELE
Topic: 5317 Message: 5339

Tnx to all for the info.
I'll check with an oscilloscope what level is present.
73 Frank i2dmi

--- In orion565@yahoogroups.com, "jeraldvolpe" <inbound@...> wrote:
>
> My mistake.... should have looked before I typed. Not Radio Design Works but Radio Design Labs!
> http://www.rdlnet.com/
> Sorry to all that went to the wrong place.
>
> 73,
> Jerry, KG6TT
>

5340. FS: Inrad #762 600Hz for Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-26 17:22:40 UTC
From: Petr Ourednik
Topic: 5340 Message: 5340

Hello,
I have for sale the Inrad #762 (600 Hz 9001.5 kHz CW 4-pole) crystal
filter. As most of You know this filter is designed to go into the 1 kHz slot in the Orion and it will improve the close in dynamic range by up to 13 dB.
Like new is offered for $65 (+ shipping).
73 - Petr, OK1RP

5341. Compare Omni VII to Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-30 02:26:03 UTC
From: Mike
Topic: 5341 Message: 5341

I have been a Ten-Tec fan for years. My current rig is a Jupiter green screen model 538. I am looking at both the Omni VII as well as the original Orion. I'd like some feedback/comparison on both rigs so I can make an informed decision.

Tnx es 73

Mike
W5FIV

5343. Re: [orion565] Compare Omni VII to Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-30 09:29:07 UTC
From: Fabio Liberatori
Topic: 5341 Message: 5343

Hello Mike,
I own both the rigs, and you will not be
disappointed in any case.

The audio quality is the same in RX and TX (both excellent), and all
considering the software system is comparable.
The ORION II has a bit more on RX performance, but you will notice it
not so often, believe me, and now with the last BETA software a nice
"real time" sweep display.
The OMNI, on his side, has remote-controlled capability via ethernet,
if you need this option.

Great rigs indeed, no surprises.

Good luck and enjoy !
73, Fabio I0LBE

Il giorno 30/giu/09, alle ore 04:26, Mike ha scritto:

>
>
> I have been a Ten-Tec fan for years. My current rig is a Jupiter
> green screen
> model 538. I am looking at both the Omni VII as well as the original
> Orion.
> I'd like some feedback/comparison on both rigs so I can make an
> informed
> decision.
>
> Tnx es 73
>
> Mike
> W5FIV
>
>

[Non-text portions of this message have been removed]

5344. Re: [orion565] Compare Omni VII to Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-30 09:45:43 UTC
From: Fabio Liberatori
Topic: 5341 Message: 5344

I forgot to tell you, with the last BETA version the new sweep works
the same on the original ORION, of course !

73, Fabio I0LBE

Il giorno 30/giu/09, alle ore 04:26, Mike ha scritto:

>
>
> I have been a Ten-Tec fan for years. My current rig is a Jupiter
> green screen
> model 538. I am looking at both the Omni VII as well as the original
> Orion.
> I'd like some feedback/comparison on both rigs so I can make an
> informed
> decision.
>
> Tnx es 73
>
> Mike
> W5FIV
>
>

[Non-text portions of this message have been removed]

5345. ORION and MIC Gain HELP HELP

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-30 18:48:37 UTC
From: n8lpq
Topic: 5345 Message: 5345

Hello All,

I am using an Orion. The latest firmware from Ten-Tec. I have both a 705 and a 706. Now when I use the 705, Mic set at 25 and the H/W Mic Gain at 0.0 DB. Some people tell me great audio, But a lot are telling me I have a echo or a hollow sound or empty room sound. Far from empty room hihi. Now I have not tried the 706 yet. I will try that one tonight. WHAT SETTING SHOULD I PUT THE H/W MIN GAIN IN THE SSB MENU. I am going to try the 706 tonight, Or should I use the 705??? H/W MIC GAIN first.
Thanks
Ed N8LPQ

5346. Re: 565AT Settings

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-30 19:53:25 UTC
From: wc0l
Topic: 5314 Message: 5346

Adam, thanks very much for your reply. I am having a great time with the Orion. I am noticing however, that it does not drive my SB200 as hard as my old IC-765 did. I could get 600 watts out on peaks with the 765, and more like 450 with the Orion. Without the linear, the Orion puts out a bit more than 100 watts on CW and the red light blinks and the meter swings on voice peaks, so I guess I have OK output on SSB. When I use the speech processor, people tell me there is more "presence" in the audio, but the light doesn't blink as often, and the output meter shows a bit less output from the SB200 that it did without the speech processor on. Any thoughts on any of this? Thanks very much and 73,
Mike, WC0L
--- In orion565@yahoogroups.com, "Adam Wade" <espresso_doppio@...> wrote:
>
> --- In orion565@yahoogroups.com, "wc0l" <wc0l@> wrote:
> >
> > Hi everybody. I just took delivery on a new (to me) 565AT, running v2.062A software. You have probably heard this many times before, but I need some help in determining a good set of settings to use or at least start with. I am mainly an SSB operator and like to have enough punch in my audio to be able to work a dx station now and then. It seems as though I do not have as much drive for my SB-200 as I did with my Icom 765. I suspect this is due to not having the transmit audio set up correctly. Any help would be appreciated. Thanks very much and 73,
>
> Hi, Mike. Well, audio is a tough one, as everyone's voice is different. This is one reason I tend to recommend getting some kind of parametric EQ to install between mic and radio. That way you can accomodate any combination of voice, mic and radio. My backup rig is a Kenwood TS-520S, and it has much different TX audio than the Orion, so being able to adjust the rest of my gear to make my voice with with various mics and rigs is a handy thing. If you only ever use the Orion and a single mic, you may be able to find a good combination that works well for you, but some of that is going to be down to trial and error.
>
> As a general rule, if you have a mic that works well with your voice, almost any bandwidth and bass rolloff setting should be fine. My experience is that the ALC light generally stays lit almost all the time while I am talking to get solid drive out of the 565. As long as the needle is moving on the S-meter, that's probably going to be fine. I also use a crossed-needle true peak-reading meter, and put my face at speaking distance from the mike and make sibilants (like a "Puh" noise, with a sharp attack) and turn the mic gain down until the peak reading meter starts to drop off slightly, then nudge it back up until it has reached the max output on the meter at 100 power setting into a dummy load. I've used this method to set both the aux audio setting for input from my computer's sound card for digi-modes, and with my mic, and have never gotten a single report of splattering on digital, and nothing but great audio reports on SSB, once I got the EQ sorted out for a good response on my voice.
>
> If you are on the US west coast, you can try tuning down to 3688 at night. From 7 pm to 3 am Pacific, there is a receiver in Pahrump, NV online that streams 3688, with about a 12

second delay. The audio response is pretty accurate, and I have used that successfully to tune my audio settings. Just because it sounds good in the cans using the MON function doesn't mean that once it goes through the radio's audio filters on TX it'll sounds quite like that, not to mention transmission and bouncing off the ionosphere. ;) You can also ask others for feedback on your sound as you change things, but that's down to whether they have good ears for that sort of thing. :)
>
> The rcvr can be heard at http://www.smeter.net/pahrump/audio.php
>

5347. Re: [orion565] Re: 565AT Settings

Yahoo group: orion565 (2009 — 2013)
Date: 2009-06-30 20:11:07 UTC
From: Fabio Liberatori
Topic: 5314 Message: 5347

Il giorno 30/giu/09, alle ore 21:53, wc0l ha scritto:

>
>
> Adam, thanks very much for your reply. I am having a great time with
> the Orion. I am noticing however, that it does not drive my SB200 as
> hard as my old IC-765 did. I could get 600 watts out on peaks with
> the 765, and more like 450 with the Orion. Without the linear, the
> Orion puts out a bit more than 100 watts on CW and the red light
> blinks and the meter swings on voice peaks, so I guess I have OK
> output on SSB. When I use the speech processor, people tell me there
> is more "presence" in the audio, but the light doesn't blink as
> often, and the output meter shows a bit less output from the SB200
> that it did without the speech processor on. Any thoughts on any of
> this? Thanks very much and 73,
> Mike, WC0L
>

Mike,
my ORION I shows the same behavior.
I noticed a big difference in the SP effects between original ORION
and version II (I own both).

With ORION I : the best to do is NOT to use SP: audio quality is far
better with SP off.
Using SP, the audio is worse and power out is decreasing: strange but
true with me.
Anyway, power out is OK if you set your MIC gain on very high levels
(7-8), don't worry about red light blinking.

With ORION II : the radio sounds great even with SP, and output power
is higher WITH SP, a 6-7 setting of SP pot is OK even if MIC gain is
set to high values, say 7-8: no distortion at all in any case.

So, in my opinion, something has been changed (and improved) in the SP
hardware/software inside the ORION II.

Just my very poor 5 cents.

73 all !
FABIO, I0LBE

PS I am running the latest BETA software with both the rigs.

[Non-text portions of this message have been removed]

5348. Re: ORION and MIC Gain HELP HELP

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-01 19:40:04 UTC
From: k1fpv
Topic: 5345 Message: 5348

Hi Ed,

Well, I'm using a 705 mic on my Orion II and consistently get good audio reports. I don't understand your echo situation though. I have my mic gain(MIC) set at 25, the (SP) set at 3, and the TX EQ set to 12 dB. I did change the mic element on mine. I'm using a Sony commercial broadcast electret element used in the lapel mics for broadcast news anchors. Before I changed the element, I still got good reports. This element has a much flatter response than the original did.

Do you have it wired so that the audio return ground for the mic element is separate from the chasis ground and PTT ground?

Bill
K1FPV

--- In orion565@yahoogroups.com, "n8lpq" <n8lpq@...> wrote:
>
> Hello All,
>
> I am using an Orion. The latest firmware from Ten-Tec. I have both a 705 and a 706. Now when I use the 705, Mic set at 25 and the H/W Mic Gain at 0.0 DB. Some people tell me great audio, But a lot are telling me I have a echo or a hollow sound or empty room sound. Far from empty room hihi. Now I have not tried the 706 yet. I will try that one tonight. WHAT SETTING SHOULD I PUT THE H/W MIN GAIN IN THE SSB MENU. I am going to try the 706 tonight, Or should I use the 705??? H/W MIC GAIN first.
> Thanks
> Ed N8LPQ
>

5349. Re: ORION and MIC Gain HELP HELP

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-02 06:38:07 UTC
From: pa1ap
Topic: 5345 Message: 5349

Greetings,

It might just be the position and room causing your voice to echo throughout the room. If your voice (only) reflects at the facing wall you will get small echo but when the wall behind you reflects the sound again you will clearly hear echo independently of the mic used. Echo is a result of reflection and sound reflects well on empty walls. I dont know your radio-room setup so can't judge on how your walls, floor & ceiling looks like. Fixing the issue could be as simple as moving your position / location in the room.

http://www.smproaudio.com/produkte/mikrofon-serie/mic-thing-flexibler-mikrofon-isolator.html

Check the link above. This is what I have used for portable studio setup. You can easiyl make this yourself. What this provides is a non reflecting facing wall and hence echo is significantly reduced. You can make this from cheap sound dampening materials to see if this helps.

Other setup could be to put non sound resonating art work on the walls, such as the boring but effective van gogh or the less effective picasso paintings.. The expenses might be a bit higher though :-)

When you enable SP on the ORION it is expected the echo to increase in volume. SP does not know the difference between direct and indirect sound and hence it will attempt to boost both of them.

Hope this helps,
Best regards, Onno

--- In orion565@yahoogroups.com, "k1fpv" <k1fpv@...> wrote:
>
> Hi Ed,
>
> Well, I'm using a 705 mic on my Orion II and consistently get good audio reports. I don't understand your echo situation though. I have my mic gain(MIC) set at 25, the (SP) set at 3, and the TX EQ set to 12 dB. I did change the mic element on mine. I'm using a Sony commercial broadcast electret element used in the lapel mics for broadcast news anchors. Before I changed the element, I still got good reports. This element has a much flatter response than the original did.
>
> Do you have it wired so that the audio return ground for the mic element is separate from the chasis ground and PTT ground?
>
> Bill
> K1FPV
>
> --- In orion565@yahoogroups.com, "n8lpq" <n8lpq@> wrote:
> >

> > Hello All,
> >
> > I am using an Orion. The latest firmware from Ten-Tec. I have both a 705 and a 706. Now when I use the 705, Mic set at 25 and the H/W Mic Gain at 0.0 DB. Some people tell me great audio, But a lot are telling me I have a echo or a hollow sound or empty room sound. Far from empty room hihi. Now I have not tried the 706 yet. I will try that one tonight. WHAT SETTING SHOULD I PUT THE H/W MIN GAIN IN THE SSB MENU. I am going to try the 706 tonight, Or should I use the 705??? H/W MIC GAIN first.
> > Thanks
> > Ed N8LPQ
> >
>

5350. Re: ORION and MIC Gain HELP HELP

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-02 16:24:57 UTC
From: wc0l
Topic: 5345 Message: 5350

Bill, would you mind explaining how you wired your 705 to separate the audio return from the chassis ground?

Thanks very much and 73,
Mike, WC0L

--- In orion565@yahoogroups.com, "k1fpv" <k1fpv@...> wrote:
>
> Hi Ed,
>
> Well, I'm using a 705 mic on my Orion II and consistently get good audio reports. I don't understand your echo situation though. I have my mic gain(MIC) set at 25, the (SP) set at 3, and the TX EQ set to 12 dB. I did change the mic element on mine. I'm using a Sony commercial broadcast electret element used in the lapel mics for broadcast news anchors. Before I changed the element, I still got good reports. This element has a much flatter response than the original did.
>
> Do you have it wired so that the audio return ground for the mic element is separate from the chasis ground and PTT ground?
>
> Bill
> K1FPV
>
> --- In orion565@yahoogroups.com, "n8lpq" <n8lpq@> wrote:
> >
> > Hello All,
> >
> > I am using an Orion. The latest firmware from Ten-Tec. I have both a 705 and a 706. Now when I use the 705, Mic set at 25 and the H/W Mic Gain at 0.0 DB. Some people tell me great audio, But a lot are telling me I have a echo or a hollow sound or empty room sound. Far from empty room hihi. Now I have not tried the 706 yet. I will try that one tonight. WHAT SETTING SHOULD I PUT THE H/W MIN GAIN IN THE SSB MENU. I am going to try the 706 tonight, Or should I use the 705??? H/W MIC GAIN first.
> > Thanks
> > Ed N8LPQ
> >
>

5351. Re: 565AT Settings

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-03 19:15:40 UTC
From: wc0l
Topic: 5314 Message: 5351

Fabio, thanks very much for your reply. It sounds like you have the ideal situation with a OI and OII. Maybe someday I will be as fortunate. Would you mind telling me what transmit audio settings seem to work the best for you with your OI, and what mic you use? Thanks very much and 73,
Mike, WC0L

> Mike,
> my ORION I shows the same behavior.
> I noticed a big difference in the SP effects between original ORION
> and version II (I own both).
>
> With ORION I : the best to do is NOT to use SP: audio quality is far
> better with SP off.
> Using SP, the audio is worse and power out is decreasing: strange but
> true with me.
> Anyway, power out is OK if you set your MIC gain on very high levels
> (7-8), don't worry about red light blinking.
>
> With ORION II : the radio sounds great even with SP, and output power
> is higher WITH SP, a 6-7 setting of SP pot is OK even if MIC gain is
> set to high values, say 7-8: no distortion at all in any case.
>
> So, in my opinion, something has been changed (and improved) in the SP
> hardware/software inside the ORION II.
>
> Just my very poor 5 cents.
>
> 73 all !
> FABIO, I0LBE
>
> PS I am running the latest BETA software with both the rigs.
>
> [Non-text portions of this message have been removed]
>

5352. Re: ORION and MIC Gain HELP HELP

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-03 19:28:59 UTC
From: k1fpv
Topic: 5345 Message: 5352

Hi Mike,

Sure! As you know, the 705 mic originally used a 4 pin connector and used the PTT return, the mic ground return and the gooseneck and ground plate all on the same ground lead terminating on pin 2.

With my Orion II, I have the negative mic return going to the shield of the cable which in turn ends up on pin 7 of the Orion connector. The hot mic lead goes to pin 8 on the Orion connector. The PTT line goes to pin 6 of the Orion connector. The ground return for the PTT as well as the ground on the gooseneck and baseplate all go to the unused green wire in the coil cord and are attached to pin 5 on the Orion connector. The red lead in the cable goes to pin 2 of the Orion connector to supply B+ for the amp in the mic and bias for the mic element. Now, I hooked a .01µf disc cap and a 4.7µf electrolytic between the mic return and the PTT ground lead in the mic case where they connect to the PC board.

This gives me plenty of audio with no hum or RF pickup of any kind. One other improvement I made was to use silicone RTV to hold a 3 oz. fishing sinker in place where the battery would be located if I used one to give the case more weight and stability on the operating table.

Hope this helps. Good luck!

Bill
K1FPV

--- In orion565@yahoogroups.com, "wc0l" <wc0l@...> wrote:
>
> Bill, would you mind explaining how you wired your 705 to separate the audio return from the chassis ground?
>
> Thanks very much and 73,
> Mike, WC0L
>
> --- In orion565@yahoogroups.com, "k1fpv" <k1fpv@> wrote:
> >
> > Hi Ed,
> >
> > Well, I'm using a 705 mic on my Orion II and consistently get good audio reports. I don't understand your echo situation though. I have my mic gain(MIC) set at 25, the (SP) set at 3, and the TX EQ set to 12 dB. I did change the mic element on mine. I'm using a Sony commercial broadcast electret element used in the lapel mics for broadcast news anchors. Before I changed the element, I still got good reports. This element has a much flatter response than the original did.
> >
> > Do you have it wired so that the audio return ground for the mic element is separate from the chasis ground and PTT ground?

> >
> > Bill
> > K1FPV
> >
> > --- In orion565@yahoogroups.com, "n8lpq" <n8lpq@> wrote:
> > >
> > > Hello All,
> > >
> > > I am using an Orion. The latest firmware from Ten-Tec. I have both a 705 and a 706. Now when I use the 705, Mic set at 25 and the H/W Mic Gain at 0.0 DB. Some people tell me great audio, But a lot are telling me I have a echo or a hollow sound or empty room sound. Far from empty room hihi. Now I have not tried the 706 yet. I will try that one tonight. WHAT SETTING SHOULD I PUT THE H/W MIN GAIN IN THE SSB MENU. I am going to try the 706 tonight, Or should I use the 705??? H/W MIC GAIN first.
> > > Thanks
> > > Ed N8LPQ
> > >
> >
>

5353. Re: ORION and MIC Gain HELP HELP

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-04 01:08:50 UTC
From: wc0l
Topic: 5345 Message: 5353

--- In orion565@yahoogroups.com, "k1fpv" <k1fpv@...> wrote:
>
> Hi Mike,
> Bill, thanks very much for your help. My rig is an Orion I. How would you recommend changing your wiring scheme for that rig with a 4 pin connector? The manual indicates that the cable shield should go to the mic connector shell which should be separate from the audio return? I guess I'm just trying to figure out how to separate the audio return from the other grounds inside the 705. Thanks again,
Mike
> Sure! As you know, the 705 mic originally used a 4 pin connector and used the PTT return, the mic ground return and the gooseneck and ground plate all on the same ground lead terminating on pin 2.
>
> With my Orion II, I have the negative mic return going to the shield of the cable which in turn ends up on pin 7 of the Orion connector. The hot mic lead goes to pin 8 on the Orion connector. The PTT line goes to pin 6 of the Orion connector. The ground return for the PTT as well as the ground on the gooseneck and baseplate all go to the unused green wire in the coil cord and are attached to pin 5 on the Orion connector. The red lead in the cable goes to pin 2 of the Orion connector to supply B+ for the amp in the mic and bias for the mic element. Now, I hooked a .01µf disc cap and a 4.7µf electrolytic between the mic return and the PTT ground lead in the mic case where they connect to the PC board.
>
> This gives me plenty of audio with no hum or RF pickup of any kind. One other improvement I made was to use silicone RTV to hold a 3 oz. fishing sinker in place where the battery would be located if I used one to give the case more weight and stability on the operating table.
>
> Hope this helps. Good luck!
>
> Bill
> K1FPV
>
>
> --- In orion565@yahoogroups.com, "wc0l" <wc0l@> wrote:
> >
> > Bill, would you mind explaining how you wired your 705 to separate the audio return from the chassis ground?
> >
> > Thanks very much and 73,
> > Mike, WC0L
> >
> > --- In orion565@yahoogroups.com, "k1fpv" <k1fpv@> wrote:
> > >
> > > Hi Ed,
> > >

> > > Well, I'm using a 705 mic on my Orion II and consistently get good audio reports. I don't understand your echo situation though. I have my mic gain(MIC) set at 25, the (SP) set at 3, and the TX EQ set to 12 dB. I did change the mic element on mine. I'm using a Sony commercial broadcast electret element used in the lapel mics for broadcast news anchors. Before I changed the element, I still got good reports. This element has a much flatter response than the original did.
> > >
> > > Do you have it wired so that the audio return ground for the mic element is separate from the chasis ground and PTT ground?
> > >
> > > Bill
> > > K1FPV
> > >
> > > --- In orion565@yahoogroups.com, "n8lpq" <n8lpq@> wrote:
> > > >
> > > > Hello All,
> > > >
> > > > I am using an Orion. The latest firmware from Ten-Tec. I have both a 705 and a 706. Now when I use the 705, Mic set at 25 and the H/W Mic Gain at 0.0 DB. Some people tell me great audio, But a lot are telling me I have a echo or a hollow sound or empty room sound. Far from empty room hihi. Now I have not tried the 706 yet. I will try that one tonight. WHAT SETTING SHOULD I PUT THE H/W MIN GAIN IN THE SSB MENU. I am going to try the 706 tonight, Or should I use the 705??? H/W MIC GAIN first.
> > > > Thanks
> > > > Ed N8LPQ
> > > >
> > >
> > >
> >
>

5354. Re: [orion565] Re: 565AT Settings

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-04 09:18:47 UTC
From: Fabio Liberatori
Topic: 5314 Message: 5354

On July 03/09, at 21:15, wc0l wrote:
> Fabio, thanks very much for your reply. It sounds like you have the
> ideal situation with a OI and OII. Maybe someday I will be as
> fortunate. Would you mind telling me what transmit audio settings
> seem to work the best for you with your OI, and what mic you use?
> Thanks very much and 73,
> Mike, WC0
>

Hi Mike,
you are welcome. :-)
With my ORION I tested the "old" TT mod. 701 hand mike, an "old" TT electret mod.706, the dedicated Heil-built StudioOne, and the newer mod. 708 and 709 TT mikes.
I suggest you to use TT mod. 708 and 709 mikes, they sound great with me, and are my first choice.
The Heil Studio One is just as good, but please remember to check its well-known cable-wiring issue...
The 706 is also rather good, but it comes third in my list.
The 701 hand mike cannot reach the quality of the other mikes, but it is still a good element.

I did not test the new 702/703 hand mikes.

As about audio settings with ORION I, it is very easy using the dedicated 708/709 mikes: SP pot to zero, mic gain pot to 7.
I set my bandwidth to 3000 Hz for a wide audio, no more, and roll-off to 100 Hz.

Have fun with these great radios !
Fabio, I0LBE

>

[Non-text portions of this message have been removed]

5355. FS: Orion II 566AT

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-06 01:56:20 UTC
From: k4elo
Topic: 5355 Message: 5355

Options:
ATU
Filters: 1.8kHz, 600Hz, 300Hz
Cooling fan.
$2995 shipped conus.
Email me for details K4ELO@...

73
Wayne

5356. Orion 565 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-09 04:07:23 UTC
From: n8lpq
Topic: 5356 Message: 5356

Hello All,

Is there any new firmware out there besides V2 by Ten-Tec??? If so where? What is good or bad about it? Thanks
Ed N8LPQ

5357. Re: [orion565] Orion 565 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-09 12:58:04 UTC
From: amfone
Topic: 5356 Message: 5357

Hello

I have the same question. If you find out any good info could you forward it to me.

Thanks 73

Tim
WB8UHZ

--- On Thu, 7/9/09, n8lpq <n8lpq@...> wrote:

From: n8lpq <n8lpq@...>
Subject: [orion565] Orion 565 Firmware
To: orion565@yahoogroups.com
Date: Thursday, July 9, 2009, 12:07 AM

Hello All,

Is there any new firmware out there besides V2 by Ten-Tec??? If so where? What is good or bad about it? Thanks
Ed N8LPQ

[Non-text portions of this message have been removed]

5358. Re: [orion565] Orion 565 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-09 18:22:46 UTC
From: Martin Ewing
Topic: 5356 Message: 5358

There is no known firmware for the Orion, except what TenTec provides.
There would be considerable problems rolling your own without any
documentation or support from TT, even for programming experts. (Not
to say it's impossible!)

You can choose the latest version 2 release (which I use successfully)
or any of the earlier versions. They are all available from sources
on the net.

73 Martin AA6E

On Thu, Jul 9, 2009 at 4:07 AM, n8lpq<n8lpq@yahoo.com> wrote:
> Hello All,
>
>   Is there any new firmware out there besides V2 by Ten-Tec??? If so where? What is
good or bad about it? Thanks
> Ed N8LPQ
>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>
>
>

5360. Re: [orion565] Orion 565 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-10 01:39:54 UTC
From: Ed Menasian
Topic: 5356 Message: 5360

a lot of people make software for the Orion. I wanted to know of there was 3rd party FIRMWARE. But I got my answer. NOT YET. Ten-Tec has released the source code to public domain. So I have been told.

--- On Thu, 7/9/09, catfishtwo@... <catfishtwo@...> wrote:

From: catfishtwo@... <catfishtwo@...>
Subject: Re: [orion565] Orion 565 Firmware
To: orion565@yahoogroups.com
Date: Thursday, July 9, 2009, 3:43 PM

N4PY makes some software for the orion

Tom

N6AJR

In a message dated 7/9/2009 11:24:19 A.M. Pacific Daylight Time,

martin.s.ewing@ gmail.com writes:

There is no known firmware for the Orion, except what TenTec provides.

There would be considerable problems rolling your own without any

documentation or support from TT, even for programming experts. (Not

to say it's impossible!)

You can choose the latest version 2 release (which I use successfully)

or any of the earlier versions. They are all available from sources

on the net.

73 Martin AA6E

On Thu, Jul 9, 2009 at 4:07 AM, n8lpq<_n8lpq@yahoo. n8l_

(mailto:n8lpq@yahoo. com) > wrote:

> Hello All,

>

> Is there any new firmware out there besides V2 by Ten-Tec??? If so

where? What is good or bad about it? Thanks

> Ed N8LPQ

>

>

>

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>

>

> Yahoo! Groups Links

>

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********** **Looking for love this summer? Find it now on AOL Personals.

(http://personals. aol.com/? ncid=emlcntuslov e00000003)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5361. FS: Inrad 600Hz filter for Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-10 09:04:35 UTC
From: Petr Ourednik
Topic: 5361 Message: 5361

Hello,
I have for sale the Inrad #762 (600 Hz 9001.5 kHz CW 4-pole) crystal filter. As most of You know this filter is designed to go into the 1 kHz slot in the Orion and it will improve the close in dynamic range by up to 13 dB.
Like new is offered now here for $65 + shipping (Inrad price $115 + shipping).
73 - Petr, OK1RP

5362. Re: [orion565] Orion 565 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-10 14:11:30 UTC
From: Alan Sewell N5NA
Topic: 5356 Message: 5362

I really curious who told you the firmware source code has been released to the public domain. Did that come from Ten-Tec? In the past they've always regarded that as intellectual property and said it would not be released.

Alan N5NA

Ed Menasian wrote:
> a lot of people make software for the Orion. I wanted to know of there was 3rd party FIRMWARE. But I got my answer. NOT YET. Ten-Tec has released the source code to public domain. So I have been told.
>
>
>
>

5363. Re: [orion565] Orion 565 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-10 14:20:29 UTC
From: Ed Menasian
Topic: 5356 Message: 5363

I believe it was someone from TENTEC. Do not quot me on that for sure. I know I read it on the net. I was talking to Tony from TENTEC I asked him about it. This is what prompted me to ask about the 3rd party firmware

--- On Fri, 7/10/09, Alan Sewell N5NA <alan.n5na@...> wrote:

From: Alan Sewell N5NA <alan.n5na@...>
Subject: Re: [orion565] Orion 565 Firmware
To: orion565@yahoogroups.com
Date: Friday, July 10, 2009, 10:11 AM

I really curious who told you the firmware source code has been released

to the public domain. Did that come from Ten-Tec? In the past they've

always regarded that as intellectual property and said it would not be

released.

Alan N5NA

Ed Menasian wrote:

> a lot of people make software for the Orion. I wanted to know of there was 3rd party FIRMWARE. But I got my answer. NOT YET. Ten-Tec has released the source code to public domain. So I have been told.

>

>

>

>

[Non-text portions of this message have been removed]

5364. Re: [orion565] Orion 565 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-10 18:23:21 UTC
From: Billy Cox
Topic: 5356 Message: 5364

I contacted Ten-Tec and confirmed this is *NOT* true.

Please confirm your sources before posting nonsense as
just because one "read it on the net" does not mean it
is anywhere close to being accurate or the truth. <sigh>

Why one posts such and then states "Do not quot me
on that for sure" ... is rather amazing.

"I believe it ..."
"I know I read ..."
"I was talking to ..."
"So I have been told ..."
"Do not quot me on that for sure ..."

Pure nonsense ... come on Ed, you would not want
someone to post such about YOU on a public forum,
so why did you do such about Ten-Tec?

They deserve better ...

73 de Billy, AA4NU

-----Original Message-----
>From: Ed Menasian <n8lpq@...>
>I believe it was someone from TENTEC. Do not quot me on that for sure. I know I read it on the net. I was talking to Tony from TENTEC I asked him about it. This is what prompted me to ask about the 3rd party firmware
>
>--- On Fri, 7/10/09, Alan Sewell N5NA <alan.n5na@...> wrote:
>
>From: Alan Sewell N5NA <alan.n5na@...>
>I really curious who told you the firmware source code has been released
>to the public domain. Did that come from Ten-Tec? In the past they've
>always regarded that as intellectual property and said it would not be
>released.
>
>Alan N5NA
>
>Ed Menasian wrote:
>
>> a lot of people make software for the Orion. I wanted to know of there was 3rd party FIRMWARE. But I got >my answer. NOT YET. Ten-Tec has released the source code to public domain. So I have been told.

5365. RE: [orion565] Orion 565 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-10 18:51:10 UTC
From: John T. Fleming
Topic: 5356 Message: 5365

I think where there may be some confusion is the Jupiter/Pegasus software for controlling the rig source code is on the web site as well as One Plug source code is on the Ten-Tec site. But the "firmware" with the DSP etc. has never been open.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Billy Cox
Sent: Friday, July 10, 2009 2:23 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion 565 Firmware

I contacted Ten-Tec and confirmed this is *NOT* true.

[Non-text portions of this message have been removed]

5366. Best wishes from a new ORION I owner

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-12 17:41:04 UTC
From: it9yhr
Topic: 5366 Message: 5366

Hi, I am a new comers .... I am waiting for my new OI second (excellent) hand.

I will send you soon some question.

Best regards.

Alex IT9YHR

5367. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-12 19:00:06 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5367

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap agc stuff/orion 1372 agc.pdf
Uploaded by : pa1ap <pa1ap@...>
Description : Threshold versus Rf Gain effect Fw:1372

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20agc%20stuff/orion%201372%20agc.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5368. orion 565, FW 1372, Threshold and Rf Gain document

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-12 19:03:56 UTC
From: pa1ap
Topic: 5368 Message: 5368

Greetings,

I my quest for answers I have documented what I have observed and I hope it can be of help for others as well I hope to receive (constructive) feedback on its content.

Through analysis I learned that using Threshold can lead to about 20dB out of band noise reduction compared to using RF Gain setting to control the IF gain. This is significant and I have tried to visualize this behavior and uploaded it to the files section.

My two cents, hope its worth something for someone ;-)

Best regards, Onno pa1ap

5369. Wiring 705 Mic for Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-12 20:49:54 UTC
From: wc0l
Topic: 5369 Message: 5369

Does anybody know the best way to do this, given the fact that you are supposed to have a positive and negative audio line connected to the 4 pin connector on the Orion, and the shield of the mic cable to the connector shell? Any help is appreciated.

Thanks very much,
Mike, WC0L

5370. Re: Wiring 705 Mic for Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-12 21:48:36 UTC
From: k1fpv
Topic: 5369 Message: 5370

If you are using the 705 mic with the 4 pin connector, the negative mic return is connected to the same pin as the shield ground. I use a 4 pin setup on my Argo V as well as my Jupiter. I use a different setup on my Orion II with the 8 pin connector which I detailed on this forum a few days ago. Good luck!

Bill
K1FPV

--- In orion565@yahoogroups.com, "wc0l" <wc0l@...> wrote:
>
> Does anybody know the best way to do this, given the fact that you are supposed to have a positive and negative audio line connected to the 4 pin connector on the Orion, and the shield of the mic cable to the connector shell? Any help is appreciated.
>
> Thanks very much,
> Mike, WC0L
>

5371. Re: [orion565] orion 565, FW 1372, Threshold and Rf Gain document

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-13 04:13:08 UTC
From: Henry
Topic: 5368 Message: 5371

Onno,

I am not sure I entirely understand what your report is saying but from what I think I understand you are saying, increasing the threshold or reducing the RF gain, the out of band noise is reduced by 10 to 20 dB.

I can't see why this would explain the dramatic improvement in S/N ratio reported by those who use the effect. The out of band noise is already well down in level.

You provide two charts which show the output spectrum of morse code signals at S8-9 level with the RF gain reduced and the threshold increased. What would be interesting would be to see the same charts with these S8-9 signals but with the threshold left at default and the RF gain at full on. What would be interesting to see is the supposed change in relative signal to in band noise for two set ups (i.e. RF gain at full/threshold at default compared to RF gain reduced/elevated threshold).

What was also interesting was the difference in the shape of the output characteristic between the default threshold case and the threshold set above band noise case (the first two charts). Do you have any explanation for the tailing off in the output characteristic after 3kHz for the default threshold case compared to the sharp cut off in the elevated threshold characteristic?

I hope I haven't misunderstood your report.

Best,

Henry.

pa1ap wrote:
> Greetings,
>
> I my quest for answers I have documented what I have observed and I hope it can be of help for others as well I hope to receive (constructive) feedback on its content.
>
> Through analysis I learned that using Threshold can lead to about 20dB out of band noise reduction compared to using RF Gain setting to control the IF gain. This is significant and I have tried to visualize this behavior and uploaded it to the files section.
>
> My two cents, hope its worth something for someone ;-)
>
> Best regards, Onno pa1ap
>
>

>

5372. Re: orion 565, FW 1372, Threshold and Rf Gain document

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-13 06:13:27 UTC
From: pa1ap
Topic: 5368 Message: 5372

Greetings Henry,

Thanks very much for reply and comments!

I have to find a way to capture the same screen when a strong signal arrives. What i have already observed is that the out of band noise jumps up to about 20dB below the in band noise. This with threshold below band noise. When setting threshold little above in band noise the difference would be about 30-40dB and this can be heard clearly.

From what I found the AGC characterists cause significant out of band noise. Its almost at the same level as the inband noise figure. You will definitely hear this through the speaker, even in 1372 firmware.

I will run the same test with other firmware. If i am not mistaken using 2056 shows much better behavior on the out of band noise.

Have to go to work but will continue later today.

Thanks so much for your feedback, I will try to figure out possible answers.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, Henry <hjrech@...> wrote:
>
> Onno,
>
> I am not sure I entirely understand what your report is saying but from
> what I think I understand you are saying, increasing the threshold or
> reducing the RF gain, the out of band noise is reduced by 10 to 20 dB.
>
> I can't see why this would explain the dramatic improvement in S/N ratio
> reported by those who use the effect. The out of band noise is already
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> signals at S8-9 level with the RF gain reduced and the threshold
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> with these S8-9 signals but with the threshold left at default and the
> RF gain at full on. What would be interesting to see is the supposed
> change in relative signal to in band noise for two set ups (i.e. RF gain
> at full/threshold at default compared to RF gain reduced/elevated
> threshold).
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> above band noise case (the first two charts). Do you have any
> explanation for the tailing off in the output characteristic after 3kHz

> for the default threshold case compared to the sharp cut off in the
> elevated threshold characteristic?
>
> I hope I haven't misunderstood your report.
>
> Best,
>
> Henry.
>
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>
> pa1ap wrote:
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> > Through analysis I learned that using Threshold can lead to about 20dB out of band noise reduction compared to using RF Gain setting to control the IF gain. This is significant and I have tried to visualize this behavior and uploaded it to the files section.
> >
> > My two cents, hope its worth something for someone ;-)
> >
> > Best regards, Onno pa1ap
> >
> >
> >
>

5373. Re: orion 565, FW 1372, Threshold and Rf Gain document

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-14 11:08:50 UTC
From: pa1ap
Topic: 5368 Message: 5373

This week I will compare with 2056 firmware which does not cause out of band noise as found with other firmware (illustration#5 clearly shows artifacts in the out of band spectrum using 1372). 2056 is cleaner then 1372 firmware and the sound produced has better quality in my humble opinion.

What I observe in 1372 & 2063Xg firmware is that medium to strong signals cause strong artifacts in the outband spectrum. The difference in volume between in & out band noise is anywhere between 10 to 20dB and for sure you will "hear" this. The artifacts are often short duration and hence they might translate in "clicking" sounds and they will reach your ears through the speaker. I have to find a way to show / capture minimum, average and peak volume on both in and out band noise...

Maybe I am using the orion wrong, i am only human and trying to do my best to understand the settings. Any suggestions very welcome.

Some thoughts;
Suppose the normal band noise as received on orion causes AGC clipping and this translates to out of band artifacts (just assume for now). Moving the threshold above the band noise would eliminate the AGC clipping effect and hence you see a much deeper "cliff" between inband and out of band noise. Sounds plausible to me and the audio pictures seem to confirm this...

Perhaps the question should be about removing noise instead of changing wanted signal to noise ratio....

Regardless of settings I have not found a way to improve signal to noise ratio with any setting when looking within the passband. If a signal is 20dB above the (in band) noise there is little to nothing which can improve this. Until you look further then the in band noise figure and include the out of band noise figure which generates noise as well (normal noise plus -unwanted- artifacts)....

Anyway, it is an exciting topic and I enjoy researching this despite the limited tools available.

I will try to provide A/B reports, as well see if I can isolate the out of band noise somehow to take it out of the equation. Perhaps I can have the audio going through an outside DSP low pass filter, make a recording and then run the audio through an outside DSP high pass filter to capture the out of and noise... Will see how and if I can build such test setup. Easy step might be to use the build-in RX equalizer to give the high / low frequencies a 20dB boost / attenuation although its provided by the same DSP driving the AGC...

Best regards,
Onno, pa1ap

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>

> Greetings Henry,
>
> Thanks very much for reply and comments!
>
> I have to find a way to capture the same screen when a strong signal arrives. What i have already observed is that the out of band noise jumps up to about 20dB below the in band noise. This with threshold below band noise. When setting threshold little above in band noise the difference would be about 30-40dB and this can be heard clearly.
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> From what I found the AGC characterists cause significant out of band noise. Its almost at the same level as the inband noise figure. You will definitely hear this through the speaker, even in 1372 firmware.
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> I will run the same test with other firmware. If i am not mistaken using 2056 shows much better behavior on the out of band noise.
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> Have to go to work but will continue later today.
>
> Thanks so much for your feedback, I will try to figure out possible answers.
>
> Best regards, Onno pa1ap
>
> --- In orion565@yahoogroups.com, Henry <hjrech@> wrote:
> >
> > Onno,
> >
> > I am not sure I entirely understand what your report is saying but from
> > what I think I understand you are saying, increasing the threshold or
> > reducing the RF gain, the out of band noise is reduced by 10 to 20 dB.
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> > I can't see why this would explain the dramatic improvement in S/N ratio
> > reported by those who use the effect. The out of band noise is already
> > well down in level.
> >
> > You provide two charts which show the output spectrum of morse code
> > signals at S8-9 level with the RF gain reduced and the threshold
> > increased. What would be interesting would be to see the same charts
> > with these S8-9 signals but with the threshold left at default and the
> > RF gain at full on. What would be interesting to see is the supposed
> > change in relative signal to in band noise for two set ups (i.e. RF gain
> > at full/threshold at default compared to RF gain reduced/elevated
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> > What was also interesting was the difference in the shape of the output
> > characteristic between the default threshold case and the threshold set
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> > for the default threshold case compared to the sharp cut off in the
> > elevated threshold characteristic?
> >

> > I hope I haven't misunderstood your report.
> >
> > Best,
> >
> > Henry.
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> >
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> > pa1ap wrote:
> > > Greetings,
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> > > I my quest for answers I have documented what I have observed and I hope it can be of help for others as well I hope to receive (constructive) feedback on its content.
> > >
> > > Through analysis I learned that using Threshold can lead to about 20dB out of band noise reduction compared to using RF Gain setting to control the IF gain. This is significant and I have tried to visualize this behavior and uploaded it to the files section.
> > >
> > > My two cents, hope its worth something for someone ;-)
> > >
> > > Best regards, Onno pa1ap
> > >
> > >
> > >
> > >
>

5374. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-14 15:56:03 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5374

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap firmware comments & findings/orion 1372 - 2056 out of band agc.pdf
Uploaded by : pa1ap <pa1ap@...>
Description : orion 565 1327 versus 2056 out of band noise

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20firmware%20comments%20%26%20findings/orion%201372%20-%202056%20out%20of%20band%20agc.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5375. Re: orion 565, FW 1372, Threshold and Rf Gain document

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-14 16:03:11 UTC
From: pa1ap
Topic: 5368 Message: 5375

Quickly capture difference between 1372 and 2056 regarding out of band noise.

Open the document and you will find three slides.

Slide 1 & 2 cover 1372 fw:

the red line shows the peak signal and the green line is the lowest level.

You can clearly see that using threshold below band noise sets the outband noise at about 20dB below the in band noise.

Second slide I have put threshold just above the band noise and you see a significant drop of the minimum out of band noise and the upper out of band noise.

For both slides you see clearly that out of band noise is really there... I dont know what the out of band noise represents, could be clipping, harmonics, artifacts... dont know.

Slide 3 covers 2056 fw;

the red line shows the peak signal and the green line is the lowest level. This is the same qso and i have set the threshold just above the band noise.... Two observations; for one there is no strange noise present in out of band spectrum. Second when the stations talks the out of band noise does not change. As you can see with slide 1 and 2 the out of band noise moves up the peak line (red)...

What this means in practise? To me listnening to signals using 2056 sounds much more relaxing and cleaner then 1372. If i use 2063Xg the distortion in oit of band spectrum is even worse then 1372....

Anyway, just an observation and perhaps i am overlooking something. Please comment and share idea's on how this could be tested in a better way...

Thanks and best regards,
Onno pa1ap

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
>
> This week I will compare with 2056 firmware which does not cause out of band noise as found with other firmware (illustration#5 clearly shows artifacts in the out of band spectrum using 1372). 2056 is cleaner then 1372 firmware and the sound produced has better quality in my humble opinion.
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> What I observe in 1372 & 2063Xg firmware is that medium to strong signals cause strong artifacts in the outband spectrum. The difference in volume between in & out band noise is anywhere between 10 to 20dB and for sure you will "hear" this. The artifacts are often short duration and hence they might translate in "clicking" sounds and they will reach your ears through the speaker. I have to find a way to show / capture minimum, average and peak

volume on both in and out band noise...
>
> Maybe I am using the orion wrong, i am only human and trying to do my best to understand the settings. Any suggestions very welcome.
>
> Some thoughts;
> Suppose the normal band noise as received on orion causes AGC clipping and this translates to out of band artifacts (just assume for now). Moving the threshold above the band noise would eliminate the AGC clipping effect and hence you see a much deeper "cliff" between inband and out of band noise. Sounds plausible to me and the audio pictures seem to confirm this...
>
> Perhaps the question should be about removing noise instead of changing wanted signal to noise ratio....
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> Regardless of settings I have not found a way to improve signal to noise ratio with any setting when looking within the passband. If a signal is 20dB above the (in band) noise there is little to nothing which can improve this. Until you look further then the in band noise figure and include the out of band noise figure which generates noise as well (normal noise plus -unwanted- artifacts)....
>
> Anyway, it is an exciting topic and I enjoy researching this despite the limited tools available.
>
> I will try to provide A/B reports, as well see if I can isolate the out of band noise somehow to take it out of the equation. Perhaps I can have the audio going through an outside DSP low pass filter, make a recording and then run the audio through an outside DSP high pass filter to capture the out of and noise... Will see how and if I can build such test setup. Easy step might be to use the build-in RX equalizer to give the high / low frequencies a 20dB boost / attenuation although its provided by the same DSP driving the AGC...
>
>
> Best regards,
> Onno, pa1ap
>
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Greetings Henry,
> >
> > Thanks very much for reply and comments!
> >
> > I have to find a way to capture the same screen when a strong signal arrives. What i have already observed is that the out of band noise jumps up to about 20dB below the in band noise. This with threshold below band noise. When setting threshold little above in band noise the difference would be about 30-40dB and this can be heard clearly.
> >
> > From what I found the AGC characterists cause significant out of band noise. Its almost at the same level as the inband noise figure. You will definitely hear this through the speaker, even in 1372 firmware.

> >
> > I will run the same test with other firmware. If i am not mistaken using 2056 shows much better behavior on the out of band noise.
> >
> > Have to go to work but will continue later today.
> >
> > Thanks so much for your feedback, I will try to figure out possible answers.
> >
> > Best regards, Onno pa1ap
> >
> > --- In orion565@yahoogroups.com, Henry <hjrech@> wrote:
> > >
> > > Onno,
> > >
> > > I am not sure I entirely understand what your report is saying but from
> > > what I think I understand you are saying, increasing the threshold or
> > > reducing the RF gain, the out of band noise is reduced by 10 to 20 dB.
> > >
> > > I can't see why this would explain the dramatic improvement in S/N ratio
> > > reported by those who use the effect. The out of band noise is already
> > > well down in level.
> > >
> > > You provide two charts which show the output spectrum of morse code
> > > signals at S8-9 level with the RF gain reduced and the threshold
> > > increased. What would be interesting would be to see the same charts
> > > with these S8-9 signals but with the threshold left at default and the
> > > RF gain at full on. What would be interesting to see is the supposed
> > > change in relative signal to in band noise for two set ups (i.e. RF gain
> > > at full/threshold at default compared to RF gain reduced/elevated
> > > threshold).
> > >
> > > What was also interesting was the difference in the shape of the output
> > > characteristic between the default threshold case and the threshold set
> > > above band noise case (the first two charts). Do you have any
> > > explanation for the tailing off in the output characteristic after 3kHz
> > > for the default threshold case compared to the sharp cut off in the
> > > elevated threshold characteristic?
> > >
> > > I hope I haven't misunderstood your report.
> > >
> > > Best,
> > >
> > > Henry.
> > >
> > >
> > >
> > >
> > > pa1ap wrote:
> > > > Greetings,
> > > >

> > > > I my quest for answers I have documented what I have observed and I hope it can be of help for others as well I hope to receive (constructive) feedback on its content.
> > > >
> > > > Through analysis I learned that using Threshold can lead to about 20dB out of band noise reduction compared to using RF Gain setting to control the IF gain. This is significant and I have tried to visualize this behavior and uploaded it to the files section.
> > > >
> > > > My two cents, hope its worth something for someone ;-)
> > > >
> > > > Best regards, Onno pa1ap
> > > >
> > > >
> > > >
> > >
> >
>

5376. Re: orion 565, FW 1372, Threshold and Rf Gain document

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-14 17:42:52 UTC
From: pa1ap
Topic: 5368 Message: 5376

Hello Henry,

Here is what I found;

Out of band noise is not well down in level unfortunately. It is only 20dB below band noise and hence it adds to the total sound coming out of the speaker.

Second when there is a stronger signal in the pass band somehow the out of band spectrum gets populated by strange signals, which are not well below band noise....

Setting the threshold above band noise lowers the out of band noise but it gets modulated by the strange ghost signals.

/// above all with 1372 and actually 2063Xg beta as well

Now if you install another firmware (2056) the results are really different. No more strange signals in the out of band spectrum... And yes you can clearly hear that difference.

////

For me the questions are;
1) what causes this out of band noise to be so present? Is it caused by wrong / invalid settings or firmware behavior?
2) its even worse when you run cw while using 1372... Then you see ghost signals in the out of band spectrum... in other words the dsp duplicates the signal multiple times.... could this be related to the artifacts we see when using other modes? I will share a picture to demonstrate this.
3) 2056 dsp routine confirms this out of band noise & ghost signals do not have to be present
4) setting threshold can significantly reduce out of band noise and I am wondering this is what has been observed in the past by other operators fiddling with threshold values to raise margins signals out of the noise coming out of the speaker....

Best regards, Onno pa1ap

-
-- In orion565@yahoogroups.com, Henry <hjrech@...> wrote:
>
> Onno,
>
> I am not sure I entirely understand what your report is saying but from
> what I think I understand you are saying, increasing the threshold or
> reducing the RF gain, the out of band noise is reduced by 10 to 20 dB.
>
> I can't see why this would explain the dramatic improvement in S/N ratio
> reported by those who use the effect. The out of band noise is already

> well down in level.
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> You provide two charts which show the output spectrum of morse code
> signals at S8-9 level with the RF gain reduced and the threshold
> increased. What would be interesting would be to see the same charts
> with these S8-9 signals but with the threshold left at default and the
> RF gain at full on. What would be interesting to see is the supposed
> change in relative signal to in band noise for two set ups (i.e. RF gain
> at full/threshold at default compared to RF gain reduced/elevated
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> characteristic between the default threshold case and the threshold set
> above band noise case (the first two charts). Do you have any
> explanation for the tailing off in the output characteristic after 3kHz
> for the default threshold case compared to the sharp cut off in the
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> Henry.
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> pa1ap wrote:
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> > I my quest for answers I have documented what I have observed and I hope it can be of help for others as well I hope to receive (constructive) feedback on its content.
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> > Through analysis I learned that using Threshold can lead to about 20dB out of band noise reduction compared to using RF Gain setting to control the IF gain. This is significant and I have tried to visualize this behavior and uploaded it to the files section.
> >
> > My two cents, hope its worth something for someone ;-)
> >
> > Best regards, Onno pa1ap
> >
> >
> >
>

5377. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-14 21:01:36 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5377

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap firmware comments & findings/20m lp on-off.mp3
Uploaded by : pa1ap <pa1ap@...>
Description : 2063XG 20 meter QSO with 3Khz LP off/on

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20firmware%20comments%20%26%20findings/20m%20lp%20on-off.mp3

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5378. Re: orion 565, FW 1372, Threshold and Rf Gain document

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-14 21:10:05 UTC
From: pa1ap
Topic: 5368 Message: 5378

Related to 2063Xg RF GAIN to demonstrate the out of band noise contribution (clipping, artifacts or whatever we call them)... Very similar to 1372 out of band noise.

To demonstrate the contribution of out of band noise (regardless of what causing it to happen) I have captured a QSO on 20 meter between a very strong Italian station and weak Canadian station. Its available as mp3 within the files section.

Then I run the capture through a dsp program and applied a 3Khz low pass filter on the audio at the following time intervals; between 5-10 seconds, 30-40 seconds, 55-60 seconds, 65-70 seconds... The recording is a little longer then 70 seconds, so it should not take that much time to go through it.

Here is what funny about this whole thing. We all assume the out of band noise is way below the wanted signal, hence we don't hear it... I believe what I demonstrate with this simple trick is what happens to the audio when you remove the frequencies above 3Khz.... you can really hear the difference...

When i do the same test with 2056 I can not detect any difference. With 1372 the difference is smaller but present...

Appreciate feedback and advice!

Best regards, Onno pa1ap

5379. Re: orion 565, FW 1372, Threshold and Rf Gain document

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-14 21:23:32 UTC
From: pa1ap
Topic: 5368 Message: 5379

And if you like to see the difference being visualized in the same way i have done before, please check the picture i have posted.

I have taken the recording and run it through the analysis program... You can clearly see when the 3Khz LP is enabled and when it is not.

Out of band noise does translate in additional "noise" which is captured by our ears... For me it is proven now but perhaps I am overlooking something.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Related to 2063Xg RF GAIN to demonstrate the out of band noise contribution (clipping, artifacts or whatever we call them)... Very similar to 1372 out of band noise.
>
> To demonstrate the contribution of out of band noise (regardless of what causing it to happen) I have captured a QSO on 20 meter between a very strong Italian station and weak Canadian station. Its available as mp3 within the files section.
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> Then I run the capture through a dsp program and applied a 3Khz low pass filter on the audio at the following time intervals; between 5-10 seconds, 30-40 seconds, 55-60 seconds, 65-70 seconds... The recording is a little longer then 70 seconds, so it should not take that much time to go through it.
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> Here is what funny about this whole thing. We all assume the out of band noise is way below the wanted signal, hence we don't hear it... I believe what I demonstrate with this simple trick is what happens to the audio when you remove the frequencies above 3Khz.... you can really hear the difference...
>
> When i do the same test with 2056 I can not detect any difference. With 1372 the difference is smaller but present...
>
> Appreciate feedback and advice!
>
> Best regards, Onno pa1ap
>

5380. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-14 21:25:39 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5380

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap firmware comments & findings/LP interval picture.png
Uploaded by : pa1ap <pa1ap@...>
Description : 20m lp on-off picture of 2063XG 20 meter qso

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20firmware%20comments%20%26%20findings/LP%20interval%20picture.png

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5381. developing problems?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-15 02:31:29 UTC
From: ko4xj
Topic: 5381 Message: 5381

Over the last week seems like I have been having a few problems starting to develop on my O1..running 2.063Xg

1. When I turn the rig on no matter what band it comes on to, it's like the there is no antenna connected. Nothing on the sweep. If I change bands and come back to the first band, it's good then. This problem has been here a few months. The TT guys at Dayton said it could be band relay or something like that, but possibly a relay sticking. I can live with that until it get worse

These are more recent problems in the last week,

2. When the rig has been off for some hours and turn it on the screen is real dark (white background/black text) and then it gets brighter over a 1 minute or 2 to where I have the setting to. At the angle of the rig for my viewing pleasure the contrast is at 35% but this dark screen turning light just started. POSSIBLE VOLTAGE ISSUE?? will check tomorrow

3. Randomly when I press the RFGAIN button the value setting disappears, and if I press another button around the screen, the RFGAIN setting still is invisiable. If I change bands it may come back or turn the rig off it will come back. The RFGAIN still works but just no indication of the setting

4. Also I can enter a menu setting (does not matter which one) and there are random display glitches. Sometimes the value of a setting will still be displayed from the previous screen or a black block will be on the screen where it should not be.

Now I'm wondering, is this a connection problem for the monitor where I need to reseat a board or is this a more $$$ issue developing.

I also have done BATTERY FAIL reset and reloaded the 2.063Xg with the same issues, I have not gone back to another version since all has been ok since the release date of 2.063 until last week

There seems to be no operational issue other than the video problems, as far as I can tell.

ALSO I suffer from the RIT/XIT issues also and that's what makes me wonder if it's bad connections somewhere behind the front panel (you know press on the edge to make the RIT work)

Thanks

John
KO4XJ

5382. Re: [orion565] Re: orion 565, FW 1372, Threshold and Rf Gain document

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-15 05:27:31 UTC
From: Stoian Dan
Topic: 5368 Message: 5382

I have always wondered if this was true. I have noticed the "out of band noise" earlier but attributed it to maybe a noisy audio PA or circuitry after the DSP. Never thought it could come from the DSP itself. To me it seems best noticeable when I use headphones. In order to diminuate it I used to turn down a bit the volume knob provided on the headphones cord and turn louder the volume knob on the radio in order to reach the same AF level. Don't know about you, but to me it seemed to make a lot of difference. Maybe it was just my ears hearing it that way.

Dan, yo2llq

On Wed, 15 Jul 2009 00:23:32 +0300, pa1ap <pa1ap@...> wrote:

> And if you like to see the difference being visualized in the same way i
> have done before, please check the picture i have posted.
>
> I have taken the recording and run it through the analysis program...
> You can clearly see when the 3Khz LP is enabled and when it is not.
>
> Out of band noise does translate in additional "noise" which is captured
> by our ears... For me it is proven now but perhaps I am overlooking
> something.
>
> Best regards, Onno pa1ap
>
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>>
>> Related to 2063Xg RF GAIN to demonstrate the out of band noise
>> contribution (clipping, artifacts or whatever we call them)... Very
>> similar to 1372 out of band noise.
>>
>> To demonstrate the contribution of out of band noise (regardless of
>> what causing it to happen) I have captured a QSO on 20 meter between a
>> very strong Italian station and weak Canadian station. Its available as
>> mp3 within the files section.
>>
>> Then I run the capture through a dsp program and applied a 3Khz low
>> pass filter on the audio at the following time intervals; between 5-10
>> seconds, 30-40 seconds, 55-60 seconds, 65-70 seconds... The recording
>> is a little longer then 70 seconds, so it should not take that much
>> time to go through it.
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>> Here is what funny about this whole thing. We all assume the out of
>> band noise is way below the wanted signal, hence we don't hear it... I
>> believe what I demonstrate with this simple trick is what happens to

>> the audio when you remove the frequencies above 3Khz.... you can really
>> hear the difference...
>>
>> When i do the same test with 2056 I can not detect any difference. With
>> 1372 the difference is smaller but present...
>>
>> Appreciate feedback and advice!
>>
>> Best regards, Onno pa1ap
>>
>
>

--
dan stoian

5383. Re: orion 565, FW 1372, Threshold and Rf Gain document

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-15 08:20:01 UTC
From: pa1ap
Topic: 5368 Message: 5383

You could try the RX eq setting and use it as low pass filter. No harm trying and perhaps it gives you the difference you are looking for. I am not sure how turning down volume on headset and turning up volume in orion would reduce the out of band noise.

From what i remember the headphone connection has a modification to increase the impedance by a hundred ohm or so to illimate hiss as detected by some folks with the first batch of orions. when connecting a low impedance headset the noise was significant.

Perhaps try the RX EQ setting and see what this does for you.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, "Stoian Dan" <danvstoian@...> wrote:
>
> I have always wondered if this was true. I have noticed the "out of band
> noise" earlier but attributed it to maybe a noisy audio PA or circuitry
> after the DSP. Never thought it could come from the DSP itself. To me it
> seems best noticeable when I use headphones. In order to diminuate it I
> used to turn down a bit the volume knob provided on the headphones cord
> and turn louder the volume knob on the radio in order to reach the same AF
> level. Don't know about you, but to me it seemed to make a lot of
> difference. Maybe it was just my ears hearing it that way.
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> Dan, yo2llq
>
>
> On Wed, 15 Jul 2009 00:23:32 +0300, pa1ap <pa1ap@...> wrote:
>
> > And if you like to see the difference being visualized in the same way i
> > have done before, please check the picture i have posted.
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> > I have taken the recording and run it through the analysis program...
> > You can clearly see when the 3Khz LP is enabled and when it is not.
> >
> > Out of band noise does translate in additional "noise" which is captured
> > by our ears... For me it is proven now but perhaps I am overlooking
> > something.
> >
> > Best regards, Onno pa1ap
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> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
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> >> Appreciate feedback and advice!
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> >> Best regards, Onno pa1ap
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> >
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> --
> dan stoian
>

5384. Re: [orion565] Re: orion 565, FW 1372, Threshold and Rf Gain document

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-15 08:36:29 UTC
From: Stoian Dan
Topic: 5368 Message: 5384

Well I am not sure either. It always seemed to me as the noise was a constant high pitched broadband (say 5-15 kHz) noise of a later AF stage and that I could improve the signal to noise ratio by increasing the useful signal before the amplifier and attenuating afterwards both the signal and the noise, hence resulting in an improvement in signal to noise ratio.

It also might still be that I am in fact not talking about the noise you got to but about the hiss issue with low impedance headphones, of which I did not know. I am also not aware about the increased impedance modification, will look around for it.

thanks,

Dan, yo2llq

On Wed, 15 Jul 2009 11:20:01 +0300, pa1ap <pa1ap@...> wrote:

> You could try the RX eq setting and use it as low pass filter. No harm
> trying and perhaps it gives you the difference you are looking for. I am
> not sure how turning down volume on headset and turning up volume in
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> From what i remember the headphone connection has a modification to
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>> dan stoian
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dan stoian

5387. RE: [orion565] developing problems?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-15 12:37:54 UTC
From: John T. Fleming
Topic: 5381 Message: 5387

John,

Behind the row of buttons on the right hand side of the display is a series of long pins that plug into the sockets for the pins and the sockets are mounted on the back side of the buttons. I have found that they can oxidize over time. Press the edge of the window frame between the display and buttons and that will exercise the connections and should fix the RIT/XIT problem. A longer lasting but not easier approach is to download the V2 mod instructions. I will tell you how to take the front panel apart. From my experience, just loosen the screws holding the circuit boards behind the display panel and put contact cleaner on ALL of the plug in connections and then "exercise" the connection and tighten everything up again. Then re-assemble the front panel. The directions are near the end of the V2 mod instructions. This should hold you for a few years. I should also help the display problem.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of ko4xj
Sent: Tuesday, July 14, 2009 10:31 PM
To: orion565@yahoogroups.com
Subject: [orion565] developing problems?

Over the last week seems like I have been having a few problems starting to develop on my O1..running 2.063Xg

1. When I turn the rig on no matter what band it comes on to, it's like the there is no antenna connected. Nothing on the sweep. If I change bands and come back to the first band, it's good then. This problem has been here a few months. The TT guys at Dayton said it could be band relay or something like that, but possibly a relay sticking. I can live with that until it get worse

These are more recent problems in the last week,

2. When the rig has been off for some hours and turn it on the screen is real dark (white background/black text) and then it gets brighter over a 1 minute or 2 to where I have the setting to. At the angle of the rig for my viewing pleasure the contrast is at 35% but this dark screen turning light just started. POSSIBLE VOLTAGE ISSUE?? will check tomorrow

3. Randomly when I press the RFGAIN button the value setting disappears, and if I press another button around the screen, the RFGAIN setting still is invisiable. If I change bands it may come back or turn the rig off it will come back. The RFGAIN still works but just no indication of the setting

4. Also I can enter a menu setting (does not matter which one) and there are random display glitches. Sometimes the value of a setting will still be displayed from the previous screen or a black block will be on the screen where it should not be.

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ALSO I suffer from the RIT/XIT issues also and that's what makes me wonder if it's bad connections somewhere behind the front panel (you know press on the edge to make the RIT work)

Thanks

John
KO4XJ

[Non-text portions of this message have been removed]

5388. 2063 Xg out of band distortion, recording and visualized

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-20 18:29:35 UTC
From: pa1ap
Topic: 5388 Message: 5388

Greetings,

I have uploaded short recordings (MP3 high quality) as well visual picture of the recording showing amplitude related to frequency over the period of the recording.

If you hear the recording, it will start with original sound and after a few seconds I apply a low pass filter (dsp) at 3Khz... This way the out of band noise/ artifacts / distortion or whatever you like to call it is removed. I hear the distortion through speaker and headset, where the headset works best.

If you look at the recording (the two picture files with png extention) you can clearly see when the low pass at 3Khz is enabled or not... meanwhile if you hear the recordings you will notice the absence of this out of band noise.

I personally hope Ten-tec will address this issue. It is unwanted noise and clearly detectable. And I know this does not have to be the case since some firmware versions do not have this issue and the out of band noise is really

files folder: pa1ap firmware comments & findings and look for 2063Xg strong / weak signal...

Best regards,

Onno pa1ap

5389. Re: [orion565] 2063 Xg out of band distortion, recording and visualized

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-20 19:29:19 UTC
From: Alan Sewell N5NA
Topic: 5388 Message: 5389

Have you sent this information directly to Ten-Tec? As far as I know
Ten-Tec does not monitor this list. They do post the Used/Demo list on
the contesting.com Ten-Tec list but I don't know if they monitor the
traffic on that list either.

73,

Alan N5NA

pa1ap wrote:
> Greetings,
>
> I have uploaded short recordings (MP3 high quality) as well visual picture of the recording showing amplitude related to frequency over the period of the recording.
>
> If you hear the recording, it will start with original sound and after a few seconds I apply a low pass filter (dsp) at 3Khz... This way the out of band noise/ artifacts / distortion or whatever you like to call it is removed. I hear the distortion through speaker and headset, where the headset works best.
>
> If you look at the recording (the two picture files with png extention) you can clearly see when the low pass at 3Khz is enabled or not... meanwhile if you hear the recordings you will notice the absence of this out of band noise.
>
> I personally hope Ten-tec will address this issue. It is unwanted noise and clearly detectable. And I know this does not have to be the case since some firmware versions do not have this issue and the out of band noise is really
>
> files folder: pa1ap firmware comments & findings and look for 2063Xg strong / weak signal...
>
> Best regards,
>
> Onno pa1ap
>
>
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>
> Yahoo! Groups Links
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>

5390. Re: 2063 Xg out of band distortion, recording and visualized

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-20 19:56:09 UTC
From: pa1ap
Topic: 5388 Message: 5390

I will send this to ten-tec ditsnbits. So far the reports on bugs have been unconfirmed and I dont know if they have received it...

Best regards,
Onno

--- In orion565@yahoogroups.com, Alan Sewell N5NA <alan.n5na@...> wrote:
>
> Have you sent this information directly to Ten-Tec? As far as I know
> Ten-Tec does not monitor this list. They do post the Used/Demo list on
> the contesting.com Ten-Tec list but I don't know if they monitor the
> traffic on that list either.
>
> 73,
>
> Alan N5NA
>
>
> pa1ap wrote:
> > Greetings,
> >
> > I have uploaded short recordings (MP3 high quality) as well visual picture of the recording showing amplitude related to frequency over the period of the recording.
> >
> > If you hear the recording, it will start with original sound and after a few seconds I apply a low pass filter (dsp) at 3Khz... This way the out of band noise/ artifacts / distortion or whatever you like to call it is removed. I hear the distortion through speaker and headset, where the headset works best.
> >
> > If you look at the recording (the two picture files with png extention) you can clearly see when the low pass at 3Khz is enabled or not... meanwhile if you hear the recordings you will notice the absence of this out of band noise.
> >
> > I personally hope Ten-tec will address this issue. It is unwanted noise and clearly detectable. And I know this does not have to be the case since some firmware versions do not have this issue and the out of band noise is really
> >
> > files folder: pa1ap firmware comments & findings and look for 2063Xg strong / weak signal...
> >
> > Best regards,
> >
> > Onno pa1ap
> >
> >

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> > ------------------------------------
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> >
> > Yahoo! Groups Links
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>

5391. O1 Power issue

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-21 01:50:30 UTC
From: ko4xj
Topic: 5391 Message: 5391

Well something happened!

A few months ago I asked about the power switch or a software glitch, sometimes the radio would not turn off at the switch so I had to turn off the power supply then when powered up, the switch would work fine. Some of you replied and said they had to replace their power switch so OK I'll chage out the switch. Well it seemed to work for sometime until this weekend while trying to work the NAQP RTTY.

All of a sudden I could not get 100 watts out, then the screen was doing some funny things, like when I powered on the screen it would take 30-45 seconds to "warm up." It was blank then you could see the text on the display

I had a reply about pulling the display board out and making sure the connectors are seated good and clean the contacts, I did that today and when I put it back on line the same thing with the display. BUT now the when I hit the tune button the radio does a power reset. Each time I go to transmit, BAM the radio shuts off then powers up. I've even changed power supplies, a 35amp and a 50amp same thing.

Just now it reset and now it will not power up. FUSE IS GOOD CHECKED IT! and the 2m is on so power supply is working

I've been meaning to change the power switch for a few months so tomorrow I'm back to pulling the front off and checking the voltage thru the switch

COULD THE SWITCH NOT BE CARRYING ENOUGH VOLTAGE TO CARRY THE RADIOAND SHUT DOWN DURING TX? Or is this rig headed to Sevierville?

Thanks for any help or advice

John
KO4XJ

Swapping rigs now.....

5392. For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-21 02:54:26 UTC
From: n8lpq
Topic: 159 Message: 5392

Hello All,
I have a few Ten-Tec Mics for sale. I have a
TT-706 $55 plus shipping (LIKE NEW)
TT-705 $65 Plus shipping (LIKE NEW)

Look over my Feedback on QTH.com (N8LPQ)

Thanks
Ed N8LPQ

5393. Re: [orion565] O1 Power issue

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-21 03:28:26 UTC
From: Billy Cox
Topic: 5391 Message: 5393

John, have you check for this?

http://www.n6ie.com/A9_Fix.html

Just trying to help you find the root cause there ...

73 de Billy, AA4NU

-----Original Message-----
>From: ko4xj <jd_hudson@...>
>Sent: Jul 20, 2009 9:50 PM
>To: orion565@yahoogroups.com
>Subject: [orion565] O1 Power issue
>
>Well something happened!
>
>A few months ago I asked about the power switch or a software glitch, sometimes the radio would not turn off at the switch so I had to turn off the power supply then when powered up, the switch would work fine. Some of you replied and said they had to replace their power switch so OK I'll chage out the switch. Well it seemed to work for sometime until this weekend while trying to work the NAQP RTTY.
>
>All of a sudden I could not get 100 watts out, then the screen was doing some funny things, like when I powered on the screen it would take 30-45 seconds to "warm up." It was blank then you could see the text on the display
>
>I had a reply about pulling the display board out and making sure the connectors are seated good and clean the contacts, I did that today and when I put it back on line the same thing with the display. BUT now the when I hit the tune button the radio does a power reset. Each time I go to transmit, BAM the radio shuts off then powers up. I've even changed power supplies, a 35amp and a 50amp same thing.
>
>Just now it reset and now it will not power up. FUSE IS GOOD CHECKED IT! and the 2m is on so power supply is working
>
>I've been meaning to change the power switch for a few months so tomorrow I'm back to pulling the front off and checking the voltage thru the switch
>
>COULD THE SWITCH NOT BE CARRYING ENOUGH VOLTAGE TO CARRY THE RADIOAND SHUT DOWN DURING TX? Or is this rig headed to Sevierville?
>
>Thanks for any help or advice
>
>John
>KO4XJ
>

>Swapping rigs now........

5394. Re: [orion565] O1 Power issue

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-21 03:55:36 UTC
From: jd_hudson@comcast.net
Topic: 5391 Message: 5394

Thanks Billy. Wonder if the O1 has the same issue. I will look at that board tomorrow

Thanks again

73
John
KO4XJ
www.w4nja.org/ko4xj.htm
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: Billy Cox <aa4nu@...>

Date: Mon, 20 Jul 2009 23:28:26
To: <orion565@yahoogroups.com>
Subject: Re: [orion565] O1 Power issue

John, have you check for this?

http://www.n6ie.com/A9_Fix.html

Just trying to help you find the root cause there ...

73 de Billy, AA4NU

-----Original Message-----
>From: ko4xj <jd_hudson@...>
>Sent: Jul 20, 2009 9:50 PM
>To: orion565@yahoogroups.com
>Subject: [orion565] O1 Power issue
>
>Well something happened!
>
>A few months ago I asked about the power switch or a software glitch, sometimes the radio would not turn off at the switch so I had to turn off the power supply then when powered up, the switch would work fine. Some of you replied and said they had to replace their power switch so OK I'll chage out the switch. Well it seemed to work for sometime until this weekend while trying to work the NAQP RTTY.
>
>All of a sudden I could not get 100 watts out, then the screen was doing some funny things, like when I powered on the screen it would take 30-45 seconds to "warm up." It was blank then you could see the text on the display
>
>I had a reply about pulling the display board out and making sure the connectors are seated good and clean the contacts, I did that today and when I put it back on line the same thing with the display. BUT now the when I hit the tune button the radio does a power reset. Each time I go to transmit, BAM the radio shuts off then powers up. I've even

changed power supplies, a 35amp and a 50amp same thing.
>
>Just now it reset and now it will not power up. FUSE IS GOOD CHECKED IT! and the 2m is on so power supply is working
>
>I've been meaning to change the power switch for a few months so tomorrow I'm back to pulling the front off and checking the voltage thru the switch
>
>COULD THE SWITCH NOT BE CARRYING ENOUGH VOLTAGE TO CARRY THE RADIOAND SHUT DOWN DURING TX? Or is this rig headed to Sevierville?
>
>Thanks for any help or advice
>
>John
>KO4XJ
>
>Swapping rigs now.....

[Non-text portions of this message have been removed]

5395. Re: [orion565] O1 Power issue

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-21 04:33:18 UTC
From: Billy Cox
Topic: 5391 Message: 5395

Yes ... as the same board in used on both the 565 and 566.

Here's another web site with more details on the replacement caps:

http://www.users.qwest.net/~pfizenmayer/Orion%20565%20and%20Orion%20II%20566%20Capacitor%20Failures%20in%2081936%20board.htm

73 de Billy, AA4NU

-----Original Message-----
>From: jd_hudson@...
>Thanks Billy. Wonder if the O1 has the same issue. I will look at that board tomorrow
>Thanks again
>73
>John
>KO4XJ

>-----Original Message-----
>From: Billy Cox <aa4nu@...>
>
>Date: Mon, 20 Jul 2009 23:28:26
>To: <orion565@yahoogroups.com>
>Subject: Re: [orion565] O1 Power issue
>
>John, have you checked for this?
>http://www.n6ie.com/A9_Fix.html
>Just trying to help you find the root cause there ...
>73 de Billy, AA4NU
>
>-----Original Message-----
>>From: ko4xj <jd_hudson@...>
>>Well something happened!
>>A few months ago I asked about the power switch or a software glitch, sometimes the radio would not turn off at the switch so I had to turn off the power supply then when powered up, the switch would work fine. Some of you replied and said they had to replace their power switch so OK I'll chage out the switch. Well it seemed to work for sometime until this weekend while trying to work the NAQP RTTY.
>>
>>All of a sudden I could not get 100 watts out, then the screen was doing some funny things, like when I powered on the screen it would take 30-45 seconds to "warm up." It was blank then you could see the text on the display
>>
>>I had a reply about pulling the display board out and making sure the connectors are seated good and clean the contacts, I did that today and when I put it back on line the same thing with the display. BUT now the when I hit the tune button the radio does a power reset. Each time I go to transmit, BAM the radio shuts off then powers up. I've even

changed power supplies, a 35amp and a 50amp same thing.
>>
>>Just now it reset and now it will not power up. FUSE IS GOOD CHECKED IT! and the 2m is on so power supply is working
>>
>>I've been meaning to change the power switch for a few months so tomorrow I'm back to pulling the front off and checking the voltage thru the switch
>>
>>COULD THE SWITCH NOT BE CARRYING ENOUGH VOLTAGE TO CARRY THE RADIOAND SHUT DOWN DURING TX? Or is this rig headed to Sevierville?
>>
>>Thanks for any help or advice
>>
>>John
>>KO4XJ

5396. Re: O1 Power issue

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-21 12:39:16 UTC
From: Dick Green
Topic: 5391 Message: 5396

Before you change the caps on the power distribution board, take a quick look at the power connectors on the back of the radio.

Over time, the pins can spread and lose contact as the power cable is moved or flexed. That can cause the power down and reboot symptom you're seeing on transmit. It happened to me. When I looked closely at the connectors, I could see some brown areas where the connectors had lost full contact and the resistance had heated the plastic.

That particular problem may not have caused some of the other symptoms you're seeing, and bad caps on the power distribution board are another likely candidate. but it's certainly worth a quick look at the power connectors. You might have two problems!

73, Dick WC1M

--- In orion565@yahoogroups.com, Billy Cox <aa4nu@...> wrote:
>
> Yes ... as the same board in used on both the 565 and 566.
>
> Here's another web site with more details on the replacement caps:
>
> http://www.users.qwest.net/~pfizenmayer/Orion%20565%20and%20Orion%20II%20566%20Capacitor%20Failures%20in%2081936%20board.htm
>
> 73 de Billy, AA4NU
>
> -----Original Message-----
> >From: jd_hudson@...
> >Thanks Billy. Wonder if the O1 has the same issue. I will look at that board tomorrow
> >Thanks again
> >73
> >John
> >KO4XJ
>
> >-----Original Message-----
> >From: Billy Cox <aa4nu@...>
> >
> >Date: Mon, 20 Jul 2009 23:28:26
> >To: <orion565@yahoogroups.com>
> >Subject: Re: [orion565] O1 Power issue
> >
> >John, have you checked for this?
> >http://www.n6ie.com/A9_Fix.html
> >Just trying to help you find the root cause there ...
> >73 de Billy, AA4NU
> >
> >-----Original Message-----

> >>From: ko4xj <jd_hudson@...>
> >>Well something happened!
> >>A few months ago I asked about the power switch or a software glitch, sometimes the radio would not turn off at the switch so I had to turn off the power supply then when powered up, the switch would work fine. Some of you replied and said they had to replace their power switch so OK I'll chage out the switch. Well it seemed to work for sometime until this weekend while trying to work the NAQP RTTY.
> >>
> >>All of a sudden I could not get 100 watts out, then the screen was doing some funny things, like when I powered on the screen it would take 30-45 seconds to "warm up." It was blank then you could see the text on the display
> >>
> >>I had a reply about pulling the display board out and making sure the connectors are seated good and clean the contacts, I did that today and when I put it back on line the same thing with the display. BUT now the when I hit the tune button the radio does a power reset. Each time I go to transmit, BAM the radio shuts off then powers up. I've even changed power supplies, a 35amp and a 50amp same thing.
> >>
> >>Just now it reset and now it will not power up. FUSE IS GOOD CHECKED IT! and the 2m is on so power supply is working
> >>
> >>I've been meaning to change the power switch for a few months so tomorrow I'm back to pulling the front off and checking the voltage thru the switch
> >>
> >>COULD THE SWITCH NOT BE CARRYING ENOUGH VOLTAGE TO CARRY THE RADIOAND SHUT DOWN DURING TX? Or is this rig headed to Sevierville?
> >>
> >>Thanks for any help or advice
> >>
> >>John
> >>KO4XJ
>

5397. Re: [orion565] Re: O1 Power issue

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-21 13:01:12 UTC
From: jd_hudson@comcast.net
Topic: 5391 Message: 5397

Yes Dick the connector WAS a previous problem. I had a similar problem and found the connector problem so I hard wire a power cord in place. But with other problems are new

Thanks

73
John
KO4XJ
www.w4nja.org/ko4xj.htm
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: "Dick Green" <wc1m73@...>

Date: Tue, 21 Jul 2009 12:39:16
To: <orion565@yahoogroups.com>
Subject: [orion565] Re: O1 Power issue

Before you change the caps on the power distribution board, take a quick look at the power connectors on the back of the radio.

Over time, the pins can spread and lose contact as the power cable is moved or flexed. That can cause the power down and reboot symptom you're seeing on transmit. It happened to me. When I looked closely at the connectors, I could see some brown areas where the connectors had lost full contact and the resistance had heated the plastic.

That particular problem may not have caused some of the other symptoms you're seeing, and bad caps on the power distribution board are another likely candidate. but it's certainly worth a quick look at the power connectors. You might have two problems!

73, Dick WC1M

--- In orion565@yahoogroups.com, Billy Cox <aa4nu@...> wrote:
>
> Yes ... as the same board in used on both the 565 and 566.
>
> Here's another web site with more details on the replacement caps:
>
> http://www.users.qwest.net/~pfizenmayer/Orion%20565%20and%20Orion%20II%20566%20Capacitor%20Failures%20in%2081936%20board.htm
>
> 73 de Billy, AA4NU
>
> -----Original Message-----
> >From: jd_hudson@...
> >Thanks Billy. Wonder if the O1 has the same issue. I will look at that board tomorrow
> >Thanks again

> >73
> >John
> >KO4XJ
>
> >-----Original Message-----
> >From: Billy Cox <aa4nu@...>
> >
> >Date: Mon, 20 Jul 2009 23:28:26
> >To: <orion565@yahoogroups.com>
> >Subject: Re: [orion565] O1 Power issue
> >
> >John, have you checked for this?
> >http://www.n6ie.com/A9_Fix.html
> >Just trying to help you find the root cause there ...
> >73 de Billy, AA4NU
> >
> >-----Original Message-----
> >>From: ko4xj <jd_hudson@...>
> >>Well something happened!
> >>A few months ago I asked about the power switch or a software glitch, sometimes the radio would not turn off at the switch so I had to turn off the power supply then when powered up, the switch would work fine. Some of you replied and said they had to replace their power switch so OK I'll chage out the switch. Well it seemed to work for sometime until this weekend while trying to work the NAQP RTTY.
> >>
> >>All of a sudden I could not get 100 watts out, then the screen was doing some funny things, like when I powered on the screen it would take 30-45 seconds to "warm up." It was blank then you could see the text on the display
> >>
> >>I had a reply about pulling the display board out and making sure the connectors are seated good and clean the contacts, I did that today and when I put it back on line the same thing with the display. BUT now the when I hit the tune button the radio does a power reset. Each time I go to transmit, BAM the radio shuts off then powers up. I've even changed power supplies, a 35amp and a 50amp same thing.
> >>
> >>Just now it reset and now it will not power up. FUSE IS GOOD CHECKED IT! and the 2m is on so power supply is working
> >>
> >>I've been meaning to change the power switch for a few months so tomorrow I'm back to pulling the front off and checking the voltage thru the switch
> >>
> >>COULD THE SWITCH NOT BE CARRYING ENOUGH VOLTAGE TO CARRY THE RADIOAND SHUT DOWN DURING TX? Or is this rig headed to Sevierville?
> >>
> >>Thanks for any help or advice
> >>
> >>John
> >>KO4XJ
> >

[Non-text portions of this message have been removed]

5398. Question regarding the 2.041XT Beta upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-21 19:34:47 UTC
From: k1fpv
Topic: 5398 Message: 5398

I remember reading on this forum that many guys were having troubles with the Beta Firmware 2-041XT turning the screen red and a couple other issues. Are they still occurring or has Ten-Tec modified it. I'm toying with the idea of upgrading mine from 2.039d. Any comments?

Thanks & 73,
Bill
K1FPV

5399. Re: [orion565] Question regarding the 2.041XT Beta upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-21 19:40:29 UTC
From: Billy Cox
Topic: 5398 Message: 5399

Related to the "red screen" ... try setting the RF GAIN to
60 and see if it happens, then try 61 or higher and compare.

Next I will try the above with and without the PREAMP ON,
and compare those results to confirm what I am seeing here.

So far a setting of 60 or lower does not create the 'red screen'.

73 de Billy, AA4NU

-----Original Message-----
>From: k1fpv <k1fpv@...>
>Sent: Jul 21, 2009 3:34 PM
>To: orion565@yahoogroups.com
>Subject: [orion565] Question regarding the 2.041XT Beta upgrade
>
>I remember reading on this forum that many guys were having troubles with the Beta Firmware 2-041XT turning the screen red and a couple other issues. Are they still occurring or has Ten-Tec modified it. I'm toying with the idea of upgrading mine from 2.039d. Any comments?
>
>Thanks & 73,
>Bill
>K1FPV
>
>
>
>------------------------------------
>
>
>Yahoo! Groups Links
>
>
>

5400. Re: [orion565] Question regarding the 2.041XT Beta upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-21 20:30:16 UTC
From: Fotis SV8ING
Topic: 5398 Message: 5400

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hello The red screen is still there...among the other issues... 73 Fotis SV8ING GREECE ... Από: k1fpv Θέμα: [orion565] Question

5401. Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-24 18:06:03 UTC
From: k1fpv
Topic: 5401 Message: 5401

Well, looks like my Orion II is going back on the bench. A few moments ago, I tried to fire it up and noticed it acting weird. When it first boots up, it appears to receive OK. When I touch the VFO dial to change frequency, the RX seems to go numb. Also, it won't transmit. I'm willing to bet that it might be more caps on the power distribution board. I had problems when it was just over 1 year old with bad caps there causing weird things.

Anyone else have this similar problem?

Bill
K1FPV

5402. RE: [orion565] Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-24 18:47:03 UTC
From: John Hudson
Topic: 5401 Message: 5402

Bill I'm waiting on the caps from TT to get here as I type this.. my O1 started with power switch was randomly not shutting the rig down, had to turn the PS off. Then the display started acting up, graphics from 1 menu screen would carry to another screen, then the display would be blank at power up and then the text would SLOWLY appear (30-45 seconds), THEN the rig would not tx 100watts and it would shut down and reboot every time I transmitted THEN finally it would not power up at all.other than the power switch, all those symptoms happened within the last 1-2 weeks before shutting down. Found out about the PDB caps from Hank K7HP and Ron K6IE info and C6 is bulging like their descriptions and now I'm waiting to replace the caps..

Good luck and I hope mine is just the caps!!

73

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of k1fpv
Sent: Friday, July 24, 2009 1:06 PM
To: orion565@yahoogroups.com
Subject: [orion565] Problem

Well, looks like my Orion II is going back on the bench. A few moments ago, I tried to fire it up and noticed it acting weird. When it first boots up, it appears to receive OK. When I touch the VFO dial to change frequency, the RX seems to go numb. Also, it won't transmit. I'm willing to bet that it might be more caps on the power distribution board. I had problems when it was just over 1 year old with bad caps there causing weird things.

Anyone else have this similar problem?

Bill
K1FPV

[Non-text portions of this message have been removed]

5403. Re: Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-24 19:32:10 UTC
From: k1fpv
Topic: 5401 Message: 5403

Hi John,

Well I'm guessing that I have more caps bad on mine. When the radio was a little over 1 year old, I had an intermittent problem with it similar to yours, even though mine is an Orion II. When I put it on the bench, the +5 volt line had lots of garbage on it when I looked at it with my scope. My ESR meter confirmed the cap was bad. While I was there I saw a couple other caps bulging a bit so I replaced them. I replaced them with caps of equal value, equal voltage rating and temp. ratings of 105°c. A couple of the caps were 85 degree caps.

I'm just finishing up stabilizing a 430MHz. amp for my ATV setup and then will be putting the Orion II on the bench. I'll keep ya posted how things work out.

73,
Bill

--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
>
> Bill I'm waiting on the caps from TT to get here as I type this.. my O1
> started with power switch was randomly not shutting the rig down, had to
> turn the PS off. Then the display started acting up, graphics from 1 menu
> screen would carry to another screen, then the display would be blank at
> power up and then the text would SLOWLY appear (30-45 seconds), THEN the rig
> would not tx 100watts and it would shut down and reboot every time I
> transmitted THEN finally it would not power up at all.other than the power
> switch, all those symptoms happened within the last 1-2 weeks before
> shutting down. Found out about the PDB caps from Hank K7HP and Ron K6IE info
> and C6 is bulging like their descriptions and now I'm waiting to replace the
> caps..
>
>
>
> Good luck and I hope mine is just the caps!!
>
>
>
> 73
>
> John
>
> KO4XJ
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of k1fpv

> Sent: Friday, July 24, 2009 1:06 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Problem
>
>
>
>
>
> Well, looks like my Orion II is going back on the bench. A few moments ago,
> I tried to fire it up and noticed it acting weird. When it first boots up,
> it appears to receive OK. When I touch the VFO dial to change frequency, the
> RX seems to go numb. Also, it won't transmit. I'm willing to bet that it
> might be more caps on the power distribution board. I had problems when it
> was just over 1 year old with bad caps there causing weird things.
>
> Anyone else have this similar problem?
>
> Bill
> K1FPV
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

5404. Orion I - LCD flicker and audio bubbles

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-25 05:27:14 UTC
From: it9yhr
Topic: 5404 Message: 5404

Hi, I have an Orion I from about 2 week and I have two question:

1) I have noted that in the first minutes of warmup the audio bubbles, after than this problem disappear.

2) The LCd screen during software loading flicker, after than became fixed without any problem.

Are this problem normal ? Is a characteristic of the Orion or is it a defect of my rig ?

many thanks.

Alex IT9YHR

5405. Re: Orion I - LCD flicker and audio bubbles

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-25 09:31:09 UTC
From: pa1ap
Topic: 5404 Message: 5405

Greetings,

Which firmware are you running right now? To check press the menu button for 5 seconds or so while the rig is working... You should see the firmware number in the screen then. The LCD control routine is a bit different for some versions. If you share I can up/downgrade my unit and report back on what I see.

On the audio bubble issue... No I have not seen that before. Perhaps there are others who can advice. Sounds to me as if you have a electic capacitor which is leaking and hence it takes more time to bring it up to spec... Send an email to ten-tec, they might be able to advice.

Best regards,
Onno pa1ap

5406. S Meter

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-25 09:43:35 UTC
From: Rob - G4LMW
Topic: 3761 Message: 5406

This has been niggling me for a while but I'm finally gonna ask.

I have an O1 v1.372

My S-meter on receive sits permanently on S1 with no signal on RX (RF Gain is at max). Surely it should sit at zero?

73, Rob
G4LMW
http://www.G4LMW.co.uk

5407. Re: [orion565] Re: Orion I - LCD flicker and audio bubbles

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-25 09:50:30 UTC
From: Alex
Topic: 5404 Message: 5407

Dear Onno,

many thanks for very interesting info, my firmware version is 2.062a.

About bubbles, yes I think too, will be a capacitor problem. I write
to tentec technical service.

I will report you what information will give me.

Many thanks,

Alex IT9YHR

Il giorno 25/lug/09, alle ore 11:31, pa1ap ha scritto:

> Greetings,
>
> Which firmware are you running right now? To check press the menu
> button for 5 seconds or so while the rig is working... You should
> see the firmware number in the screen then. The LCD control routine
> is a bit different for some versions. If you share I can up/
> downgrade my unit and report back on what I see.
>
> On the audio bubble issue... No I have not seen that before. Perhaps
> there are others who can advice. Sounds to me as if you have a
> electic capacitor which is leaking and hence it takes more time to
> bring it up to spec... Send an email to ten-tec, they might be able
> to advice.
>
> Best regards,
> Onno pa1ap
>
>
>

[Non-text portions of this message have been removed]

5408. Re: Orion I - LCD flicker and audio bubbles

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-25 10:01:56 UTC
From: pa1ap
Topic: 5404 Message: 5408

Hello Alex,

Most likely the contrast potentiometer is still set to match the release 1 firmware setting. When you are running the orion do you adjust the contrast through the menu? And if so, is it different from 50% (default) setting?

Here is what I noticed; during the boot sequence the contrast is starting at 50% (default) and then reverts to whatever value you have set in the menu. In case the contrast setting in the menu is for example 65% to achieve a good sharp image you will see during boot sequence the following; Switch on, darker screen, system loading, then a blink and orion is operational at lighter screen.

In case you are tuning the contrast through the menu to something else then 50% I would recommend you to adjust the contrast potentiometer. The contrast potentiometer is below the VFO A dial and can be reached through small hole at the bottom. Carefully adjust the contrast without pushing to hard against the potentiometer. If you push to hard you break it and you have to replace the potentiometer (that happend to me....)

Contrast should be set after warm-up of 20 minutes or so. menu setting should be a 50% and then you adjust for perfect image. After that the boot sequence should remain (almost) equal.

Let me know how this goes. p.s. for excellent sound try 2.056 firmware.

Best regards,
Onno

--- In orion565@yahoogroups.com, Alex <alexmastro58@...> wrote:
>
> Dear Onno,
>
> many thanks for very interesting info, my firmware version is 2.062a.
>
> About bubbles, yes I think too, will be a capacitor problem. I write
> to tentec technical service.
>
> I will report you what information will give me.
>
> Many thanks,
>
> Alex IT9YHR
>
>
> Il giorno 25/lug/09, alle ore 11:31, pa1ap ha scritto:
>
> > Greetings,
> >

> > Which firmware are you running right now? To check press the menu
> > button for 5 seconds or so while the rig is working... You should
> > see the firmware number in the screen then. The LCD control routine
> > is a bit different for some versions. If you share I can up/
> > downgrade my unit and report back on what I see.
> >
> > On the audio bubble issue... No I have not seen that before. Perhaps
> > there are others who can advice. Sounds to me as if you have a
> > electic capacitor which is leaking and hence it takes more time to
> > bring it up to spec... Send an email to ten-tec, they might be able
> > to advice.
> >
> > Best regards,
> > Onno pa1ap
> >
> >
> >
>
>
>
> [Non-text portions of this message have been removed]
>

5409. Re: [orion565] Re: Orion I - LCD flicker and audio bubbles

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-25 10:28:05 UTC
From: Alex
Topic: 5404 Message: 5409

Fine, I have adjust the trimmer, much better now, but a little flicker
for few seconds still remain, but it is not a great problem, only two
second and then the image is perfect also during the sturtup.

Before the trimmer adjustment, the menu contrast was 58 %, now 50 %
all the time.

TNX Alex

Il giorno 25/lug/09, alle ore 12:01, pa1ap ha scritto:

> Hello Alex,
>
> Most likely the contrast potentiometer is still set to match the
> release 1 firmware setting. When you are running the orion do you
> adjust the contrast through the menu? And if so, is it different
> from 50% (default) setting?
>
> Here is what I noticed; during the boot sequence the contrast is
> starting at 50% (default) and then reverts to whatever value you
> have set in the menu. In case the contrast setting in the menu is
> for example 65% to achieve a good sharp image you will see during
> boot sequence the following; Switch on, darker screen, system
> loading, then a blink and orion is operational at lighter screen.
>
> In case you are tuning the contrast through the menu to something
> else then 50% I would recommend you to adjust the contrast
> potentiometer. The contrast potentiometer is below the VFO A dial
> and can be reached through small hole at the bottom. Carefully
> adjust the contrast without pushing to hard against the
> potentiometer. If you push to hard you break it and you have to
> replace the potentiometer (that happend to me....)
>
> Contrast should be set after warm-up of 20 minutes or so. menu
> setting should be a 50% and then you adjust for perfect image. After
> that the boot sequence should remain (almost) equal.
>
> Let me know how this goes. p.s. for excellent sound try 2.056
> firmware.
>
> Best regards,
> Onno
>
> --- In orion565@yahoogroups.com, Alex <alexmastro58@...> wrote:
> >
> > Dear Onno,

> >
> > many thanks for very interesting info, my firmware version is
> 2.062a.
> >
> > About bubbles, yes I think too, will be a capacitor problem. I write
> > to tentec technical service.
> >
> > I will report you what information will give me.
> >
> > Many thanks,
> >
> > Alex IT9YHR
> >
> >
> > Il giorno 25/lug/09, alle ore 11:31, pa1ap ha scritto:
> >
> > > Greetings,
> > >
> > > Which firmware are you running right now? To check press the menu
> > > button for 5 seconds or so while the rig is working... You should
> > > see the firmware number in the screen then. The LCD control
> routine
> > > is a bit different for some versions. If you share I can up/
> > > downgrade my unit and report back on what I see.
> > >
> > > On the audio bubble issue... No I have not seen that before.
> Perhaps
> > > there are others who can advice. Sounds to me as if you have a
> > > electic capacitor which is leaking and hence it takes more time to
> > > bring it up to spec... Send an email to ten-tec, they might be
> able
> > > to advice.
> > >
> > > Best regards,
> > > Onno pa1ap
> > >
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> >
> > [Non-text portions of this message have been removed]
> >
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>

[Non-text portions of this message have been removed]

5410. Re: Orion I - LCD flicker and audio bubbles

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-25 10:39:41 UTC
From: pa1ap
Topic: 5404 Message: 5410

Believe this is normal Alex. Right after power on I see the contrast modulating the screen for 1 or 2 seconds. Then it goes in stable mode and continues to boot the system.

enjoy the rig, best regards, Onno pa1ap

--- In orion565@yahoogroups.com, Alex <alexmastro58@...> wrote:
>
> Fine, I have adjust the trimmer, much better now, but a little flicker
> for few seconds still remain, but it is not a great problem, only two
> second and then the image is perfect also during the sturtup.
>
> Before the trimmer adjustment, the menu contrast was 58 %, now 50 %
> all the time.
>
> TNX Alex
>
>
> Il giorno 25/lug/09, alle ore 12:01, pa1ap ha scritto:
>
> > Hello Alex,
> >
> > Most likely the contrast potentiometer is still set to match the
> > release 1 firmware setting. When you are running the orion do you
> > adjust the contrast through the menu? And if so, is it different
> > from 50% (default) setting?
> >
> > Here is what I noticed; during the boot sequence the contrast is
> > starting at 50% (default) and then reverts to whatever value you
> > have set in the menu. In case the contrast setting in the menu is
> > for example 65% to achieve a good sharp image you will see during
> > boot sequence the following; Switch on, darker screen, system
> > loading, then a blink and orion is operational at lighter screen.
> >
> > In case you are tuning the contrast through the menu to something
> > else then 50% I would recommend you to adjust the contrast
> > potentiometer. The contrast potentiometer is below the VFO A dial
> > and can be reached through small hole at the bottom. Carefully
> > adjust the contrast without pushing to hard against the
> > potentiometer. If you push to hard you break it and you have to
> > replace the potentiometer (that happend to me....)
> >
> > Contrast should be set after warm-up of 20 minutes or so. menu
> > setting should be a 50% and then you adjust for perfect image. After
> > that the boot sequence should remain (almost) equal.
> >

> > Let me know how this goes. p.s. for excellent sound try 2.056
> > firmware.
> >
> > Best regards,
> > Onno
> >
> > --- In orion565@yahoogroups.com, Alex <alexmastro58@> wrote:
> > >
> > > Dear Onno,
> > >
> > > many thanks for very interesting info, my firmware version is
> > 2.062a.
> > >
> > > About bubbles, yes I think too, will be a capacitor problem. I write
> > > to tentec technical service.
> > >
> > > I will report you what information will give me.
> > >
> > > Many thanks,
> > >
> > > Alex IT9YHR
> > >
> > >
> > > Il giorno 25/lug/09, alle ore 11:31, pa1ap ha scritto:
> > >
> > > > Greetings,
> > > >
> > > > Which firmware are you running right now? To check press the menu
> > > > button for 5 seconds or so while the rig is working... You should
> > > > see the firmware number in the screen then. The LCD control
> > routine
> > > > is a bit different for some versions. If you share I can up/
> > > > downgrade my unit and report back on what I see.
> > > >
> > > > On the audio bubble issue... No I have not seen that before.
> > Perhaps
> > > > there are others who can advice. Sounds to me as if you have a
> > > > electic capacitor which is leaking and hence it takes more time to
> > > > bring it up to spec... Send an email to ten-tec, they might be
> > able
> > > > to advice.
> > > >
> > > > Best regards,
> > > > Onno pa1ap
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> > > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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5411. Re: [orion565] Re: Orion I - LCD flicker and audio bubbles

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-25 10:47:54 UTC
From: Alex
Topic: 5404 Message: 5411

Yes the same ... the contrast modulating the screen for about two
second, so I think that is normal.

Many thanks in did for all information and assistence (in real time).

The radio is very good in did ! And I am very happy for this new rig.

Now i put off all my station and I go to the sea for some days. The
temperature in Sicily are anormal up 40 ° !

Have a nice summer.

Ciao Alex IT9YHR

PS where I can download the 2.056 firmware version ?

Il giorno 25/lug/09, alle ore 12:39, pa1ap ha scritto:

> Believe this is normal Alex. Right after power on I see the contrast
> modulating the screen for 1 or 2 seconds. Then it goes in stable
> mode and continues to boot the system.
>
> enjoy the rig, best regards, Onno pa1ap
>
> --- In orion565@yahoogroups.com, Alex <alexmastro58@...> wrote:
> >
> > Fine, I have adjust the trimmer, much better now, but a little
> flicker
> > for few seconds still remain, but it is not a great problem, only
> two
> > second and then the image is perfect also during the sturtup.
> >
> > Before the trimmer adjustment, the menu contrast was 58 %, now 50 %
> > all the time.
> >
> > TNX Alex
> >
> >
> > Il giorno 25/lug/09, alle ore 12:01, pa1ap ha scritto:
> >
> > > Hello Alex,
> > >
> > > Most likely the contrast potentiometer is still set to match the
> > > release 1 firmware setting. When you are running the orion do you
> > > adjust the contrast through the menu? And if so, is it different
> > > from 50% (default) setting?
> > >

> > > Here is what I noticed; during the boot sequence the contrast is
> > > starting at 50% (default) and then reverts to whatever value you
> > > have set in the menu. In case the contrast setting in the menu is
> > > for example 65% to achieve a good sharp image you will see during
> > > boot sequence the following; Switch on, darker screen, system
> > > loading, then a blink and orion is operational at lighter screen.
> > >
> > > In case you are tuning the contrast through the menu to something
> > > else then 50% I would recommend you to adjust the contrast
> > > potentiometer. The contrast potentiometer is below the VFO A dial
> > > and can be reached through small hole at the bottom. Carefully
> > > adjust the contrast without pushing to hard against the
> > > potentiometer. If you push to hard you break it and you have to
> > > replace the potentiometer (that happend to me....)
> > >
> > > Contrast should be set after warm-up of 20 minutes or so. menu
> > > setting should be a 50% and then you adjust for perfect image.
> After
> > > that the boot sequence should remain (almost) equal.
> > >
> > > Let me know how this goes. p.s. for excellent sound try 2.056
> > > firmware.
> > >
> > > Best regards,
> > > Onno
> > >
> > > --- In orion565@yahoogroups.com, Alex <alexmastro58@> wrote:
> > > >
> > > > Dear Onno,
> > > >
> > > > many thanks for very interesting info, my firmware version is
> > > 2.062a.
> > > >
> > > > About bubbles, yes I think too, will be a capacitor problem. I
> write
> > > > to tentec technical service.
> > > >
> > > > I will report you what information will give me.
> > > >
> > > > Many thanks,
> > > >
> > > > Alex IT9YHR
> > > >
> > > >
> > > > Il giorno 25/lug/09, alle ore 11:31, pa1ap ha scritto:
> > > >
> > > > > Greetings,
> > > > >
> > > > > Which firmware are you running right now? To check press the
> menu

> > > > > button for 5 seconds or so while the rig is working... You
> should
> > > > > see the firmware number in the screen then. The LCD control
> > > routine
> > > > > is a bit different for some versions. If you share I can up/
> > > > > downgrade my unit and report back on what I see.
> > > > >
> > > > > On the audio bubble issue... No I have not seen that before.
> > > Perhaps
> > > > > there are others who can advice. Sounds to me as if you have a
> > > > > electic capacitor which is leaking and hence it takes more
> time to
> > > > > bring it up to spec... Send an email to ten-tec, they might be
> > > able
> > > > > to advice.
> > > > >
> > > > > Best regards,
> > > > > Onno pa1ap
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> > > > [Non-text portions of this message have been removed]
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5412. RE: [orion565] S Meter

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-25 15:04:37 UTC
From: Duane Calvin
Topic: 3761 Message: 5412

Nope, S1 is where it sits. Don't ask me why!

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Rob - G4LMW
Sent: Saturday, July 25, 2009 4:44 AM
To: orion565@yahoogroups.com
Subject: [orion565] S Meter

This has been niggling me for a while but I'm finally gonna ask.

I have an O1 v1.372

My S-meter on receive sits permanently on S1 with no signal on RX (RF Gain is at max). Surely it should sit at zero?

73, Rob
G4LMW
http://www.G4LMW.co.uk

Yahoo! Groups Links

5413. Re: [orion565] S Meter

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-25 15:38:32 UTC
From: Martin Ewing
Topic: 3761 Message: 5413

Galactic background radiation.

On Sat, Jul 25, 2009 at 11:04 AM, Duane Calvin<ac5aa1@...> wrote:
> Nope, S1 is where it sits. Don't ask me why!
>
>   73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Rob - G4LMW
> Sent: Saturday, July 25, 2009 4:44 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] S Meter
>
> This has been niggling me for a while but I'm finally gonna ask.
>
> I have an O1 v1.372
>
> My S-meter on receive sits permanently on S1 with no signal on RX (RF Gain
> is at max). Surely it should sit at zero?
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
>
>
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> Yahoo! Groups Links
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> Yahoo! Groups Links
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5414. Re: Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-26 04:01:48 UTC
From: Matt
Topic: 5401 Message: 5414

My O2 was doing the same unnormal crap , so I just ordered an A9 board , and I'll recap the old board with better caps. Mouser 140-esrl50v470-rc. They are a buck thirty-five each.
Matt

5415. FR: a>b / b>a mode copy function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-26 08:42:08 UTC
From: pa1ap
Topic: 5415 Message: 5415

Greetings,

Working split is great until you realize the mode is different on the second receiver.

I wonder if you can comment on the following feature request I would like to share with ten-tec;

after pushing the "mode" button, followed by A>B, the "mode" setting of A gets copied to B.... B>a does the reverse.

Now include bandwidth as well and you would be ready to go.

Any comments, advice?

Thanks and best regards, Onno pa1ap

5416. Re: [orion565] FR: a>b / b>a mode copy function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-27 05:12:23 UTC
From: N9ETD@AOL.COM
Topic: 5415 Message: 5416

Onno,
I think by your explaination that you're trying to change the mode, BW, etc; in the sub band or B VFO.. You should be able to do that quickly by pushing the sub button above and between the 2 vfo tuning knobs and then changing the mode, BW, etc; on the B VFO..

73, Craig N9ETD
**********An Excellent Credit Score is 750. See Yours in Just 2 Easy Steps!
(http://pr.atwola.com/promoclk/100126575x1221823322x1201398723/aol?redir=http://www.freecreditreport.com/pm/default.aspx?sc=668072&hmpgID=62&bcd=JulyExcfooterNO62)

[Non-text portions of this message have been removed]

5417. Re: FR: a>b / b>a mode copy function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-27 05:44:17 UTC
From: pa1ap
Topic: 5415 Message: 5417

Yes indeed and agreed what you describe is one way of doing it.

Push VFO B, push mode, push LSB, turn BW encoder and push VFO A again. Each step with some patience due to control respons time.

Or

Push Mode, push A>B. Done. Kind of a shortcut.

To me it would be a worthwhile enhancement.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, N9ETD@... wrote:
>
> Onno,
> I think by your explaination that you're trying to change the mode, BW,
> etc; in the sub band or B VFO.. You should be able to do that quickly by
> pushing the sub button above and between the 2 vfo tuning knobs and then
> changing the mode, BW, etc; on the B VFO..
>
>
> 73, Craig N9ETD
> **********An Excellent Credit Score is 750. See Yours in Just 2 Easy
> Steps!
> (http://pr.atwola.com/promoclk/100126575x1221823322x1201398723/aol?redir=http://www.freecreditreport.com/pm/default.aspx?sc=668072&hmpgID=62&bcd=Jul
> yExcfooterNO62)
>
>
> [Non-text portions of this message have been removed]
>

5418. Re: [orion565] Re: FR: a>b / b>a mode copy function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-27 11:42:18 UTC
From: Barry N1EU
Topic: 5415 Message: 5418

On Mon, Jul 27, 2009 at 5:44 AM, pa1ap<pa1ap@...> wrote:
>
> Push Mode, push A>B. Done. Kind of a shortcut.
>
> To me it would be a worthwhile enhancement.
>

FWIW, this was an early request (5 years ago?) that came out of the original Orion beta group that was never implemented.

73,
Barry N1EU

5419. Re: [orion565] Re: FR: a>b / b>a mode copy function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-27 11:48:55 UTC
From: Rob - G4LMW
Topic: 5415 Message: 5419

I'd settle for A>B transferring ALL the settings from A to B rather than
just the frequency.

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Barry N1EU" <barry.n1eu@...>
To: <orion565@yahoogroups.com>
Sent: Monday, July 27, 2009 12:42 PM
Subject: Re: [orion565] Re: FR: a>b / b>a mode copy function

> On Mon, Jul 27, 2009 at 5:44 AM, pa1ap<pa1ap@...> wrote:
>>
>> Push Mode, push A>B. Done. Kind of a shortcut.
>>
>> To me it would be a worthwhile enhancement.
>>
>
> FWIW, this was an early request (5 years ago?) that came out of the
> original Orion beta group that was never implemented.
>
> 73,
> Barry N1EU
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>

5420. Re: [orion565] Re: FR: a>b / b>a mode copy function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-27 12:25:15 UTC
From: Barry N1EU
Topic: 5415 Message: 5420

On Mon, Jul 27, 2009 at 11:48 AM, Rob - G4LMW<G4LMW@...> wrote:
>
>
> I'd settle for A>B transferring ALL the settings from A to B rather than
> just the frequency.
>

The original request included optional transfer of mode/BW/AGC/PBT and
the request was made several times throughout 2004.

73,
Barry N1EU

5421. Orion Battery Powered

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-27 15:47:05 UTC
From: Rob - G4LMW
Topic: 5421 Message: 5421

Given the Orion's need for a supply voltage in excess of 12V, does anyone have any cunning method of powering the radio for the field using batteries?

I concede that I have asked this question before, but in a slightly different way!

73, Rob
G4LMW
http://www.G4LMW.co.uk

5422. RE: [orion565] Orion Battery Powered

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-27 15:55:51 UTC
From: Andrew B. Steen
Topic: 5421 Message: 5422

Rob, most batteries and 12VDC supplies run at 13.8VDC. Getting down to 12V on a battery means it is nearing depletion. The Orion should run fine on batteries as long as the current reserve is sufficient.

73, Andrew

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Rob - G4LMW
Sent: Monday, July 27, 2009 8:47 AM
To: orion565@yahoogroups.com
Subject: [orion565] Orion Battery Powered

Given the Orion's need for a supply voltage in excess of 12V, does anyone have any cunning method of powering the radio for the field using batteries?

I concede that I have asked this question before, but in a slightly different way!

73, Rob
G4LMW
http://www.G4LMW. <http://www.G4LMW.co.uk> co.uk

[Non-text portions of this message have been removed]

5423. Re: [orion565] Orion Battery Powered

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-27 16:09:06 UTC
From: Rob - G4LMW
Topic: 5421 Message: 5423

Hi Andrew

Gel batteries are 12V or possibly a little more (I have held some up to a charge of 12.5V), but nowhere near 13.8 (or even the 12.8 minimum that the Orion needs). Yes, AC powered DC supplies are indeed 13.8V. 12V batteries charge at 13.8V but a standard Lead/Acid cell is 1.5v and a 12V battery "pack" is simply 8 in series.

Now, if someone made a sealed lead/acid with 9 cells I'd be happy.

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Andrew B. Steen" <n2gff@...>
To: <orion565@yahoogroups.com>
Sent: Monday, July 27, 2009 4:55 PM
Subject: RE: [orion565] Orion Battery Powered

> Rob, most batteries and 12VDC supplies run at 13.8VDC. Getting down to
> 12V
> on a battery means it is nearing depletion. The Orion should run fine on
> batteries as long as the current reserve is sufficient.
>
> 73, Andrew
>
>
>
> -----
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Rob - G4LMW
> Sent: Monday, July 27, 2009 8:47 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Orion Battery Powered
>
>
>
>
>
> Given the Orion's need for a supply voltage in excess of 12V, does anyone
> have any cunning method of powering the radio for the field using
> batteries?
>
> I concede that I have asked this question before, but in a slightly

> different way!
>
> 73, Rob
> G4LMW
> http://www.G4LMW. <http://www.G4LMW.co.uk> co.uk
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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5424. RE: [orion565] Orion Battery Powered

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-27 16:34:50 UTC
From: John T. Fleming
Topic: 5421 Message: 5424

Rob,

I don't know if you can get them or not, but I live in a golf cart community. (78,000 people and 20,000 golf carts.) Many of the carts use 8 volt batteries. It would give you 16 volts. I am not home now to look at the specs for the Orion, but 16 volts may be useable.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Rob - G4LMW
Sent: Monday, July 27, 2009 11:47 AM
To: orion565@yahoogroups.com
Subject: [orion565] Orion Battery Powered

Given the Orion's need for a supply voltage in excess of 12V, does anyone have any cunning method of powering the radio for the field using batteries?

I concede that I have asked this question before, but in a slightly different way!

73, Rob
G4LMW
http://www.G4LMW. <http://www.G4LMW.co.uk> co.uk

[Non-text portions of this message have been removed]

5425. Re: [orion565] Orion Battery Powered

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-27 16:44:42 UTC
From: Rob - G4LMW
Topic: 5421 Message: 5425

Thanks John

The specs state "12.8 to 15v"

:-((

I could always feed the Orion with a 100 foot cable. Expect I'd lose about
1v !!

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "John T. Fleming" <john@...>
To: <orion565@yahoogroups.com>
Sent: Monday, July 27, 2009 5:34 PM
Subject: RE: [orion565] Orion Battery Powered

> Rob,
>
>
>
> I don't know if you can get them or not, but I live in a golf cart
> community. (78,000 people and 20,000 golf carts.) Many of the carts use 8
> volt batteries. It would give you 16 volts. I am not home now to look at
> the
> specs for the Orion, but 16 volts may be useable.
>
>
>
> 73,
>
> John
>
>
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Rob - G4LMW
> Sent: Monday, July 27, 2009 11:47 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Orion Battery Powered
>
>

>
>
>
> Given the Orion's need for a supply voltage in excess of 12V, does anyone
> have any cunning method of powering the radio for the field using
> batteries?
>
> I concede that I have asked this question before, but in a slightly
> different way!
>
> 73, Rob
> G4LMW
> http://www.G4LMW. <http://www.G4LMW.co.uk> co.uk
>
>
>
> [Non-text portions of this message have been removed]
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>
> Yahoo! Groups Links
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5426. RE: [orion565] Orion Battery Powered

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-27 17:13:37 UTC
From: John T. Fleming
Topic: 5421 Message: 5426

Rob,

Use a 6 and an 8 volt battery. But then you would need to different chargers. :-{

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Rob - G4LMW
Sent: Monday, July 27, 2009 12:45 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion Battery Powered

Thanks John

The specs state "12.8 to 15v"

:-((

I could always feed the Orion with a 100 foot cable. Expect I'd lose about 1v !!

73, Rob
G4LMW
http://www.G4LMW. <http://www.G4LMW.co.uk> co.uk

----- Original Message -----
From: "John T. Fleming" <john@... <mailto:john%40w3gqj.net> >
To: <orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com>
Sent: Monday, July 27, 2009 5:34 PM
Subject: RE: [orion565] Orion Battery Powered

> Rob,
>
>
>
> I don't know if you can get them or not, but I live in a golf cart
> community. (78,000 people and 20,000 golf carts.) Many of the carts use 8
> volt batteries. It would give you 16 volts. I am not home now to look at
> the
> specs for the Orion, but 16 volts may be useable.
>
>
>

> 73,
>
> John
>
>
>
> _____
>
> From: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
[mailto:orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com] On
Behalf
> Of Rob - G4LMW
> Sent: Monday, July 27, 2009 11:47 AM
> To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> Subject: [orion565] Orion Battery Powered
>
>
>
>
>
> Given the Orion's need for a supply voltage in excess of 12V, does anyone
> have any cunning method of powering the radio for the field using
> batteries?
>
> I concede that I have asked this question before, but in a slightly
> different way!
>
> 73, Rob
> G4LMW
> http://www.G4LMW. <http://www.G4LMW. <http://www.G4LMW.co.uk> co.uk> co.uk
>
>
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

5427. Re: FR: a>b / b>a mode copy function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-27 18:03:11 UTC
From: pa1ap
Topic: 5415 Message: 5427

Hello Barry,

Good to hear from you. I will send a request and perhaps they will implement this someday... Thanks and best regards, Onno pa1ap

5428. Re: FR: a>b / b>a mode copy function

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-27 18:09:32 UTC
From: pa1ap
Topic: 5415 Message: 5428

Thats also an interesting idea. Whenever you push A>B you copy the whole lot. In essence RX B becomes a clone. The only draw back is that you can not choose to do so, it will always happen.

With the 2 step/button approach one can choose.

Button A>B = just frequency.
Button mode, button A>B = clone RX A to RX B [agc, bw, passband etc]

I will send a request to ten-tec. Lets see!

best regards,
Onno

--- In orion565@yahoogroups.com, "Rob - G4LMW" <G4LMW@...> wrote:
>
> I'd settle for A>B transferring ALL the settings from A to B rather than
> just the frequency.
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
>
>
>
> ----- Original Message -----
> From: "Barry N1EU" <barry.n1eu@...>
> To: <orion565@yahoogroups.com>
> Sent: Monday, July 27, 2009 12:42 PM
> Subject: Re: [orion565] Re: FR: a>b / b>a mode copy function
>
>
> > On Mon, Jul 27, 2009 at 5:44 AM, pa1ap<pa1ap@...> wrote:
> >>
> >> Push Mode, push A>B. Done. Kind of a shortcut.
> >>
> >> To me it would be a worthwhile enhancement.
> >>
> >
> > FWIW, this was an early request (5 years ago?) that came out of the
> > original Orion beta group that was never implemented.
> >
> > 73,
> > Barry N1EU
> >
> >

> > ------------------------------------
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> > Yahoo! Groups Links
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>

5429. For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-28 19:08:09 UTC
From: Don
Topic: 159 Message: 5429

Hello Guys,
I have an Orion II 566 forsale. It's in like new condition with all functions working. It has been in a nonsmoking environment. I am asking $3100 which includes shipping and insurance to conus.
If you are interested please contact me at wb4don@... or call me at 919 341 1021.

[Non-text portions of this message have been removed]

5430. For Sale As new Ten-Tec Desk Mic's

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-29 01:31:35 UTC
From: n8lpq
Topic: 5430 Message: 5430

FS TEN-TEC Desk MICs
I have Two(2) TEN-TEC Desk Mics.
TT-706 like new 4 pin $58 Shipped
TT-705 Like new 4 pin $67 Shipped (ONE LEFT)
Always open for trades. Thanks
Ed N8LPQ

5431. For Sale As new Ten-Tec Desk Mic's

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-29 01:34:49 UTC
From: n8lpq
Topic: 5430 Message: 5431

FS TEN-TEC Desk MICs
I have Two(2) TEN-TEC Desk Mics.
TT-706 like new 4 pin $58 Shipped
TT-705 Like new 4 pin $67 Shipped (ONE LEFT)
Always open for trades. Thanks
Ed N8LPQ

5432. Re: [orion565] For Sale As new Ten-Tec Desk Mic's

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-29 04:32:00 UTC
From: chris ramsay
Topic: 5430 Message: 5432

hi i'll take the 4 pin model please sennnd to lee n8tmf. let me know where to send a checkyou. thanks. chris ramsay n4ye
----- Original Message -----
From: n8lpq
To: orion565@yahoogroups.com
Sent: Tuesday, July 28, 2009 9:34 PM
Subject: [orion565] For Sale As new Ten-Tec Desk Mic's

FS TEN-TEC Desk MICs
I have Two(2) TEN-TEC Desk Mics.
TT-706 like new 4 pin $58 Shipped
TT-705 Like new 4 pin $67 Shipped (ONE LEFT)
Always open for trades. Thanks
Ed N8LPQ

[Non-text portions of this message have been removed]

5433. Re: Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-29 18:47:31 UTC
From: k1fpv
Topic: 5401 Message: 5433

Hi Matt,

Well, I just heard from Ten-Tec and they are now using special low ESR caps for C6 & C7. With that board being where it is, I bet a lot of problems of bad caps may be due to heat buildup. I often turn my Orion II on in the morning and turn it off at night. I operate at various times during the day over a span of roughly 12 hours.

So far I can't complain with any of my Ten-Tec equipment. The only other Ten-Tec rig of mine I've had to fix is my 526 (6N2). It had an intermittent trimmer on the synthesizer board. I've also got a Jupiter, Argo V, and just bought a used Omni VII. I also have a 238B tuner and the new speech processor. Only complain on the speech processor is I wish the Pass Band could go a little lower in frequency. But, I really can't complain as I get good reports with it.

73,
Bill
K1FPV

--- In orion565@yahoogroups.com, "Matt" <sniffitout@...> wrote:
>
> My O2 was doing the same unnormal crap , so I just ordered an A9 board ,
> and I'll recap the old board with better caps. Mouser 140-esrl50v470-rc.
> They are a buck thirty-five each.
> Matt
>

5434. Re: Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-31 22:29:33 UTC
From: Matt
Topic: 5401 Message: 5434

Hey Bill:
Thanks for the reply Bill. The A9 replacement went well. The caps on the new board are twice as large as the caps on the old board.
The fix was simple. The hardest part was finding a #10 torx driver in my tool box. The fix took twenty minutes or so. The cost of the board was $48.25 shipped. I do have a 2nd class radio telephone license , but I fill if a person has the ability to unscrew 14 screws and plug a lamp into a wall socket , they can replace an A9 board.
I'm still planning to recap the old board , just to do it.
Matt KD3VJ

5435. Re: [orion565] Re: Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-07-31 23:23:55 UTC
From: jd_hudson@comcast.net
Topic: 5401 Message: 5435

Matt I just replaced the caps last week on the A9 & other than the torx getting the solder hot enough to use the solder wick so the holes would be clean was the most time consuming and that was not too long 30 more minutes

Glad its working

73
John
KO4XJ
www.w4nja.org/ko4xj.htm
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: "Matt" <sniffitout@...>

Date: Fri, 31 Jul 2009 22:29:33
To: <orion565@yahoogroups.com>
Subject: [orion565] Re: Problem

Hey Bill:
Thanks for the reply Bill. The A9 replacement went well. The caps on the new board are twice as large as the caps on the old board.
The fix was simple. The hardest part was finding a #10 torx driver in my tool box. The fix took twenty minutes or so. The cost of the board was $48.25 shipped. I do have a 2nd class radio telephone license , but I fill if a person has the ability to unscrew 14 screws and plug a lamp into a wall socket , they can replace an A9 board.
I'm still planning to recap the old board , just to do it.
Matt KD3VJ

[Non-text portions of this message have been removed]

5436. Re: [orion565] Re: Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-01 00:00:58 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 5401 Message: 5436

Matt, I have to laugh at the 2nd class FCC license. It's worth (almost) the paper it's printed on. When the FCC took away the license requirement on broadcast stations (and others) to have an FCC 1st class to be a Chief Engineer (CE) they really screwed everything up. I found my FCC 1st to be worthless !

What seems to work, if you are interested, is the Certified Electronic Technician (CET) license. You might want to read about it on the International Society of Certified Electronic Technician's (ISCET) website. I hold license #PA-291.

When I took the test it was equivalent to the old FCC first class where you actually had to draw circuits and insert or move components around to make the radio (or whatever) work.

The broadcast industry and others now recognize the CET paperwork.

73,
Sam
K3SAM

From: Matt <sniffitout@...>
To: orion565@yahoogroups.com
Sent: Friday, July 31, 2009 6:29:33 PM
Subject: [orion565] Re: Problem

Hey Bill:
Thanks for the reply Bill. The A9 replacement went well. The caps on the new board are twice as large as the caps on the old board.
The fix was simple. The hardest part was finding a #10 torx driver in my tool box. The fix took twenty minutes or so. The cost of the board was $48.25 shipped. I do have a 2nd class radio telephone license , but I fill if a person has the ability to unscrew 14 screws and plug a lamp into a wall socket , they can replace an A9 board.
I'm still planning to recap the old board , just to do it.
Matt KD3VJ

[Non-text portions of this message have been removed]

5437. Re: [orion565] Re: Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-01 00:27:25 UTC
From: James Streible
Topic: 5401 Message: 5437

Sam,

Brings back bad memories.
When I sent in my 1st Phone with Ships Radar endorsement
many years ago for renewal and received back that lousy little
"General Radio Telephone" I could have cried.
I got the 1st back in 1957 and held it for many years but, since
was not in Broadcasting any longer I didn't brother to get the CET
that was offered if we did it in a certain period of time as an exchange.
At lest I can say I "Held" a 1st for a long time.

73,

Jim K4DLI

Sam W. Jacobs, C.E.T. wrote:
>
>
> Matt, I have to laugh at the 2nd class FCC license. It's worth
> (almost) the paper it's printed on. When the FCC took away the license
> requirement on broadcast stations (and others) to have an FCC 1st
> class to be a Chief Engineer (CE) they really screwed everything up. I
> found my FCC 1st to be worthless !
>
> What seems to work, if you are interested, is the Certified Electronic
> Technician (CET) license. You might want to read about it on the
> International Society of Certified Electronic Technician's (ISCET)
> website. I hold license #PA-291.
>
> When I took the test it was equivalent to the old FCC first class
> where you actually had to draw circuits and insert or move components
> around to make the radio (or whatever) work.
>
> The broadcast industry and others now recognize the CET paperwork.
>
> 73,
> Sam
> K3SAM
>
> _____
> From: Matt <sniffitout@... <mailto:sniffitout%40yahoo.com>>
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Sent: Friday, July 31, 2009 6:29:33 PM
> Subject: [orion565] Re: Problem
>
> Hey Bill:

> Thanks for the reply Bill. The A9 replacement went well. The caps on
> the new board are twice as large as the caps on the old board.
> The fix was simple. The hardest part was finding a #10 torx driver in
> my tool box. The fix took twenty minutes or so. The cost of the board
> was $48.25 shipped. I do have a 2nd class radio telephone license ,
> but I fill if a person has the ability to unscrew 14 screws and plug a
> lamp into a wall socket , they can replace an A9 board.
> I'm still planning to recap the old board , just to do it.
> Matt KD3VJ
>
> [Non-text portions of this message have been removed]
>
>

5438. Re: Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-01 17:12:03 UTC
From: Matt
Topic: 5401 Message: 5438

Hey Guys:
I know the radio/telephone license is worthless now ,but it was just my way of saying... Hey ! I have a background in electronics, but if you can screw in a light bulb, you can replace an A9 board, you don't need any kind of electronic experience. That's all I was trying to say.
Heck, you can't even replace the wrong board , because there's only one board under there.

I never did renew the license,but it came in real handy during my thirty some years as an underground coalminer. Whenever something new would come in the mine,the managers picked me to test or operate the new & inovated equipment, be it electronic hearing protection ,four million dollar R&D tramvayer system or replacing boards & switches in the longwall control systems & wiring. In other words I did't use a pick & shovel much. Soooooo...it did come in handy.
Matt KD3VJ

5439. Re: [orion565] Re: Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-02 00:31:01 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 5401 Message: 5439

You mean you actually sent your 1st in for renewal ?

Ah Jim... you should have contacted me first, hihi! I would have told you to do exactly what I did, which was to tell the FCC that I lost my 1st in moving, HA! So I still have mine hanging on the wall next to the piece of crap they sent for a replacement (GROL).

- Sam
K3SAM

From: James Streible <k4dli@...>
To: orion565@yahoogroups.com
Sent: Friday, July 31, 2009 8:27:25 PM
Subject: Re: [orion565] Re: Problem

Sam,

Brings back bad memories.
When I sent in my 1st Phone with Ships Radar endorsement
many years ago for renewal and received back that lousy little
"General Radio Telephone" I could have cried.
I got the 1st back in 1957 and held it for many years but, since
was not in Broadcasting any longer I didn't brother to get the CET
that was offered if we did it in a certain period of time as an exchange.
At lest I can say I "Held" a 1st for a long time.

73,

Jim K4DLI

Sam W. Jacobs, C.E.T. wrote:
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>
> Matt, I have to laugh at the 2nd class FCC license. It's worth
> (almost) the paper it's printed on. When the FCC took away the license
> requirement on broadcast stations (and others) to have an FCC 1st
> class to be a Chief Engineer (CE) they really screwed everything up. I
> found my FCC 1st to be worthless !
>
> What seems to work, if you are interested, is the Certified Electronic
> Technician (CET) license. You might want to read about it on the
> International Society of Certified Electronic Technician's (ISCET)
> website. I hold license #PA-291.
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> When I took the test it was equivalent to the old FCC first class
> where you actually had to draw circuits and insert or move components
> around to make the radio (or whatever) work.

>
> The broadcast industry and others now recognize the CET paperwork.
>
> 73,
> Sam
> K3SAM
>
> _____ _____ _____ __
> From: Matt <sniffitout@yahoo. com <mailto:sniffitout% 40yahoo.com> >
> To: orion565@yahoogroup s.com <mailto:orion565% 40yahoogroups. com>
> Sent: Friday, July 31, 2009 6:29:33 PM
> Subject: [orion565] Re: Problem
>
> Hey Bill:
> Thanks for the reply Bill. The A9 replacement went well. The caps on
> the new board are twice as large as the caps on the old board.
> The fix was simple. The hardest part was finding a #10 torx driver in
> my tool box. The fix took twenty minutes or so. The cost of the board
> was $48.25 shipped. I do have a 2nd class radio telephone license ,
> but I fill if a person has the ability to unscrew 14 screws and plug a
> lamp into a wall socket , they can replace an A9 board.
> I'm still planning to recap the old board , just to do it.
> Matt KD3VJ
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

5440. Re: [orion565] Re: Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-02 03:12:37 UTC
From: James Streible
Topic: 5401 Message: 5440

Sam,

Yep---I sent it in.
I still have the canceled certificate and all the others from 1957 on
under it
hanging on the shack wall.
Just memories now.

Those were the days.

Jim K4DLI

Sam W. Jacobs, C.E.T. wrote:
>
>
> You mean you actually sent your 1st in for renewal ?
>
> Ah Jim... you should have contacted me first, hihi! I would have told
> you to do exactly what I did, which was to tell the FCC that I lost my
> 1st in moving, HA! So I still have mine hanging on the wall next to
> the piece of crap they sent for a replacement (GROL).
>
> - Sam
> K3SAM
>
> _____
> From: James Streible <k4dli@... <mailto:k4dli%40earthlink.net>>
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Sent: Friday, July 31, 2009 8:27:25 PM
> Subject: Re: [orion565] Re: Problem
>
> Sam,
>
> Brings back bad memories.
> When I sent in my 1st Phone with Ships Radar endorsement
> many years ago for renewal and received back that lousy little
> "General Radio Telephone" I could have cried.
> I got the 1st back in 1957 and held it for many years but, since
> was not in Broadcasting any longer I didn't brother to get the CET
> that was offered if we did it in a certain period of time as an exchange.
> At lest I can say I "Held" a 1st for a long time.
>
> 73,
>
> Jim K4DLI
>

> Sam W. Jacobs, C.E.T. wrote:
> >
> >
> > Matt, I have to laugh at the 2nd class FCC license. It's worth
> > (almost) the paper it's printed on. When the FCC took away the license
> > requirement on broadcast stations (and others) to have an FCC 1st
> > class to be a Chief Engineer (CE) they really screwed everything up. I
> > found my FCC 1st to be worthless !
> >
> > What seems to work, if you are interested, is the Certified Electronic
> > Technician (CET) license. You might want to read about it on the
> > International Society of Certified Electronic Technician's (ISCET)
> > website. I hold license #PA-291.
> >
> > When I took the test it was equivalent to the old FCC first class
> > where you actually had to draw circuits and insert or move components
> > around to make the radio (or whatever) work.
> >
> > The broadcast industry and others now recognize the CET paperwork.
> >
> > 73,
> > Sam
> > K3SAM
> >
> > _____ _____ _____ __
> > From: Matt <sniffitout@yahoo. com <mailto:sniffitout% 40yahoo.com> >
> > To: orion565@yahoogroup s.com <mailto:orion565% 40yahoogroups. com>
> > Sent: Friday, July 31, 2009 6:29:33 PM
> > Subject: [orion565] Re: Problem
> >
> > Hey Bill:
> > Thanks for the reply Bill. The A9 replacement went well. The caps on
> > the new board are twice as large as the caps on the old board.
> > The fix was simple. The hardest part was finding a #10 torx driver in
> > my tool box. The fix took twenty minutes or so. The cost of the board
> > was $48.25 shipped. I do have a 2nd class radio telephone license ,
> > but I fill if a person has the ability to unscrew 14 screws and plug a
> > lamp into a wall socket , they can replace an A9 board.
> > I'm still planning to recap the old board , just to do it.
> > Matt KD3VJ
> >
> > [Non-text portions of this message have been removed]
> >
> >
>
> [Non-text portions of this message have been removed]
>
>

5441. Memory of Split Operation

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-04 01:45:03 UTC
From: Tim Randa
Topic: 5441 Message: 5441

Just got a Orion II and was trying to find a way to save 10 FM repeater freqs into a memory. I would bet it's a simple question to answer for the group but can't seem to figure it out.

73 de Tim K?FL

5442. Re: Memory of Split Operation

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-04 05:16:51 UTC
From: Matt
Topic: 5441 Message: 5442

Hey Tim
Select your freq.,hit recall,set the number you want (1-200) exit recall, hit vfo-m two times. That should do it.....I've been there , glad to help.

Matt KD3VJ
>

5443. Flash update mode

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-04 13:15:08 UTC
From: it9yhr
Topic: 5443 Message: 5443

Hi, something of anormal happen on my Orion I.

Infact often (2 3 time a day) when I power on my transceiver on the screen appear FLASH UPDATE MODE without pressing the relative button.

If I use the exit way the system crash and I must do the MASTER RESET.

Someone can help me. There is a battery backup failure ?

Waiting for an answer.

Alex IT9YHR

5444. Re: Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-04 20:33:21 UTC
From: k1fpv
Topic: 5401 Message: 5444

Well actually gentlemen, the former first class radiotelephone license is worth something to S.B.E. (Society of Broadcast Engineers) That is the organization who certifies most of us who had our 1st. Class Phone tickets. If someone renewed it as a General Radiophone ticket (when the 1st. Class Phone Ticket was discontinued, it was good for life.

The SBE grants that person the title of CBT (Certified Broadcast Technologist). Back in 1968 when I started in broadcasting, the 1st. Class Phone was mandatory and has to be renewed every 5 years. The CBT as well as CPBE (Certified Professional Broadcast Engineer) must be renewed every 5 years. There are sub categories too deal with too.
After retiring from a broadcasting career that began almost 40 years ago, I've pretty much seen it all! ;)

At any rate, on the original problem, my Orion II is working fine now. Ten-Tec sent me a couple of the low ESR caps for C6 & C7 on the power board and I bought some spares from Mouser in case it happens again. While I was at it, I replaced C9 which is the same value. These caps are rated to 105°C and not 85 degrees like the originals.

Have a good one guys,

Bill, K1FPV, CPBE (Technically it ran out in January since I retired in 2005.)

--- In orion565@...m, "Sam W. Jacobs, C.E.T." <Sam@...> wrote:
>
> Matt, I have to laugh at the 2nd class FCC license. It's worth (almost) the paper it's printed on. When the FCC took away the license requirement on broadcast stations (and others) to have an FCC 1st class to be a Chief Engineer (CE) they really screwed everything up. I found my FCC 1st to be worthless !
>
> What seems to work, if you are interested, is the Certified Electronic Technician (CET) license. You might want to read about it on the International Society of Certified Electronic Technician's (ISCET) website. I hold license #PA-291.
>
> When I took the test it was equivalent to the old FCC first class where you actually had to draw circuits and insert or move components around to make the radio (or whatever) work.
>
> The broadcast industry and others now recognize the CET paperwork.
>
> 73,
> Sam
> K3SAM
>
>
>
>
> _____
> From: Matt <sniffitout@...>

> To: orion565@yahoogroups.com
> Sent: Friday, July 31, 2009 6:29:33 PM
> Subject: [orion565] Re: Problem
>
>
> Hey Bill:
> Thanks for the reply Bill. The A9 replacement went well. The caps on the new board are twice as large as the caps on the old board.
> The fix was simple. The hardest part was finding a #10 torx driver in my tool box. The fix took twenty minutes or so. The cost of the board was $48.25 shipped. I do have a 2nd class radio telephone license , but I fill if a person has the ability to unscrew 14 screws and plug a lamp into a wall socket , they can replace an A9 board.
> I'm still planning to recap the old board , just to do it.
> Matt KD3VJ
>
>
>
>
> [Non-text portions of this message have been removed]
>

5445. Orion drivers and finals

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-05 11:16:18 UTC
From: Jose V. Gavila
Topic: 5445 Message: 5445

Hello!

I am working on an Orion which has a damaged Power Amplifier. It has bad drivers (2SC3133) and bad finals (2SC2290). I have found that RF-Parts has the finals as a MP (matched pair) available but they have not drivers (they show the 2SC1945 as a substitute but, again, there are not MP available)

I have sent an e-mail directly to Ten-Tec but I wonder if someone has already replaced the drivers and what was used to replace them.

Thanks!

JOSE
---
73 EB5AGV - JOSE V. GAVILA
IM99sm La Canyada - Valencia (SPAIN)

Vintage Radio and Test Equipment
http://jvgavila.com
RadioRepair BLOG
http://radiorepair.blogspot.com/
European Boatanchors List
http://groups.yahoo.com/group/euro_ba_swap
Amateur Repairs List
http://groups.yahoo.com/group/amateur-repairs

5446. Flash update mode

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-06 17:27:42 UTC
From: it9yhr
Topic: 5443 Message: 5446

I need help.

Many time a day when I power on my ORION the system go in FLASH UPDATE MODE without pressing the SEND2 button.

I try to EXIT but system crash and I must do a Master Reset (losing all my personal setting).

I have do Master Ram RESET (LCK button) but the problem still remain.

My firmaware versione 2.063XG, the same problem with 2.062a

Waiting for a help. MANY THANKS !

Alex IT9YHR

5447. Ten Tec Orion ii with Ten Tec Centurion amplifier and automatic antenna tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-08 19:44:23 UTC
From: tompinkus
Topic: 5447 Message: 5447

Hi, I was just watching Ten Tec TV on how to tune the Centurion amplifier. I have a Century 21 and an Orion II and I am considering purchasing a Centurion amplifier.

I plan to use an automatic antenna tuner with the amplifier as I have G5RV antennas. In real life, does the input 50 ohm impedance that the antenna tuner presents to the Centurion stay fairly constant at 50 Ohms? For instance, once I tune the amplifier for a particular frequency in a ham band, will the auto tuner allow me to QSY across the band without me having to readjust the controls on the Centurion?

Otherwise how broad-banded is the tuning of the Centurion? Buying a solid state amplifier is also an option for me. I have never owned a HF amplifier and I am a OT operator but with the band conditions as they are I am thinking about getting one.

Does the Centurion have much of a history of changes in the circuit design? Are all serial #s the same except for the color of the cabinet?

Tom Pinkerton AG8K

5448. Orion II with Centurion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-09 22:45:03 UTC
From: n9aop2000
Topic: 5448 Message: 5448

Tom,
I just got and Orion II and have a 4 year old Centurion. This amp puts out over 1000 watts so whatever automatic tuner you use has to be able to handle this power. Once the Centurion is tuned to 50 ohms out for a particular band, it does not need to be retuned, only the autotuner needs to be retuned if you stray far from where you started on the band.
There was a minor fix early on for the qsk I believe. Other than that the amp is the same as the original except the transformer is not made in house any more and as you noted, the front color is different. This amp has not given me any trouble in the 4 years that I have owned it and I use it with the tentec manual hi power tuner.
Art

5449. Re: Orion II with Centurion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-10 12:39:21 UTC
From: wc1x
Topic: 5448 Message: 5449

Huh? You may want to rethink this...

Tank circuit tuning is frequency dependant.
e.g. if you change frequency you have to retune the amplifier
to resonance at the new frequency even if in the same band...

Good luck!

Marc, WC1X

--- In orion565@yahoogroups.com, "n9aop2000" <avidmar@...> wrote:
>
> Tom,
> I just got and Orion II and have a 4 year old Centurion. This amp puts out over 1000 watts so whatever automatic tuner you use has to be able to handle this power. Once the Centurion is tuned to 50 ohms out for a particular band, it does not need to be retuned, only the autotuner needs to be retuned if you stray far from where you started on the band.
> There was a minor fix early on for the qsk I believe. Other than that the amp is the same as the original except the transformer is not made in house any more and as you noted, the front color is different. This amp has not given me any trouble in the 4 years that I have owned it and I use it with the tentec manual hi power tuner.
> Art
>

5450. RE: Orion II with Centurion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-11 01:49:17 UTC
From: n9aop2000
Topic: 5448 Message: 5450

I guess I should have been more precise. On 20 meters and up, once the amp is tuned, it is good for the whole band provided the impedance stays constant. On 40 meters you will have to touch up the amp tuning if you go from the CW to the SSB part of the band. On 80 meters, the band is so wide that you need to retune about 4 times going from 3.5 to 4.0. I operate mostly on 20 and up and didn't think much about 40 and 80 when I answered your post.
Art

5451. PB/BW Encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-14 12:11:12 UTC
From: adb1x1
Topic: 5451 Message: 5451

I am new to the list and new to an Orion 1.

Seems this one has an issue with the encoder for PB/BW adjustment (skips, works sometimes, sometimes values just bobble when turning the control). Since it is a mechanical encoder, I suspect the contacts are just worn and not making always as they should.

Some research has led me to conclude this is a common failure (well, maybe "well known" is a better description)

I plan to replace it, but was wondering if anyone knows the manufacturer and part number? I would like to see if there is an equivalent that has longer mechanical life.

Might just change them all if there is. Keeps me from having to take it apart more than once.

Thank you!
Anthony, NT4X

5452. Re: [orion565] PB/BW Encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-14 12:45:37 UTC
From: Martin
Topic: 5451 Message: 5452

Anthony,

it is not mechanical device. There are no contacts. The replacement part can be ordered directly at Ten-Tec and is cheap, I paid less than $4 for each. The change is quite painful.

The encoder is very reliable, there is quite low probability to find a defective one. I recommend to check contacts of pin arrays widely used in the control boards (use a magnifier and look VERY carefully).

73,
Martin, OK1RR

adb1x1 napsal(a):
> I am new to the list and new to an Orion 1.
>
> Seems this one has an issue with the encoder for PB/BW adjustment (skips, works sometimes, sometimes values just bobble when turning the control). Since it is a mechanical encoder, I suspect the contacts are just worn and not making always as they should.
>
> Some research has led me to conclude this is a common failure (well, maybe "well known" is a better description)
>
> I plan to replace it, but was wondering if anyone knows the manufacturer and part number? I would like to see if there is an equivalent that has longer mechanical life.
>
> Might just change them all if there is. Keeps me from having to take it apart more than once.
>
> Thank you!
> Anthony, NT4X
>
>

5453. Re: PB/BW Encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-14 13:23:12 UTC
From: adb1x1
Topic: 5451 Message: 5453

Martin,
Thank you for the reply.

By mechanical, I mean the technology used in the encoder design. Optical encoders use phototransistors, leds and a mask. Mechanical encoders are made kind of like potentiometers: They have a pattern of contacts and a wiper that makes physical contact. They typically have less longivity than optical encoders for obvious reasons. Since I have seen several postings on other mailing lists about problems with the encoder (esp the RIT encoder), I am wanting to check the specs on the one used by Ten Tec and see what might have a greater mechanical lifespan.

Thank you!
Anthony

--- In orion565@yahoogroups.com, Martin <martin@...> wrote:
>
> Anthony,
>
> it is not mechanical device. There are no contacts. The replacement part
> can be ordered directly at Ten-Tec and is cheap, I paid less than $4 for
> each. The change is quite painful.
>
> The encoder is very reliable, there is quite low probability to find a
> defective one. I recommend to check contacts of pin arrays widely used
> in the control boards (use a magnifier and look VERY carefully).
>
> 73,
> Martin, OK1RR
>
> adb1x1 napsal(a):
> > I am new to the list and new to an Orion 1.
> >
> > Seems this one has an issue with the encoder for PB/BW adjustment (skips, works sometimes, sometimes values just bobble when turning the control). Since it is a mechanical encoder, I suspect the contacts are just worn and not making always as they should.
> >
> > Some research has led me to conclude this is a common failure (well, maybe "well known" is a better description)
> >
> > I plan to replace it, but was wondering if anyone knows the manufacturer and part number? I would like to see if there is an equivalent that has longer mechanical life.
> >
> > Might just change them all if there is. Keeps me from having to take it apart more than once.
> >
> > Thank you!

> > Anthony, NT4X
> >
> >
>

5454. 302 Remote Pod

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-14 21:13:17 UTC
From: kd6hq
Topic: 5454 Message: 5454

Hello

Well I decided to try a 302 remote pod so I purchased a used one (a possible mistake).

Anyway when I plug in the 302 I loose all function of the front panel. None of the front panel controls work until I unplug the 302 then everything returns to normal. Also the VFO of the 302 works but none of the other function keys on the 302 seem to have any affect.

I checked the menu and all are set to the default settings.

Any one else have this problem?

Thanks

Don

5455. Re: [orion565] 302 Remote Pod

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-14 22:57:39 UTC
From: N2FQ
Topic: 5454 Message: 5455

Hello Don.

I don't have the 302 but if you feel like taking a trip down to San Jose

you can try it out on my O1.

Here is a TT youtube demo, albiet it's for an O2, maybe you can gleam
something from it.

<http://www.youtube.com/watch?v=FhhfDK8j1zI>

I'd be interested your resolution.

Good luck

kd6hq wrote:
> Hello
>
> Well I decided to try a 302 remote pod so I purchased a used one (a possible mistake).
>
> Anyway when I plug in the 302 I loose all function of the front panel. None of the front panel controls work until I unplug the 302 then everything returns to normal. Also the VFO of the 302 works but none of the other function keys on the 302 seem to have any affect.
>
> I checked the menu and all are set to the default settings.
>
> Any one else have this problem?
>
> Thanks
>
> Don
>
>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>
>
>
>

5456. Re: [orion565] 302 Remote Pod

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-14 23:03:54 UTC
From: N2FQ
Topic: 5454 Message: 5456

I also failed to mention do check that it's plug in the Remote socket
and not

the AUX I/O.

kd6hq wrote:
> Hello
>
> Well I decided to try a 302 remote pod so I purchased a used one (a possible mistake).
>
> Anyway when I plug in the 302 I loose all function of the front panel. None of the front panel controls work until I unplug the 302 then everything returns to normal. Also the VFO of the 302 works but none of the other function keys on the 302 seem to have any affect.
>
> I checked the menu and all are set to the default settings.
>
> Any one else have this problem?
>
> Thanks
>
> Don
>
>
>
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> ------------------------------------
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> Yahoo! Groups Links
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5457. RE: [orion565] 302 Remote Pod

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-15 01:11:04 UTC
From: Chris Hinson
Topic: 5454 Message: 5457

Make sure you are plugging it in to the remote jack and not the Aux jack it will plug into both
73, K4OSK

----- Original Message -----
From: kd6hq
To: orion565@yahoogroups.com
Sent: 8/14/2009 5:14:23 PM
Subject: [orion565] 302 Remote Pod

Hello

Well I decided to try a 302 remote pod so I purchased a used one (a possible mistake).

Anyway when I plug in the 302 I loose all function of the front panel. None of the front panel controls work until I unplug the 302 then everything returns to normal. Also the VFO of the 302 works but none of the other function keys on the 302 seem to have any affect.

I checked the menu and all are set to the default settings.

Any one else have this problem?

Thanks

Don

[Non-text portions of this message have been removed]

5458. Dead Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-15 05:30:35 UTC
From: k3sam
Topic: 5458 Message: 5458

This is the 2nd major problem with my Orion II since I purchased it less than a year ago. For the sake of getting a quick answer back I'm not going to mention the first problem.

Does anyone have any information on (or have you experienced) why my Orion II might have died. No display, no audio, no nothing except for a "thud" in the audio when switch the power to ON, after that no audio.

Without getting into the schematics as this just happened a few minutes ago, it is my "guess" that there's probably several regulators within the radio. Probably one for 5VDC and most likely one for 12VDC. Most likely this problem is due to one of those voltage regulators dying. The external power supply is good, tested and currently being used with my 2 meter rig too (Astron 50 Amp 12 VDC, both adjustable - VS50M).

This type of problem should be fairly easy to find and fix as it's not intermittent in nature. This radio will NOT turn on, period... so tracing back the voltage loss (if that's what it is) should be easy if I can find the schematics on the TT website (geesh, should have come with the radio).

Hey, time to start disconnecting EVERYTHING so I can get to the radio, Thanks in advance!
73,

Sam
K3SAM

ps: your replies can either be posted here, or send me a private email at sam@.... We can chat on the phone if you supply a number. Tnx

5459. Re: [orion565] Dead Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-15 06:16:14 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 5458 Message: 5459

Oh, two things I forgot in my original post. The relays inside the O2 chatter when power is supplied and the O2 draws about 4.5A @ 13.8VDC while "doing nothing".

Tnx again,

Sam
K3SAM

From: k3sam <Sam@...>
To: orion565@yahoogroups.com
Sent: Saturday, August 15, 2009 1:30:35 AM
Subject: [orion565] Dead Orion II

This is the 2nd major problem with my Orion II since I purchased it less than a year ago. For the sake of getting a quick answer back I'm not going to mention the first problem.

Does anyone have any information on (or have you experienced) why my Orion II might have died. No display, no audio, no nothing except for a "thud" in the audio when switch the power to ON, after that no audio.

Without getting into the schematics as this just happened a few minutes ago, it is my "guess" that there's probably several regulators within the radio. Probably one for 5VDC and most likely one for 12VDC. Most likely this problem is due to one of those voltage regulators dying. The external power supply is good, tested and currently being used with my 2 meter rig too (Astron 50 Amp 12 VDC, both adjustable - VS50M).

This type of problem should be fairly easy to find and fix as it's not intermittent in nature. This radio will NOT turn on, period... so tracing back the voltage loss (if that's what it is) should be easy if I can find the schematics on the TT website (geesh, should have come with the radio).

Hey, time to start disconnecting EVERYTHING so I can get to the radio, Thanks in advance!
73,

Sam
K3SAM

ps: your replies can either be posted here, or send me a private email at sam@.... We can chat on the phone if you supply a number. Tnx

[Non-text portions of this message have been removed]

5460. Re: 302 Remote Pod

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-15 10:58:25 UTC
From: kd6hq
Topic: 5454 Message: 5460

Fernando and Chris

Thanks for the replies, and no it's not plugged into the Aux. Jack ☐ my navigator is ☐ so I know it's not that. I have a feeling that it is the 302 or perhaps the connecting wire.
In any case I will post what I find here.

Fernando, thank you for the invitation to use your Orion but like you said it is somewhat of a trip. I also watched the youtube demo and it makes me think that it is the 302.

I also sent Ten Tec a note and will let you know what they say and what it turns out to be.

73's

Don

--- In orion565@yahoogroups.com, "Chris Hinson" <chinson1@...> wrote:
>
> Make sure you are plugging it in to the remote jack and not the Aux jack it will plug into both
> 73, K4OSK
>
>
> ----- Original Message -----
> From: kd6hq
> To: orion565@yahoogroups.com
> Sent: 8/14/2009 5:14:23 PM
> Subject: [orion565] 302 Remote Pod
>
>
> Hello
>
> Well I decided to try a 302 remote pod so I purchased a used one (a possible mistake).
>
> Anyway when I plug in the 302 I loose all function of the front panel. None of the front panel controls work until I unplug the 302 then everything returns to normal. Also the VFO of the 302 works but none of the other function keys on the 302 seem to have any affect.
>
> I checked the menu and all are set to the default settings.
>
> Any one else have this problem?
>
> Thanks
>
> Don
>
>

>
>
> [Non-text portions of this message have been removed]
>

5461. Re: [orion565] Dead Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-16 02:30:03 UTC
From: Billy Cox
Topic: 5458 Message: 5461

Sam,

Have you checked the CAPS on the A9 board?

http://www.n6ie.com/A9_Fix.html

73 de Billy, AA4NU

-----Original Message-----
>From: "Sam W. Jacobs, C.E.T." <Sam@...>
>Oh, two things I forgot in my original post. The relays inside the O2 chatter when
>power is supplied and the O2 draws about 4.5A @ 13.8VDC while "doing nothing".
>
>Tnx again,
>
>Sam
>K3SAM

5462. Re: [orion565] Dead Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-16 08:56:57 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 5458 Message: 5462

No Billy, I was unaware of any problems with the A9 board until a friend saw my post earlier today and shot me off an email. I will have to get with TT Monday. Since then I also watched a few YouTubes on that same problem. I hope they back this !

So far, all the other people with this problem at least have a screen or lights for a few seconds, not this radio. Hope it's still the same problem.

73,
Sam
K3SAM

From: Billy Cox <aa4nu@...>
To: orion565@yahoogroups.com
Sent: Saturday, August 15, 2009 10:30:03 PM
Subject: Re: [orion565] Dead Orion II

Sam,

Have you checked the CAPS on the A9 board?

http://www.n6ie. com/A9_Fix. html

73 de Billy, AA4NU

-----Original Message-----
>From: "Sam W. Jacobs, C.E.T." <Sam@...>
>Oh, two things I forgot in my original post. The relays inside the O2 chatter when
>power is supplied and the O2 draws about 4.5A @ 13.8VDC while "doing nothing".
>
>Tnx again,
>
>Sam
>K3SAM

[Non-text portions of this message have been removed]

5463. Re: Dead Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-16 20:09:33 UTC
From: k1fpv
Topic: 5458 Message: 5463

Hi Sam,
Yes, on the A9 power distribution board, C6 & C7 are 470µf capacitors rated at 16VDC are known for problems. I've had to replace mine twice. This last time, I replaced them with Low ESR caps rated at 35VDC and rated for a temp of 105 degrees C. While at it, I also replaced C9 as it was the same make and type cap.

The board is located on the under side of the chassis. It is board # 81936. Apparently, this is a common problem with the Orion and Orion II. Incidentally, Ten-Tec recommends replacing them with low ESR caps and is now using them in their production of the Orion II.

These caps cause a multitude of problems. My Orion II gave me different problems each time the caps went. The first time, I didn't replace them with low ESR caps and thus a year and a half later, a new problem occurred. I'm pretty sure that will be your problem. Good luck!

73,
Bill
K1FPV

--- In orion565@yahoogroups.com, "Sam W. Jacobs, C.E.T." <Sam@...> wrote:
>
> No Billy, I was unaware of any problems with the A9 board until a friend saw my post earlier today and shot me off an email. I will have to get with TT Monday. Since then I also watched a few YouTubes on that same problem. I hope they back this !
>
> So far, all the other people with this problem at least have a screen or lights for a few seconds, not this radio. Hope it's still the same problem.
>
> 73,
> Sam
> K3SAM
>
>
>
>
> _____
> From: Billy Cox <aa4nu@...>
> To: orion565@yahoogroups.com
> Sent: Saturday, August 15, 2009 10:30:03 PM
> Subject: Re: [orion565] Dead Orion II
>
>
>
> Sam,
>
> Have you checked the CAPS on the A9 board?
>
> http://www.n6ie. com/A9_Fix. html

>
> 73 de Billy, AA4NU
>
> -----Original Message-----
> >From: "Sam W. Jacobs, C.E.T." <Sam@...>
> >Oh, two things I forgot in my original post. The relays inside the O2 chatter when
> >power is supplied and the O2 draws about 4.5A @ 13.8VDC while "doing nothing".
> >
> >Tnx again,
> >
> >Sam
> >K3SAM
>
>
>
> [Non-text portions of this message have been removed]
>

5464. Re: [orion565] Re: Dead Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-17 20:39:57 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 5458 Message: 5464

Spoke to T*T this morning and they agree. New caps on their way.

Thanks!

Sam
K3SAM

From: k1fpv <k1fpv@...>
To: orion565@yahoogroups.com
Sent: Sunday, August 16, 2009 4:09:33 PM
Subject: [orion565] Re: Dead Orion II

Hi Sam,
Yes, on the A9 power distribution board, C6 & C7 are 470µf capacitors rated at 16VDC are known for problems. I've had to replace mine twice. This last time, I replaced them with Low ESR caps rated at 35VDC and rated for a temp of 105 degrees C. While at it, I also replaced C9 as it was the same make and type cap.

The board is located on the under side of the chassis. It is board # 81936. Apparently, this is a common problem with the Orion and Orion II. Incidentally, Ten-Tec recommends replacing them with low ESR caps and is now using them in their production of the Orion II.

These caps cause a multitude of problems. My Orion II gave me different problems each time the caps went. The first time, I didn't replace them with low ESR caps and thus a year and a half later, a new problem occurred. I'm pretty sure that will be your problem. Good luck!

73,
Bill
K1FPV

--- In orion565@yahoogroup s.com, "Sam W. Jacobs, C.E.T." <Sam@...> wrote:
>
> No Billy, I was unaware of any problems with the A9 board until a friend saw my post earlier today and shot me off an email. I will have to get with TT Monday. Since then I also watched a few YouTubes on that same problem. I hope they back this !
>
> So far, all the other people with this problem at least have a screen or lights for a few seconds, not this radio. Hope it's still the same problem.
>
> 73,
> Sam
> K3SAM
>
>
>
>

> _____ _____ _____ __
> From: Billy Cox <aa4nu@...>
> To: orion565@yahoogroup s.com
> Sent: Saturday, August 15, 2009 10:30:03 PM
> Subject: Re: [orion565] Dead Orion II
>
>
> Sam,
>
> Have you checked the CAPS on the A9 board?
>
> http://www.n6ie. com/A9_Fix. html
>
> 73 de Billy, AA4NU
>
> -----Original Message-----
> >From: "Sam W. Jacobs, C.E.T." <Sam@...>
> >Oh, two things I forgot in my original post. The relays inside the O2 chatter when
> >power is supplied and the O2 draws about 4.5A @ 13.8VDC while "doing nothing".
> >
> >Tnx again,
> >
> >Sam
> >K3SAM
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

5465. Re: 302 Remote Pod

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-18 01:22:45 UTC
From: kd6hq
Topic: 5454 Message: 5465

Fernando

Well the 302R is back up and working. I opened the 302 up and it is a very simple device. Bunch of keys, 2 caps, 2 resistor packs, 3 IC's. 2 of the IC's are line encoders MM74HC148N and the other is a "Quad 2-Input NAND Gate MC74HC00N. It turned out to be one or both of the line encoders. I just replaced them both at once. Cost of repair, whatever gas I used to go to the local electronics store and $2.75 in parts, oh yes and a little time.

So now that I have the 302R & computer controlled radio I don't have to touch anything except to turn it on. Especially nice since everything is rack mounted.

73's
Don

--- In orion565@yahoogroups.com, "kd6hq" <kd6hq@...> wrote:
>
> Fernando and Chris
>
> Thanks for the replies, and no it's not plugged into the Aux. Jack ☐ my navigator is ☐ so I know it's not that. I have a feeling that it is the 302 or perhaps the connecting wire.
> In any case I will post what I find here.
>
> Fernando, thank you for the invitation to use your Orion but like you said it is somewhat of a trip. I also watched the youtube demo and it makes me think that it is the 302.
>
> I also sent Ten Tec a note and will let you know what they say and what it turns out to be.
>
> 73's
>
> Don
>
>
>
>
>
>
>
>
>
> --- In orion565@yahoogroups.com, "Chris Hinson" <chinson1@> wrote:
> >
> > Make sure you are plugging it in to the remote jack and not the Aux jack it will plug into both
> > 73, K4OSK
> >
> >

> > ----- Original Message -----
> > From: kd6hq
> > To: orion565@yahoogroups.com
> > Sent: 8/14/2009 5:14:23 PM
> > Subject: [orion565] 302 Remote Pod
> >
> >
> > Hello
> >
> > Well I decided to try a 302 remote pod so I purchased a used one (a possible mistake).
> >
> > Anyway when I plug in the 302 I loose all function of the front panel. None of the front panel controls work until I unplug the 302 then everything returns to normal. Also the VFO of the 302 works but none of the other function keys on the 302 seem to have any affect.
> >
> > I checked the menu and all are set to the default settings.
> >
> > Any one else have this problem?
> >
> > Thanks
> >
> > Don
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

5466. Ten Tec Model 311 Band Data Converter Box

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-18 01:28:52 UTC
From: kd6hq
Topic: 5466 Message: 5466

FYI ☐ for any one that is interested I uploaded a file for this device showing the pin outs.

For those of you who don't know, this device is used to connect Ten Tec 253 auto tuner, Ten Tec Hercules 2, 420 amplifier to the Orion 1 & 2 and possibly others

73's

5467. What software version?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-18 02:48:05 UTC
From: Tony Sokol
Topic: 5467 Message: 5467

Hi Gang,

I am new to the list and probably missed a lot of discussion on this topic but thought I would check with those that have ''been there...done that." I recently acquired a really nice Orion II and the former owner had installed Version 2.041XL which I do realize is a Beta program. Well, I had the "red screen" which I assume refers to the sweep trying to mix the spectrum and waterfall functions resulting in that part of the screen turning red and displaying both.

I installed Version 2.041XT (still a beta) and although it has gotten better, it still has the same problem. If I turn the rig off and let it reboot, the problem goes away...for a while. Sooooo....what is the preferred version? I am guessing 2.039d but am curious what others have found and reverted back to if, in fact, they did go back a version or two.

Incidentally, I also have the Omni VII which I have had since the beginning and am really torn between the two! They are BOTH really great...no, outstanding rigs. I just could not resist the opportunity to try out the Orion while I had the chance.

Thanks
73
Tony - W9JXN

5468. Re: [orion565] What software version?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-18 02:50:55 UTC
From: Billy Cox
Topic: 5467 Message: 5468

Tony, no need to turn the rig on/off, just switch the SWEEP on/off.

I am running the latest beta here ... with few problems as noted.

73 de Billy, AA4NU

-----Original Message-----
>From: Tony Sokol <tonysokol@...>
>Sent: Aug 17, 2009 10:48 PM
>To: orion565@yahoogroups.com
>Subject: [orion565] What software version?
>
>Hi Gang,
>
> I am new to the list and probably missed a lot of discussion on this
>topic but thought I would check with those that have ''been there...done
>that." I recently acquired a really nice Orion II and the former owner
>had installed Version 2.041XL which I do realize is a Beta program.
>Well, I had the "red screen" which I assume refers to the sweep trying
>to mix the spectrum and waterfall functions resulting in that part of
>the screen turning red and displaying both.
>
> I installed Version 2.041XT (still a beta) and although it has
>gotten better, it still has the same problem. If I turn the rig off and
>let it reboot, the problem goes away...for a while. Sooooo....what is
>the preferred version? I am guessing 2.039d but am curious what others
>have found and reverted back to if, in fact, they did go back a version
>or two.
>
> Incidentally, I also have the Omni VII which I have had since the
>beginning and am really torn between the two! They are BOTH really
>great...no, outstanding rigs. I just could not resist the opportunity
>to try out the Orion while I had the chance.
>
> Thanks
> 73
>Tony - W9JXN
>
>
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>
>Yahoo! Groups Links
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5469. Re: [orion565] What software version?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-18 02:53:47 UTC
From: Tony Sokol
Topic: 5467 Message: 5469

Hi Billy,

I did that and it works for a while but comes back rather quickly.
Turning the rig off and on seems to keep it working for a much longer
period although that may be just my perception.

Tony

Billy Cox wrote:
>
>
> Tony, no need to turn the rig on/off, just switch the SWEEP on/off.
>
> I am running the latest beta here ... with few problems as noted.
>
> 73 de Billy, AA4NU
>
> -----Original Message-----
> >From: Tony Sokol <tonysokol@...
> <mailto:tonysokol%40sbcglobal.net>>
> >Sent: Aug 17, 2009 10:48 PM
> >To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> >Subject: [orion565] What software version?
> >
> >Hi Gang,
> >
> > I am new to the list and probably missed a lot of discussion on this
> >topic but thought I would check with those that have ''been there...done
> >that." I recently acquired a really nice Orion II and the former owner
> >had installed Version 2.041XL which I do realize is a Beta program.
> >Well, I had the "red screen" which I assume refers to the sweep trying
> >to mix the spectrum and waterfall functions resulting in that part of
> >the screen turning red and displaying both.
> >
> > I installed Version 2.041XT (still a beta) and although it has
> >gotten better, it still has the same problem. If I turn the rig off and
> >let it reboot, the problem goes away...for a while. Sooooo....what is
> >the preferred version? I am guessing 2.039d but am curious what others
> >have found and reverted back to if, in fact, they did go back a version
> >or two.
> >
> > Incidentally, I also have the Omni VII which I have had since the
> >beginning and am really torn between the two! They are BOTH really
> >great...no, outstanding rigs. I just could not resist the opportunity
> >to try out the Orion while I had the chance.
> >

> > Thanks
> > 73
> >Tony - W9JXN
> >
> >
> >
> >
> >------------------------------------
> >
> >
> >Yahoo! Groups Links
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>

5470. Re: [orion565] What software version?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-18 02:57:20 UTC
From: Billy Cox
Topic: 5467 Message: 5470

Hi Tony,

Try setting your RF GAIN to 60%, and see if the "red out" stops.

I believe that's the threshold I found here from doing some testing.

73 de Billy, AA4NU

-----Original Message-----
>From: Tony Sokol <tonysokol@...>

>Hi Billy,
>
> I did that and it works for a while but comes back rather quickly.
>Turning the rig off and on seems to keep it working for a much longer
>period although that may be just my perception.
>
>Tony
>
>
>Billy Cox wrote:
>>
>>
>> Tony, no need to turn the rig on/off, just switch the SWEEP on/off.
>>
>> I am running the latest beta here ... with few problems as noted.
>>
>> 73 de Billy, AA4NU
>>
>> -----Original Message-----
>> >From: Tony Sokol <tonysokol@...
>> <mailto:tonysokol%40sbcglobal.net>>
>> >Sent: Aug 17, 2009 10:48 PM
>> >To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>> >Subject: [orion565] What software version?
>> >
>> >Hi Gang,
>> >
>> > I am new to the list and probably missed a lot of discussion on this
>> >topic but thought I would check with those that have ''been there...done
>> >that." I recently acquired a really nice Orion II and the former owner
>> >had installed Version 2.041XL which I do realize is a Beta program.
>> >Well, I had the "red screen" which I assume refers to the sweep trying
>> >to mix the spectrum and waterfall functions resulting in that part of
>> >the screen turning red and displaying both.
>> >

>> > I installed Version 2.041XT (still a beta) and although it has
>> >gotten better, it still has the same problem. If I turn the rig off and
>> >let it reboot, the problem goes away...for a while. Sooooo....what is
>> >the preferred version? I am guessing 2.039d but am curious what others
>> >have found and reverted back to if, in fact, they did go back a version
>> >or two.
>> >
>> > Incidentally, I also have the Omni VII which I have had since the
>> >beginning and am really torn between the two! They are BOTH really
>> >great...no, outstanding rigs. I just could not resist the opportunity
>> >to try out the Orion while I had the chance.
>> >
>> > Thanks
>> > 73
>> >Tony - W9JXN

5471. Re: [orion565] What software version?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-18 03:08:50 UTC
From: Tony Sokol
Topic: 5467 Message: 5471

Thanks, I'll give it shot. It does appear to be aggravated by strong signals.

Billy Cox wrote:
>
>
> Hi Tony,
>
> Try setting your RF GAIN to 60%, and see if the "red out" stops.
>
> I believe that's the threshold I found here from doing some testing.
>
> 73 de Billy, AA4NU
>
> -----Original Message-----
> >From: Tony Sokol <tonysokol@...
> <mailto:tonysokol%40sbcglobal.net>>
>
> >Hi Billy,
> >
> > I did that and it works for a while but comes back rather quickly.
> >Turning the rig off and on seems to keep it working for a much longer
> >period although that may be just my perception.
> >
> >Tony
> >
> >
> >Billy Cox wrote:
> >>
> >>
> >> Tony, no need to turn the rig on/off, just switch the SWEEP on/off.
> >>
> >> I am running the latest beta here ... with few problems as noted.
> >>
> >> 73 de Billy, AA4NU
> >>
> >> -----Original Message-----
> >> >From: Tony Sokol <tonysokol@...
> <mailto:tonysokol%40sbcglobal.net>
> >> <mailto:tonysokol%40sbcglobal.net>>
> >> >Sent: Aug 17, 2009 10:48 PM
> >> >To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> >> >Subject: [orion565] What software version?
> >> >

> >> >Hi Gang,
> >> >
> >> > I am new to the list and probably missed a lot of discussion on this
> >> >topic but thought I would check with those that have ''been
> there...done
> >> >that." I recently acquired a really nice Orion II and the former owner
> >> >had installed Version 2.041XL which I do realize is a Beta program.
> >> >Well, I had the "red screen" which I assume refers to the sweep trying
> >> >to mix the spectrum and waterfall functions resulting in that part of
> >> >the screen turning red and displaying both.
> >> >
> >> > I installed Version 2.041XT (still a beta) and although it has
> >> >gotten better, it still has the same problem. If I turn the rig
> off and
> >> >let it reboot, the problem goes away...for a while. Sooooo....what is
> >> >the preferred version? I am guessing 2.039d but am curious what others
> >> >have found and reverted back to if, in fact, they did go back a
> version
> >> >or two.
> >> >
> >> > Incidentally, I also have the Omni VII which I have had since the
> >> >beginning and am really torn between the two! They are BOTH really
> >> >great...no, outstanding rigs. I just could not resist the opportunity
> >> >to try out the Orion while I had the chance.
> >> >
> >> > Thanks
> >> > 73
> >> >Tony - W9JXN
>
>

5472. VOX hangup

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-18 13:56:21 UTC
From: Andrew B. Steen
Topic: 5472 Message: 5472

Good morning all. I recently started having a problem with the VOX hanging up on me. I have had my Orion II for about a year and a half now (bought new). I am running the newest beta software. I have tried changing the various VOX settings, but it still hangs up on occaision. I am wondering if changing the mic did it. I was running the TenTec 708, and no problems, but I am now running the Heil PR-30 on a boom. Anyone else experienced this issue? I talked to TenTec (Paul), and he was unaware of this problem. His suggestions of master reset, and changing the VOX settings did not solve the problem.

73, Andrew K6STN

[Non-text portions of this message have been removed]

5473. Re: VOX hangup

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-18 14:18:05 UTC
From: bernard
Topic: 5472 Message: 5473

--- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@...> wrote:
>
> Good morning all. I recently started having a problem with the VOX hanging
> up on me. I have had my Orion II for about a year and a half now (bought
> new). I am running the newest beta software. I have tried changing the
> various VOX settings, but it still hangs up on occaision. I am wondering if
> changing the mic did it. I was running the TenTec 708, and no problems,
> but I am now running the Heil PR-30 on a boom. Anyone else experienced this
> issue? I talked to TenTec (Paul), and he was unaware of this problem. His
> suggestions of master reset, and changing the VOX settings did not solve the
> problem.
>
> 73, Andrew K6STN
>
>
>
> [Non-text portions of this message have been removed]
>
Hello Andrew,

Since the last Beta Upgrade I have the same VOX problem.
Strange that nobody else is complaining for this issue

Hopefully it will be fixed in the final release, but WHEN....

At the end I'm losing confidence in TEN-TEC

73

Ben
ON5GQ

5474. RE: [orion565] VOX hangup

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-18 14:16:59 UTC
From: John T. Fleming
Topic: 5472 Message: 5474

Andrew,

Did you try the "Battery failure" reset? Turn on your rig while holding the VFOB LCK button until you see "Battery Failure." That erases any residual data in memory and totally reloads the rig from the ROM. The screen may have some garbage on it. Power down and power up the 565 again.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Andrew B. Steen
Sent: Tuesday, August 18, 2009 9:56 AM
To: orion565@yahoogroups.com
Subject: [orion565] VOX hangup

Good morning all. I recently started having a problem with the VOX hanging up on me. I have had my Orion II for about a year and a half now (bought new). I am running the newest beta software. I have tried changing the various VOX settings, but it still hangs up on occaision. I am wondering if changing the mic did it. I was running the TenTec 708, and no problems, but I am now running the Heil PR-30 on a boom. Anyone else experienced this issue? I talked to TenTec (Paul), and he was unaware of this problem. His suggestions of master reset, and changing the VOX settings did not solve the problem.

73, Andrew K6STN

[Non-text portions of this message have been removed]

5475. Re: [orion565] VOX hangup

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-18 14:21:58 UTC
From: Billy Cox
Topic: 5472 Message: 5475

Hi Andrew,

I am pretty sure the VOX issue IS related to the beta software.

Load the last pre-beta and see if the problem goes away.

And if so, then PLEASE email ditsnbits and confirm that there
is an error.

Hope this helps!

73 de Billy, AA4NU

-----Original Message-----
>From: "Andrew B. Steen" <n2gff@...>
>Sent: Aug 18, 2009 9:56 AM
>To: orion565@yahoogroups.com
>Subject: [orion565] VOX hangup
>
>Good morning all. I recently started having a problem with the VOX hanging
>up on me. I have had my Orion II for about a year and a half now (bought
>new). I am running the newest beta software. I have tried changing the
>various VOX settings, but it still hangs up on occaision. I am wondering if
>changing the mic did it. I was running the TenTec 708, and no problems,
>but I am now running the Heil PR-30 on a boom. Anyone else experienced this
>issue? I talked to TenTec (Paul), and he was unaware of this problem. His
>suggestions of master reset, and changing the VOX settings did not solve the
>problem.
>
>73, Andrew K6STN
>
>
>
>[Non-text portions of this message have been removed]
>
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>Yahoo! Groups Links
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>

5476. Re: [orion565] Re: VOX hangup

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-18 15:30:47 UTC
From: James Streible
Topic: 5472 Message: 5476

It is really too bad Ten-Tec isn't as dedicated to
improving their software as Elecraft is. If they were
there is no doubt they would be #1. In my view they have the
best hardware--- too bad I can't say the same about their software.

Jim K4DLI

bernard wrote:
>
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>,
> "Andrew B. Steen" <n2gff@...> wrote:
> >
> > Good morning all. I recently started having a problem with the VOX
> hanging
> > up on me. I have had my Orion II for about a year and a half now (bought
> > new). I am running the newest beta software. I have tried changing the
> > various VOX settings, but it still hangs up on occaision. I am
> wondering if
> > changing the mic did it. I was running the TenTec 708, and no problems,
> > but I am now running the Heil PR-30 on a boom. Anyone else
> experienced this
> > issue? I talked to TenTec (Paul), and he was unaware of this
> problem. His
> > suggestions of master reset, and changing the VOX settings did not
> solve the
> > problem.
> >
> > 73, Andrew K6STN
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> Hello Andrew,
>
> Since the last Beta Upgrade I have the same VOX problem.
> Strange that nobody else is complaining for this issue
>
> Hopefully it will be fixed in the final release, but WHEN....
>
> At the end I'm losing confidence in TEN-TEC
>
> 73
>

> Ben
> ON5GQ
>
>

5477. Re: [orion565] Re: VOX hangup

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-18 15:57:59 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 5472 Message: 5477

and replace the front knobs with some quality ones.
My ICOM 756pro feels like it was built to MilSpecs, but is noisy as all get out. The ORION II is nice and quiet, but feels like something Radio Shack would sell. Oh well, nobody's perfect... (I guess)

I will say that T*T's service, at least this time around has been spectacular ! Five star all the way.

-Sam
K3SAM

From: James Streible <k4dli@...>
To: orion565@yahoogroups.com
Sent: Tuesday, August 18, 2009 11:30:47 AM
Subject: Re: [orion565] Re: VOX hangup

It is really too bad Ten-Tec isn't as dedicated to
improving their software as Elecraft is. If they were
there is no doubt they would be #1. In my view they have the
best hardware--- too bad I can't say the same about their software.

Jim K4DLI

bernard wrote:
>
>
> --- In orion565@yahoogroup s.com <mailto:orion565% 40yahoogroups. com>,
> "Andrew B. Steen" <n2gff@...> wrote:
> >
> > Good morning all. I recently started having a problem with the VOX
> hanging
> > up on me. I have had my Orion II for about a year and a half now (bought
> > new). I am running the newest beta software. I have tried changing the
> > various VOX settings, but it still hangs up on occaision. I am
> wondering if
> > changing the mic did it. I was running the TenTec 708, and no problems,
> > but I am now running the Heil PR-30 on a boom. Anyone else
> experienced this
> > issue? I talked to TenTec (Paul), and he was unaware of this
> problem. His
> > suggestions of master reset, and changing the VOX settings did not
> solve the
> > problem.
> >
> > 73, Andrew K6STN

> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> Hello Andrew,
>
> Since the last Beta Upgrade I have the same VOX problem.
> Strange that nobody else is complaining for this issue
>
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> At the end I'm losing confidence in TEN-TEC
>
> 73
>
> Ben
> ON5GQ
>
>

[Non-text portions of this message have been removed]

5478. Re: VOX hangup

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-18 17:14:33 UTC
From: w3qj37
Topic: 5472 Message: 5478

I have absolutely no gripes with my Orion II. I can get fairly quiet operation out of my PROIII and Orion II with proper NR settings and RF gain settings. I love the interaction of the NR and RF gain on the Orion II among several other things. I've had none of the vox issues. I probably love the Orion II QSK more than anything else. The more of the postings I read in these user groups, the more I'm convinced that a lot of the problems are due to the users unfamiliarity of their gear, and something exclusive to the transceiver in their station set up that may be awry that they cannot see.

W3VR

--- In orion565@yahoogroups.com, "Sam W. Jacobs, C.E.T." <Sam@...> wrote:
>
> and replace the front knobs with some quality ones.
> My ICOM 756pro feels like it was built to MilSpecs, but is noisy as all get out. The ORION II is nice and quiet, but feels like something Radio Shack would sell. Oh well, nobody's perfect... (I guess)
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> I will say that T*T's service, at least this time around has been spectacular ! Five star all the way.
>
> -Sam
> K3SAM
>
>
>
>
> _____
> From: James Streible <k4dli@...>
> To: orion565@yahoogroups.com
> Sent: Tuesday, August 18, 2009 11:30:47 AM
> Subject: Re: [orion565] Re: VOX hangup
>
>
> It is really too bad Ten-Tec isn't as dedicated to
> improving their software as Elecraft is. If they were
> there is no doubt they would be #1. In my view they have the
> best hardware--- too bad I can't say the same about their software.
>
> Jim K4DLI
>
> bernard wrote:
> >
> >
> > --- In orion565@yahoogroup s.com <mailto:orion565% 40yahoogroups. com>,
> > "Andrew B. Steen" <n2gff@> wrote:

> > >
> > > Good morning all. I recently started having a problem with the VOX
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> > > 73, Andrew K6STN
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> > > [Non-text portions of this message have been removed]
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> > Hello Andrew,
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> > 73
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> > Ben
> > ON5GQ
> >
> >
>
>
>
> [Non-text portions of this message have been removed]
>

5479. Re: [orion565] Re: VOX hangup

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-18 19:19:13 UTC
From: James Streible
Topic: 5472 Message: 5479

Well-- I am very happy with my O II also. It is the best
transceiver I have had and I have been in this game since 1955.
It is just that Ten-Tec doesn't react to software problems with any
degree of urgency. When Elecraft is presented with a software
glitch they are on it and in a few days the problem is taken care of.
There are several things about the K-3 I do not like or I would
have one. For my money the O II is by far the best from an operational
stand point. and in general the receiver is outstanding.

Jim K4DLI

w3qj37 wrote:
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> > K3SAM
> >
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> > From: James Streible <k4dli@...>

> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > Sent: Tuesday, August 18, 2009 11:30:47 AM
> > Subject: Re: [orion565] Re: VOX hangup
> >
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> > > > problem.
> > > >
> > > > 73, Andrew K6STN
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> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > > Hello Andrew,
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> > >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>

5480. Re: VOX hangup

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-18 21:00:33 UTC
From: w3qj37
Topic: 5472 Message: 5480

I've worked in commercial and military electronics (design certification, and maintenance) for over 30 years. None of current ham gear is cutting edge by any means. It just isn't. The better DSP and firmware control of ham trancievers are trickling down some what to ham since technology and it's cost has come down over the years. The common consumer stuff is still bottom of the barrell compared to the military and commercial world. Folks complain about the cost and performance of the IC7800 and the like. Well, I doubt many would want to purchase something like the R&S XK2100.

I can't believe there isn't more open source in digital ham tranciever design. Who knows there may be. Seems like some of the whiners and complainers would start doing something about it like Wayne/Elecraft, and the folks at Flex. But there just isn't much money in this ham gear, so in that way I understand why there isn't more developement. It would be nice for Ten Tec to devote some more to the refining the 565/566 FW even further, but I bet it would be diminished return. Personally, I don't blame them. After spending many years in the commercial world, what I see in the ham world are lot of cheap complainers that would rather bitch and complain rather than trying to find a way to solve their problems on their own, and less, and less ops truly knowledgeable about electronics and radio sans the 60+years ops from the old school. Many of the new crowd can barely set up the most basic station, let alone repair their gear when it breaks.

And yes, the Elecraft K3.....without going into a longer diatribe than necssary, I have one only for portable ops, for an effective, spartan, power frugal CW station on crowded bands, it really shines. The K3 crowd on the other other reflector are a really thin skinned bunch. Hell, it seems like so many are so thinned skinned these days. You look at them the wrong way and they cry.

My long term dime is still with Ten Tec. I hope they make it through this economy. Even if they don't come up with new FW updates for the 566 anytime soon, I don't care. I'm happy with it as is. I'm either CW or phone, and mostly CW lately.

W3VR

--- In orion565@yahoogroups.com, James Streible <k4dli@...> wrote:
>
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> transceiver I have had and I have been in this game since 1955.
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> glitch they are on it and in a few days the problem is taken care of.
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> > > and replace the front knobs with some quality ones.
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> > > K3SAM
> > >
> > >
> > >
> > >
> > > _____
> > > From: James Streible <k4dli@>
> > > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > > Sent: Tuesday, August 18, 2009 11:30:47 AM
> > > Subject: Re: [orion565] Re: VOX hangup
> > >
> > >
> > > It is really too bad Ten-Tec isn't as dedicated to
> > > improving their software as Elecraft is. If they were
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> > > bernard wrote:
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> > > > > 73, Andrew K6STN
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> > > > > [Non-text portions of this message have been removed]
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> > > > Hello Andrew,
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> > > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> >

>

5481. S#??

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-19 00:45:26 UTC
From: n8lpq
Topic: 5481 Message: 5481

I forgot how to read the S#'s on a TEN-TEC Orion. S#10C10652 and S#04C10704 what year are these???? One is mine and one I just bout. Thanks
Ed

5482. Re: [orion565] S#??

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-19 01:23:53 UTC
From: Alan Sewell
Topic: 5481 Message: 5482

Here you go.

http://www.tentecwiki.org/doku.php?id=sn-decoding

Alan N5NA

On Tue, Aug 18, 2009 at 7:45 PM, n8lpq <n8lpq@...> wrote:

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> Ed
>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

5483. Memory bank

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-19 13:17:41 UTC
From: gdane_ex
Topic: 5483 Message: 5483

How do I recall the memory bank (200 memories). When I push the VFO>M button it just comes up with saving option, but how do I actually retrieve my memory to the VFO?

5484. RE: [orion565] Memory bank

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-19 14:00:20 UTC
From: John Hudson
Topic: 5483 Message: 5484

Press VFOA>m or VOB>m and your VFO memory display is on the bottom of the display then use your MULTI knob to change memory locations

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of gdane_ex
Sent: Wednesday, August 19, 2009 8:18 AM
To: orion565@yahoogroups.com
Subject: [orion565] Memory bank

How do I recall the memory bank (200 memories). When I push the VFO>M button it just comes up with saving option, but how do I actually retrieve my memory to the VFO?

[Non-text portions of this message have been removed]

5485. Re: [orion565] Re: VOX hangup

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-19 16:05:43 UTC
From: Pumbaa
Topic: 5472 Message: 5485

BTW, just what is the price for a R&S XK2100? I looked at their website and distributer list and didn't find any prices. Do you have an opinion about the Distronix DX2400L1 amplifier? Is it up to commercial and military specifications with a low price of approximately $11,000?

Ham radio is a hobby. I find the Orion ii works well just as it is even if the software never gets changed. I usually don't like to test beta software unless it might fix an existing problem that I just can't live with. I find almost zero problems with the working of the Orion ii.

---- Original Message -----
From: w3qj37
To: orion565@yahoogroups.com
Sent: Tuesday, August 18, 2009 4:00 PM
Subject: [orion565] Re: VOX hangup

I've worked in commercial and military electronics (design certification, and maintenance) for over 30 years. None of current ham gear is cutting edge by any means. It just isn't. The better DSP and firmware control of ham trancievers are trickling down some what to ham since technology and it's cost has come down over the years. The common consumer stuff is still bottom of the barrell compared to the military and commercial world. Folks complain about the cost and performance of the IC7800 and the like. Well, I doubt many would want to purchase something like the R&S XK2100.

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> > >
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> > > Subject: Re: [orion565] Re: VOX hangup
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> > > > > [Non-text portions of this message have been removed]
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> > > > Hello Andrew,
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> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> >
>

[Non-text portions of this message have been removed]

5486. Re: [orion565] What software version? Follow up

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-19 21:35:53 UTC
From: Tony Sokol
Topic: 5467 Message: 5486

Billy,

Tried that last night. Came down from 40 meters to check into the Collins net on 3805. A couple of minutes later with the RF gain waaay down due to tons of QRN and the attenuator kicked in, the dreaded "Red Screen" reared it's ugly head. It kept up until I shut the rig down completely and let it reboot. It worked perfectly the rest of the net.

One of the guys that is using an Orion II has not seen the problem. He is also using screen choice 4 instead of 3 which most of us are using. I don't know if hat has anything to do with it but I kind of like it a little better. It is doesn't appear overly busy with the toned down colors. I do think it would be a little nicer if the Main Receiver used the brighter green readout rather than the Sub receiver. Just an observation.

One last note: I called TT today and yes, they are, in fact, still experiencing the problem and trying to chase it down. I told them I can certainly understand what they are dealing with. Every time we update Windows, we end up with updates for the updates. That's what software does. It's kind of like trying to keep 20 corks underwater at the same time! That's also why this is a still Beta program.

73
Tony - W9JXN

Tony Sokol wrote:
> Thanks, I'll give it shot. It does appear to be aggravated by strong
> signals.
> Billy Cox wrote:
>>
>>
>> Hi Tony,
>>
>> Try setting your RF GAIN to 60%, and see if the "red out" stops.
>>
>> I believe that's the threshold I found here from doing some testing.
>>
>> 73 de Billy, AA4NU
>>
>> -----Original Message-----
>> >From: Tony Sokol <tonysokol@...
>> <mailto:tonysokol%40sbcglobal.net>>
>>
>> >Hi Billy,
>> >

>> > I did that and it works for a while but comes back rather quickly.
>> >Turning the rig off and on seems to keep it working for a much longer
>> >period although that may be just my perception.
>> >
>> >Tony
>> >
>> >
>> >Billy Cox wrote:
>> >>
>> >>
>> >> Tony, no need to turn the rig on/off, just switch the SWEEP on/off.
>> >>
>> >> I am running the latest beta here ... with few problems as noted.
>> >>
>> >> 73 de Billy, AA4NU
>> >>
>> >> -----Original Message-----
>> >> >From: Tony Sokol <tonysokol@...
>> <mailto:tonysokol%40sbcglobal.net>
>> >> <mailto:tonysokol%40sbcglobal.net>>
>> >> >Sent: Aug 17, 2009 10:48 PM
>> >> >To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>> <mailto:orion565%40yahoogroups.com>
>> >> >Subject: [orion565] What software version?
>> >> >
>> >> >Hi Gang,
>> >> >
>> >> > I am new to the list and probably missed a lot of discussion on
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>> >> >had installed Version 2.041XL which I do realize is a Beta program.
>> >> >Well, I had the "red screen" which I assume refers to the sweep
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>> >> >to mix the spectrum and waterfall functions resulting in that
>> part of
>> >> >the screen turning red and displaying both.
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>> >> >gotten better, it still has the same problem. If I turn the rig
>> off and
>> >> >let it reboot, the problem goes away...for a while.
>> Sooooo....what is
>> >> >the preferred version? I am guessing 2.039d but am curious what
>> others
>> >> >have found and reverted back to if, in fact, they did go back a
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>> >> >
>> >> > Incidentally, I also have the Omni VII which I have had since the
>> >> >beginning and am really torn between the two! They are BOTH really
>> >> >great...no, outstanding rigs. I just could not resist the
>> opportunity
>> >> >to try out the Orion while I had the chance.
>> >> >
>> >> > Thanks
>> >> > 73
>> >> >Tony - W9JXN
>>
>>
>
>

5487. Re: [orion565] What software version? Follow up

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-20 07:19:41 UTC
From: Henrik Weiss
Topic: 5467 Message: 5487

I installed the firmware 2.041XT yesterday.

In the menus section, I see some the text appearing from the front
operational window overlapping the actual menu text.

Am I the only one?

Henrik
OZ1ING

----- Original meddelelse -----

> Fra: Tony Sokol <tonysokol@...>
> Til: orion565@yahoogroups.com
> Dato: Ons, 19. aug 2009 23:35
> Emne: Re: [orion565] What software version? Follow up
>
> Billy,
>
> Tried that last night. Came down from 40 meters to check into the
> Collins net on 3805. A couple of minutes later with the RF gain waaay
> down due to tons of QRN and the attenuator kicked in, the dreaded
> "Red
> Screen" reared it's ugly head. It kept up until I shut the rig down
> completely and let it reboot. It worked perfectly the rest of the
> net.
>
> One of the guys that is using an Orion II has not seen the problem.
> He is also using screen choice 4 instead of 3 which most of us are
> using. I don't know if hat has anything to do with it but I kind of
> like it a little better. It is doesn't appear overly busy with the
> toned down colors. I do think it would be a little nicer if the Main
> Receiver used the brighter green readout rather than the Sub
> receiver.
> Just an observation.
>
> One last note: I called TT today and yes, they are, in fact, still
> experiencing the problem and trying to chase it down. I told them I
> can
> certainly understand what they are dealing with. Every time we update
> Windows, we end up with updates for the updates. That's what software
> does. It's kind of like trying to keep 20 corks underwater at the
> same
> time! That's also why this is a still Beta program.
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> 73

> Tony - W9JXN
>
> Tony Sokol wrote:
> > Thanks, I'll give it shot. It does appear to be aggravated by
> strong
> > signals.
> > Billy Cox wrote:
> >>
> >>
> >> Hi Tony,
> >>
> >> Try setting your RF GAIN to 60%, and see if the "red out" stops.
> >>
> >> I believe that's the threshold I found here from doing some
> testing.
> >>
> >> 73 de Billy, AA4NU
> >>
> >> -----Original Message-----
> >> >From: Tony Sokol < tonysokol@... [mailto:tonysokol%40sbcglobal.net]
> >> <mailto:tonysokol%40sbcglobal.net>>
> >>
> >> >Hi Billy,
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> >> > I did that and it works for a while but comes back rather
> quickly.
> >> >Turning the rig off and on seems to keep it working for a much
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> >> >period although that may be just my perception.
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> >> >Tony
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> >> >
> >> >Billy Cox wrote:
> >> >>
> >> >>
> >> >> Tony, no need to turn the rig on/off, just switch the SWEEP
> on/off.
> >> >>
> >> >> I am running the latest beta here ... with few problems as
> noted.
> >> >>
> >> >> 73 de Billy, AA4NU
> >> >>
> >> >> -----Original Message-----
> >> >> >From: Tony Sokol < tonysokol@... [mailto:tonysokol%40sbcglobal.net]
> >> <mailto:tonysokol%40sbcglobal.net>
> >> >> <mailto:tonysokol%40sbcglobal.net>>
> >> >> >Sent: Aug 17, 2009 10:48 PM
> >> >> >To: orion565@yahoogroups.com [mailto:orion565%40yahoogroups.com]

> <mailto:orion565%40yahoogroups.com>
> >> <mailto:orion565%40yahoogroups.com>
> >> >> >Subject: [orion565] What software version?
> >> >> >
> >> >> >Hi Gang,
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> >> >> > I am new to the list and probably missed a lot of discussion
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> >> >> > Incidentally, I also have the Omni VII which I have had since
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> >> >> >to try out the Orion while I had the chance.
> >> >> >
> >> >> > Thanks
> >> >> > 73
> >> >> >Tony - W9JXN
> >>

> >>
> >
> >
>
>

[Non-text portions of this message have been removed]

5488. Memory Bank

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-20 14:35:41 UTC
From: n9aop2000
Topic: 5488 Message: 5488

To recall what is in memory, press the recall button located at the lower left of the screen and then make the on-screen choice that you need depending where you stored them.
Art

5489. Re: [orion565] What software version? Follow up

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-20 17:10:40 UTC
From: Tony Sokol
Topic: 5467 Message: 5489

Henrik,
I am running the same version and have not experienced what you
describe. I would try reloading the new version again. Probably a bit
out of place somewhere. You might even want to try downloading it again
to be sure you are installing a clean copy.

73
Tony - W9JXN

Henrik Weiss wrote:
>
>
> I installed the firmware 2.041XT yesterday.
>
> In the menus section, I see some the text appearing from the front
> operational window overlapping the actual menu text.
>
> Am I the only one?
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> Henrik
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> ----- Original meddelelse -----
>
> > Fra: Tony Sokol <tonysokol@...
> <mailto:tonysokol%40sbcglobal.net>>
> > Til: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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> > Billy,
> >
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> > Screen" reared it's ugly head. It kept up until I shut the rig down
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> > >> >> >To: orion565@yahoogroups.com
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> > >> >> >Subject: [orion565] What software version?
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> > >> >> >Hi Gang,
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> > >
> > >
> > >
> > >
>
> [Non-text portions of this message have been removed]
>
>

5490. 302R Remote

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-21 14:54:25 UTC
From: adb1x1
Topic: 5490 Message: 5490

I know this has probably been asked by several people, but does anyone have a 302R remote pod they might want to part with?

5491. Re: 302R Remote

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-21 21:48:18 UTC
From: kd6hq
Topic: 5490 Message: 5491

--- In orion565@yahoogroups.com, "adb1x1" <adb1x1@...> wrote:
>
> I know this has probably been asked by several people, but does anyone have a 302R remote pod they might want to part with?
>

FYI

There's one on e-bay right now - (not mine).

good luck

5492. Re: 302R Remote

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-22 01:46:06 UTC
From: adb1x1
Topic: 5490 Message: 5492

Thanks for the info. I did see that one, but was kind of wanting the black 302R.

I did find one though!

--- In orion565@yahoogroups.com, "kd6hq" <kd6hq@...> wrote:
>
> --- In orion565@yahoogroups.com, "adb1x1" <adb1x1@> wrote:
> >
> > I know this has probably been asked by several people, but does anyone have a 302R remote pod they might want to part with?
> >
>
> FYI
>
> There's one on e-bay right now - (not mine).
>
> good luck
>

5493. WANT TO BUY

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-22 03:37:54 UTC
From: n8lpq
Topic: 5493 Message: 5493

I am in need to buy a Ten Tec Model 1208 6 Meter Transverter Also would like to find the Ten-tec 1210. I would like to get a factory build but would consider other. Let me know what you have. Thanks
Ed N8LPQ

5494. Having to reset the Notch

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-22 18:16:18 UTC
From: n8lpq
Topic: 5494 Message: 5494

Hello Guys, I am now running the Beta version 2.063Xg. I like what TT did with the sweep. I did notice that everytime I turn on the radio I have to reset the notch. So If I had it on when I shut down even though the radio shows it on I still have to turn it off and back onn again to make it work???????????????? I will call Tony Monday and let you guys know what's up. Is anyone else having this small problem??
Ed N8LPQ

5495. RE: [orion565] Having to reset the Notch

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-22 18:51:14 UTC
From: John T. Fleming
Topic: 5494 Message: 5495

Ed,

I have the same problem. There is a foreign station on 3.985 every evening. I notch it. When I turn the radio back on, it have to push the button again even though it indicates it is on. I reported it to DitsnBits.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of n8lpq
Sent: Saturday, August 22, 2009 2:16 PM
To: orion565@yahoogroups.com
Subject: [orion565] Having to reset the Notch

Hello Guys, I am now running the Beta version 2.063Xg. I like what TT did with the sweep. I did notice that everytime I turn on the radio I have to reset the notch. So If I had it on when I shut down even though the radio shows it on I still have to turn it off and back onn again to make it work???????????????? I will call Tony Monday and let you guys know what's up. Is anyone else having this small problem??
Ed N8LPQ

[Non-text portions of this message have been removed]

5496. RE: [orion565] Having to reset the Notch

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-22 19:23:18 UTC
From: Ed Menasian
Topic: 5494 Message: 5496

OK John,
     Thanks for letting me know you have the same problem. Wonder? Do you have on 2003 version???? That is one thing I am going to start and see if year made have anything to do with certain thing. Even though TT says they all the same. I would like to see if when posting if people would put year made in the post some where. Maybe just maybe we might stumble on something. Thanks again John.

--- On Sat, 8/22/09, John T. Fleming <john@...> wrote:

From: John T. Fleming <john@...>
Subject: RE: [orion565] Having to reset the Notch
To: orion565@yahoogroups.com
Date: Saturday, August 22, 2009, 2:51 PM

Ed,

I have the same problem. There is a foreign station on 3.985 every evening.

I notch it. When I turn the radio back on, it have to push the button again

even though it indicates it is on. I reported it to DitsnBits.

73,

John

From: orion565@yahoogroup s.com [mailto:orion565@yahoogroup s.com] On Behalf

Of n8lpq

Sent: Saturday, August 22, 2009 2:16 PM

To: orion565@yahoogroup s.com

Subject: [orion565] Having to reset the Notch

Hello Guys, I am now running the Beta version 2.063Xg. I like what TT did

with the sweep. I did notice that everytime I turn on the radio I have to

reset the notch. So If I had it on when I shut down even though the radio

shows it on I still have to turn it off and back onn again to make it

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up. Is anyone else having this small problem??

Ed N8LPQ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5497. OT-11P Upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-24 16:33:33 UTC
From: adb1x1
Topic: 5497 Message: 5497

Anyone on the list know of a source for the upgrade to the OT-11P (the LDG Orion antenna tuner). I have v1.0.

Seems LDG no longer has it.

5498. Re: Having to reset the Notch

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-25 14:56:37 UTC
From: k1fpv
Topic: 5494 Message: 5498

Hi Guys,

I too have that problem. It isn't a big one, but on occasion, it is a bit annoying. I'm using my Orion II with the 2.041XT firmware. I don't get the big red area in the scope but occasionally see a signal that comes up in red. For the most part, it isn't a big problem for me....but I do miss not having the calibration above the scope. I'm undecided on the waterfall display.

Bill
K1FPV

--- In orion565@yahoogroups.com, "John T. Fleming" <john@...> wrote:
>
> Ed,
>
>
>
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> I notch it. When I turn the radio back on, it have to push the button again
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> Hello Guys, I am now running the Beta version 2.063Xg. I like what TT did
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> reset the notch. So If I had it on when I shut down even though the radio
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> work???????????????? I will call Tony Monday and let you guys know what's

> up. Is anyone else having this small problem??
> Ed N8LPQ
>
>
>
> [Non-text portions of this message have been removed]
>

5499. Orion Encoder Replacement.

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-25 19:48:58 UTC
From: adb1x1
Topic: 5499 Message: 5499

I just completed replacing all of the mechanical encoders (6) on my Orion 1 and thought I'd share soen info.

Only 1 was bad (had dead spots), but I had this bright idea that I would replace them all so I wouldn't have to to do it anytime soon.

This did complicate things a bit, but did solve the problem I knew I had with one, and made one other work much smoother.

KE5C made a series of photos detailing how to get to the encoder board and replace an encoder (http://www.w4ish.net/Manuals/pdf/Orion%20RIT%20Encoder%20Replacement.pdf). This is a very good starting point. I've listed some details I had to deal with replacing them all.

One additional thing I ran into: The VFO A and B encoder shafts pass through a bearing. The knob screws had been tightened down so tightly, that a 'nick' was left on the shafts; large enough to not allow it pass through the bearing. I had to polish this down to get these encoders out.

Here are the details:

1. The BEST thing would be to order the connector and bare board from Ten-Tec if they have these items available, and put new encodes on it.

2. Take great care in handling the board that has the gold contacts for the `chicklet' keys. I consider this a design weakness in the Orion. Not only are such keys mushy, they are easy to damage. Tactile switches with hinged buttons would have been so much better. While they work, it does complicate handling this board when servicing. I used close knit cotton gloves when handling it and made sure the room was as dust free as possible. Also made sure to wash my hands before any handling of this board, before putting the gloves on. It's very easy to cause these things to bounce or not work at all. Oil on the pads or dust on the rubber contact inside the switch will cause all kinds of problems. The smaller section of rubber `switches' will stay on the board pretty easily, but not the section around the LCD opening. This board and the chicklets were covered after the encoder board was removed.

3. Don't waste time trying to preserve an old encoder; clip the pins and if you have a Dremel or something similar, cut the mounting brackets on the encoder, then remove the pins and clips from the board. Be careful pulling the cut pins out because you can pull a pad off with the pin, especially on plated through holes; make sure the solder is well melted. The pins going through the ground plane are more apt to be a problem, the others will pretty well fall out when the pad is heated.

4. I do not have a de-soldering station due to the fact that it would be very expensive for the occasional use I would give it, so removing the old encoders was very time consuming. A bulb type de-soldering iron worked fine for the contacts that were not going through the ground plane, but didn't do much with those connections that were. Solder wick and a 100

watt gun did ok, but I finally had to use the heat and tap method (melt the solder and tap the board against something to splatter the solder out). The mounting clips required the 100 watt gun and gentle pulling on the encoder. Basically getting one side out a little and then the other until it was free. 100 watts was required, but not something you want to leave on the pad too long.

5. There is no wiggle room on this board. The tolerances for the mounting holes are very close. The holes for the clips have to be as near to solder free as possible to be able to get the new encoders on. I trimmed what I couldn't wick, suck or sling off with an Xacto knife. Even then, I had to push a small, thin flat head screwdriver into the mounting holes to make them large enough to press the encoder mounting clips into. Even after all of this, it took some very firm pressure to push them in.

6. The new encoders have an indexing tab. This needs to be cut off flush. I used a polishing wheel on a Dremel to make sure it was smooth. The metal is soft, so it's easily cut.

7. The encoder pins are very thin, and I expect, could be damage easily, so be sure to line them up well with the corresponding holes and be sure the holes are clean before pushing the encoders onto the board (when I said firm pressure before, I meant really firm at times. Might be easy to break a pin is it isn't well placed.)

8. Once I had all of the encoders pressed onto the board, before I soldered anything in place, I donned the cotton gloves and mounted the encoder board into place (with the spacers) and tightened the nylon/plastic (not sure which) `nuts' that hold this board onto the panel switch board. Once I had verified that all the encoders turned freely. I soldered one clip and a couple of pins, so the encoder would stay in place. I removed the board and soldered everything well. Again, the clips required the 100 watt gun (as well as any pins that passed through the ground plane). Exercise caution in heating the connection for too long with a 100 watt gun.

9. I clipped any excess from the leads and then used a flux removal pen to clean up the flux. This isn't absolutely necessary, but the less `sticky' stuff on the board, the better. Then wiped the board off with a clean lint-free cloth (gently).

Anthony, K4ZNO (ex NT4X)

5500. Re: Orion Encoder Replacement.

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-25 20:15:49 UTC
From: pa1ap
Topic: 5499 Message: 5500

GREAT to hear the result has been good for you and THANK you so much for taking the time to share your experience with us! Thanks and best regards, Onno pa1ap

--- In orion565@yahoogroups.com, "adb1x1" <adb1x1@...> wrote:
>
> I just completed replacing all of the mechanical encoders (6) on my Orion 1 and thought I'd share soen info.
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> KE5C made a series of photos detailing how to get to the encoder board and replace an encoder (http://www.w4ish.net/Manuals/pdf/Orion%20RIT%20Encoder%20Replacement.pdf). This is a very good starting point. I've listed some details I had to deal with replacing them all.
>
> One additional thing I ran into: The VFO A and B encoder shafts pass through a bearing. The knob screws had been tightened down so tightly, that a 'nick' was left on the shafts; large enough to not allow it pass through the bearing. I had to polish this down to get these encoders out.
>
> Here are the details:
>
> 1. The BEST thing would be to order the connector and bare board from Ten-Tec if they have these items available, and put new encodes on it.
>
> 2. Take great care in handling the board that has the gold contacts for the `chicklet' keys. I consider this a design weakness in the Orion. Not only are such keys mushy, they are easy to damage. Tactile switches with hinged buttons would have been so much better. While they work, it does complicate handling this board when servicing. I used close knit cotton gloves when handling it and made sure the room was as dust free as possible. Also made sure to wash my hands before any handling of this board, before putting the gloves on. It's very easy to cause these things to bounce or not work at all. Oil on the pads or dust on the rubber contact inside the switch will cause all kinds of problems. The smaller section of rubber `switches' will stay on the board pretty easily, but not the section around the LCD opening. This board and the chicklets were covered after the encoder board was removed.
>
> 3. Don't waste time trying to preserve an old encoder; clip the pins and if you have a Dremel or something similar, cut the mounting brackets on the encoder, then remove the pins and clips from the board. Be careful pulling the cut pins out because you can pull a pad off with the pin, especially on plated through holes; make sure the solder is well melted.

The pins going through the ground plane are more apt to be a problem, the others will pretty well fall out when the pad is heated.
>
> 4. I do not have a de-soldering station due to the fact that it would be very expensive for the occasional use I would give it, so removing the old encoders was very time consuming. A bulb type de-soldering iron worked fine for the contacts that were not going through the ground plane, but didn't do much with those connections that were. Solder wick and a 100 watt gun did ok, but I finally had to use the heat and tap method (melt the solder and tap the board against something to splatter the solder out). The mounting clips required the 100 watt gun and gentle pulling on the encoder. Basically getting one side out a little and then the other until it was free. 100 watts was required, but not something you want to leave on the pad too long.
>
> 5. There is no wiggle room on this board. The tolerances for the mounting holes are very close. The holes for the clips have to be as near to solder free as possible to be able to get the new encoders on. I trimmed what I couldn't wick, suck or sling off with an Xacto knife. Even then, I had to push a small, thin flat head screwdriver into the mounting holes to make them large enough to press the encoder mounting clips into. Even after all of this, it took some very firm pressure to push them in.
>
> 6. The new encoders have an indexing tab. This needs to be cut off flush. I used a polishing wheel on a Dremel to make sure it was smooth. The metal is soft, so it's easily cut.
>
> 7. The encoder pins are very thin, and I expect, could be damage easily, so be sure to line them up well with the corresponding holes and be sure the holes are clean before pushing the encoders onto the board (when I said firm pressure before, I meant really firm at times. Might be easy to break a pin is it isn't well placed.)
>
> 8. Once I had all of the encoders pressed onto the board, before I soldered anything in place, I donned the cotton gloves and mounted the encoder board into place (with the spacers) and tightened the nylon/plastic (not sure which) `nuts' that hold this board onto the panel switch board. Once I had verified that all the encoders turned freely. I soldered one clip and a couple of pins, so the encoder would stay in place. I removed the board and soldered everything well. Again, the clips required the 100 watt gun (as well as any pins that passed through the ground plane). Exercise caution in heating the connection for too long with a 100 watt gun.
>
> 9. I clipped any excess from the leads and then used a flux removal pen to clean up the flux. This isn't absolutely necessary, but the less `sticky' stuff on the board, the better. Then wiped the board off with a clean lint-free cloth (gently).
>
>
> Anthony, K4ZNO (ex NT4X)
>

5501. Orion 565 updates

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-25 23:59:01 UTC
From: hummerham
Topic: 5501 Message: 5501

I'm a new owner of a 565 Orion. Mine has ver 2.059 and I want to try 2.062a, and I have downloaded the file & have computer connected to the radio, but I can't find how to put the Orion in the update mode. Can anyone give me a quick tutorial on this please? Thanks in advance & 73.

Butch...K3AFR
k3afr@...

5502. Re: [orion565] Orion 565 updates

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-26 00:10:42 UTC
From: Alan Sewell N5NA
Topic: 5501 Message: 5502

Press and hold USER1 button while turning on the rig. Then run the
update program.

73,

Alan N5NA

hummerham wrote:
> I'm a new owner of a 565 Orion. Mine has ver 2.059 and I want to try 2.062a, and I have downloaded the file & have computer connected to the radio, but I can't find how to put the Orion in the update mode. Can anyone give me a quick tutorial on this please? Thanks in advance & 73.
>
>
> Butch...K3AFR
> k3afr@...
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> Yahoo! Groups Links
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5503. experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-27 13:00:06 UTC
From: pa1ap
Topic: 5503 Message: 5503

Greetings,

Does anyone have experience with the #902 inrad filter which is available? Its promise of 4 Khz bandwidth instead of the stock 20Khz bandwidth could significantly improve the sub receiver performance....

Understand it would compromise the reception of wideband AM/FM but I never cared about those modes anyway....

Interested to learn experience on this.

Thanks and regards, Onno pa1ap

5504. Head-Phone volume in Orion2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-28 08:15:52 UTC
From: Peter Frenning [OZ1PIF]
Topic: 5504 Message: 5504

I have the (perceived) problem that the volume from my head-set
headphones is much lower than the equivalent speaker volume. I'm using a
Danmike head-set (32 Ohm, 97dB @ 1mW (IEC 318))

Is there any way to adjust the relative output volume between the
speaker and head phone outputs?

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

5505. Re: [orion565] Head-Phone volume in Orion2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-28 08:46:17 UTC
From: Rob - G4LMW
Topic: 5504 Message: 5505

Peter

I have the same problem. Please let me know if you get any off-list responses.

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Peter Frenning [OZ1PIF]" <peter@...>
To: "Discussion of Ten-Tec Equipment" <tentec@...>; <orion565@yahoogroups.com>
Sent: Friday, August 28, 2009 9:15 AM
Subject: [orion565] Head-Phone volume in Orion2

>I have the (perceived) problem that the volume from my head-set
> headphones is much lower than the equivalent speaker volume. I'm using a
> Danmike head-set (32 Ohm, 97dB @ 1mW (IEC 318))
>
> Is there any way to adjust the relative output volume between the
> speaker and head phone outputs?
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> ** CW: Who? Me? You must be joking!! **
> email: peter(no-spam-filler)@...
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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5506. RE: [orion565] Head-Phone volume in Orion2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-28 14:05:54 UTC
From: Andrew B. Steen
Topic: 5504 Message: 5506

Gentlemen. Not sure what firmware you are running, but the new beta has corrected that problem. I am running the latest beta, and have plenty of headphone volume.

73, Andrew K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Rob - G4LMW
Sent: Friday, August 28, 2009 1:46 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Head-Phone volume in Orion2

Peter

I have the same problem. Please let me know if you get any off-list responses.

73, Rob
G4LMW
http://www.G4LMW. <http://www.G4LMW.co.uk> co.uk

----- Original Message -----
From: "Peter Frenning [OZ1PIF]" <peter@frenning.
<mailto:peter%40frenning.dk> dk>
To: "Discussion of Ten-Tec Equipment" <tentec@contesting.
<mailto:tentec%40contesting.com> com>;
<orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com>
Sent: Friday, August 28, 2009 9:15 AM
Subject: [orion565] Head-Phone volume in Orion2

>I have the (perceived) problem that the volume from my head-set
> headphones is much lower than the equivalent speaker volume. I'm using a
> Danmike head-set (32 Ohm, 97dB @ 1mW (IEC 318))
>
> Is there any way to adjust the relative output volume between the
> speaker and head phone outputs?
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> ** CW: Who? Me? You must be joking!! **
> email: peter(no-spam-filler)@...
> http://www.frenning <http://www.frenning.dk/oz1pif.htm> .dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:

> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **********
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

5507. Re: [orion565] Head-Phone volume in Orion2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-28 14:13:58 UTC
From: Peter Frenning [OZ1PIF]
Topic: 5504 Message: 5507

Andrew B. Steen skrev:
> Gentlemen. Not sure what firmware you are running, but the new beta has
> corrected that problem. I am running the latest beta, and have plenty of
> headphone volume.
>
> 73, Andrew K6STN
>
Unless there is something newer than 2.041XT available that has escaped
my attention, then that is not the case - it might have been worse
before, I don't know about that, but it's definitely a problem with 2.041XT

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

5508. Inrad #762 600Hz replacement filter 1Khz filter

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-28 14:31:05 UTC
From: pa1ap
Topic: 5508 Message: 5508

Greetings,

I was fortunate enough to buy an inrad filter 2nd hand and used the opportunity to take some measurements while installing it. I have uploaded the pictures into the photo section.

I don't have professional equipment but you can see the difference clearly. Especially when using the pass band tuning function combined with the new 600Hz bandwidth roofing filter removes neighbor signals (at one end of course) very effective. I have not been able to capture the difference using PBT unfortunately.

I only wish the DSP switch point would be adjustable to filters installed. Right now it is "hard coded" and it would be very nice to be able to configure when a specific filter slot is used. I am not sure who uses the 20Khz slot but it would be nice to be able to insert different filters depending on the mode one prefers to operate. It would be cool to be able to change the 6Khz slot wth a 2.8Khz filter and the 20Khz slot with the 6Khz filter. Adjust the DSP BW selector to the new filter slots and one could have a perfect selectivity... Its a dream and most likely it will stay like that :-(

Best regards,
Onno, pa1ap

5509. RE: [orion565] Head-Phone volume in Orion2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-28 14:46:58 UTC
From: Andrew B. Steen
Topic: 5504 Message: 5509

You must have other issues. I have more than sufficient volume with both Heil, and Radio Shack stereo phones.

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Peter Frenning [OZ1PIF]
Sent: Friday, August 28, 2009 7:14 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Head-Phone volume in Orion2

Andrew B. Steen skrev:
> Gentlemen. Not sure what firmware you are running, but the new beta has
> corrected that problem. I am running the latest beta, and have plenty of
> headphone volume.
>
> 73, Andrew K6STN
>
Unless there is something newer than 2.041XT available that has escaped my attention, then that is not the case - it might have been worse before, I don't know about that, but it's definitely a problem with 2.041XT

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning <http://www.frenning.dk/oz1pif.htm> .dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

5510. RE: [orion565] Inrad #762 600Hz replacement filter 1Khz filter

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-28 14:51:02 UTC
From: Andrew B. Steen
Topic: 5508 Message: 5510

Onno. I am curious as to what software you are using to look at the filter shapes.

Regards, Andrew K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Friday, August 28, 2009 7:31 AM
To: orion565@yahoogroups.com
Subject: [orion565] Inrad #762 600Hz replacement filter 1Khz filter

Greetings,

I was fortunate enough to buy an inrad filter 2nd hand and used the opportunity to take some measurements while installing it. I have uploaded the pictures into the photo section.

I don't have professional equipment but you can see the difference clearly. Especially when using the pass band tuning function combined with the new 600Hz bandwidth roofing filter removes neighbor signals (at one end of course) very effective. I have not been able to capture the difference using PBT unfortunately.

I only wish the DSP switch point would be adjustable to filters installed. Right now it is "hard coded" and it would be very nice to be able to configure when a specific filter slot is used. I am not sure who uses the 20Khz slot but it would be nice to be able to insert different filters depending on the mode one prefers to operate. It would be cool to be able to change the 6Khz slot wth a 2.8Khz filter and the 20Khz slot with the 6Khz filter. Adjust the DSP BW selector to the new filter slots and one could have a perfect selectivity... Its a dream and most likely it will stay like that :-(

Best regards,
Onno, pa1ap

[Non-text portions of this message have been removed]

5511. Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-28 16:03:18 UTC
From: ve7tk
Topic: 5503 Message: 5511

Excellent question Onno! I too would be interested in any feedback as well.

Some feedback on swapping out the 450 kHz filter would also be of interest. It is a EuroQuartz LTW33-450D with a +/-10kHz bandwidth. There is a narrow version of this filter (+/-7.5 kHz) available. Even narrower versions with slightly higher insertion loss (as narrow as +/- 2 kHz).

I know Barry, N1EU, was looking at the 455 filter as well.

73,
Rick
VE7TK

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings,
>
> Does anyone have experience with the #902 inrad filter which is available? Its promise of 4 Khz bandwidth instead of the stock 20Khz bandwidth could significantly improve the sub receiver performance....
>
> Understand it would compromise the reception of wideband AM/FM but I never cared about those modes anyway....
>
> Interested to learn experience on this.
>
> Thanks and regards, Onno pa1ap
>

5512. Orion I Volume (Was Head-Phone volume in Orion2)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-28 17:44:29 UTC
From: Rob - G4LMW
Topic: 5512 Message: 5512

I was a bit hasty in tagging onto Peter's Original mail

My problem is with my O1 running v1.372. While I have (just) sufficient audio to drive the headphones/headset (I have 8 pairs of headsets/phones and all are the same), if I unplug the headphones the external (and internal) speaker volume is enough to shatter the windows.

However, 600 Ohm headphones are much better (but I am guessing the audio output was designed for low impedance output).

73, Rob
G4LMW
http://www.G4LMW.co.uk

5513. Re: [orion565] Head-Phone volume in Orion2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-28 17:47:22 UTC
From: James Streible
Topic: 5504 Message: 5513

Peter,

I have the same problem. I have read the comments from others that say
they have plenty
of headphone volume but I have always had this problem with my Orion II.

The way I solved it was to get a headphone amplifier from Ramsey
Electronics.
The model number is SHA1C. US dollar cost is $32.95. I have been using 2
of these
amplifiers for about 3 years and they work fine. No problem with RF and
I am
bringing ladder line right into the shack.

With the amp input coming from the Orion headphone jack I can now run the
volume control on the Orion at 50 per cent and have more then enough
headphone
volume. The Ramsey unit has a separate volume adjustment for each channel so
you can balance the level in each ear.

Hope this is of some help to you.

73,

Jim K4DLI

Peter Frenning [OZ1PIF] wrote:
>
>
> I have the (perceived) problem that the volume from my head-set
> headphones is much lower than the equivalent speaker volume. I'm using a
> Danmike head-set (32 Ohm, 97dB @ 1mW (IEC 318))
>
> Is there any way to adjust the relative output volume between the
> speaker and head phone outputs?
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> ** CW: Who? Me? You must be joking!! **
> email: peter(no-spam-filler)@...
> http://www.frenning.dk/oz1pif.htm <http://www.frenning.dk/oz1pif.htm>
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.

> Denmark
> **********
>
> [Non-text portions of this message have been removed]
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>

5514. Re: Inrad #762 600Hz replacement filter 1Khz filter

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-28 18:56:58 UTC
From: pa1ap
Topic: 5508 Message: 5514

Greetings,

I am running Ubuntu linux and the application is called baudline. I am connecting orion line out to a soundcard and the application creates various FFT displays etc.

Unfortunately I don't have a traffic generator with sweep capabilities, that would be great to test the AGC system as well. When the opportunity arises I will buy one.

Hope this helps, best regards, Onno pa1ap

--- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@...> wrote:
>
> Onno. I am curious as to what software you are using to look at the filter
> shapes.
>
> Regards, Andrew K6STN
>
>
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of pa1ap
> Sent: Friday, August 28, 2009 7:31 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Inrad #762 600Hz replacement filter 1Khz filter
>
>
>
>
>
>
> Greetings,
>
> I was fortunate enough to buy an inrad filter 2nd hand and used the
> opportunity to take some measurements while installing it. I have uploaded
> the pictures into the photo section.
>
> I don't have professional equipment but you can see the difference clearly.
> Especially when using the pass band tuning function combined with the new
> 600Hz bandwidth roofing filter removes neighbor signals (at one end of
> course) very effective. I have not been able to capture the difference using
> PBT unfortunately.
>
> I only wish the DSP switch point would be adjustable to filters installed.
> Right now it is "hard coded" and it would be very nice to be able to
> configure when a specific filter slot is used. I am not sure who uses the

> 20Khz slot but it would be nice to be able to insert different filters
> depending on the mode one prefers to operate. It would be cool to be able to
> change the 6Khz slot wth a 2.8Khz filter and the 20Khz slot with the 6Khz
> filter. Adjust the DSP BW selector to the new filter slots and one could
> have a perfect selectivity... Its a dream and most likely it will stay like
> that :-(
>
> Best regards,
> Onno, pa1ap
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

5515. RE: [orion565] Re: Inrad #762 600Hz replacement filter 1Khz filter

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-29 14:22:37 UTC
From: Andrew B. Steen
Topic: 5508 Message: 5515

Thanks Onno. I am always interested in computer applications for amateur radio.

73, Andrew K6STN

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Friday, August 28, 2009 11:57 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Inrad #762 600Hz replacement filter 1Khz filter

Greetings,

I am running Ubuntu linux and the application is called baudline. I am connecting orion line out to a soundcard and the application creates various FFT displays etc.

Unfortunately I don't have a traffic generator with sweep capabilities, that would be great to test the AGC system as well. When the opportunity arises I will buy one.

Hope this helps, best regards, Onno pa1ap

--- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, "Andrew B. Steen" <n2gff@...> wrote:
>
> Onno. I am curious as to what software you are using to look at the filter
> shapes.
>
> Regards, Andrew K6STN
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>
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> _____
>
> From: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com [mailto:orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com] On Behalf
> Of pa1ap
> Sent: Friday, August 28, 2009 7:31 AM
> To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> Subject: [orion565] Inrad #762 600Hz replacement filter 1Khz filter
>
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>
>
> Greetings,
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> I was fortunate enough to buy an inrad filter 2nd hand and used the
> opportunity to take some measurements while installing it. I have uploaded
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> Especially when using the pass band tuning function combined with the new
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using
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> have a perfect selectivity... Its a dream and most likely it will stay
like
> that :-(
>
> Best regards,
> Onno, pa1ap
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>
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5516. 565 2063Xg user experience; include a small hang time

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-29 20:37:25 UTC
From: pa1ap
Topic: 5516 Message: 5516

Greetings,

While running the 565 with AF AGC I still found the audio a bit static even when there is no static in the air. Going back and forth with 2056 and 2063 confirmed time after time its the AGC causing the static sound. Also did A&B switch between orion and ts-480 and this also confirmed it (for me at least).

Unwillingly to surrender I have played with the controls and found introducing a small hang time certainly helps reducing what I perceive as static noise. I have set the hang time to 0.08 seconds and the static is much less then without the hang (bigger value is better but comes with a negative too). Seems to me the AGC attack is to aggresive and needs some peace prior kicking the signal.

Second setting the AGC slope to 2:10dB further smooths the signal, although its impact is only for the larger signals.

So it seems worth increasing the hang time as well setting the AGC slope to non flat.

I would also like to ask experience / advice of people running the max AF gain and reduced RF Gain model. In other words the model where the audio volume is controlled by RF gain and hence AGC is simply irrelevant in most cases... When I try this model I found that when there is no signal I hear normal noise, just as if the AF amplifier is noisy. Its a constant hiss through my speaker. Do other 565 users experience the same? To me it sounds logical that when you turn volume up to maximum you will hear the AF noise amplified through your speakers... but I might be wrong here.

My two cents, hope it helps. Best regards, Onno pa1ap

5517. Re: Orion I Volume (Was Head-Phone volume in Orion2)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-29 20:55:59 UTC
From: pa1ap
Topic: 5512 Message: 5517

Greetings,

It's simple but here is what I just tried (and it works fine);

I am using a ten-tec speaker (4 Ohms impedance) and just put a resistor inline of about 22 Ohm. This made the sound "equal" to the headset volume and my windows don't blow out of the building anymore.

As a (unexpected) side effect I can now use the reversed AF/RF gain model. AF gain at maximum does not generate excessive noise anymore and I can nicely turn up/down the speaker volume using the RF gain.

My 2 cents (or perhaps even less),

best regards, Onno pa1ap

--- In orion565@yahoogroups.com, "Rob - G4LMW" <G4LMW@...> wrote:
>
> I was a bit hasty in tagging onto Peter's Original mail
>
> My problem is with my O1 running v1.372. While I have (just) sufficient
> audio to drive the headphones/headset (I have 8 pairs of headsets/phones and
> all are the same), if I unplug the headphones the external (and internal)
> speaker volume is enough to shatter the windows.
>
> However, 600 Ohm headphones are much better (but I am guessing the audio
> output was designed for low impedance output).
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
>

5518. Re: [orion565] 565 2063Xg user experience; include a small hang time

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-30 00:35:47 UTC
From: Pumbaa
Topic: 5516 Message: 5518

Until I learned to control the volume with the RF gain control, I was bothered by the noise from the Orion. It seems too sensitive to background noise. I actually enjoy the analog sound from my Ten Tec Century 21 that has no AF AVC circuit when the band is not crowded. I certainly will give your suggestions a try.

Tom AG8K

----- Original Message -----
From: pa1ap
To: orion565@yahoogroups.com
Sent: Saturday, August 29, 2009 3:37 PM
Subject: [orion565] 565 2063Xg user experience; include a small hang time

Greetings,

While running the 565 with AF AGC I still found the audio a bit static even when there is no static in the air. Going back and forth with 2056 and 2063 confirmed time after time its the AGC causing the static sound. Also did A&B switch between orion and ts-480 and this also confirmed it (for me at least).

Unwillingly to surrender I have played with the controls and found introducing a small hang time certainly helps reducing what I perceive as static noise. I have set the hang time to 0.08 seconds and the static is much less then without the hang (bigger value is better but comes with a negative too). Seems to me the AGC attack is to aggresive and needs some peace prior kicking the signal.

Second setting the AGC slope to 2:10dB further smooths the signal, although its impact is only for the larger signals.

So it seems worth increasing the hang time as well setting the AGC slope to non flat.

I would also like to ask experience / advice of people running the max AF gain and reduced RF Gain model. In other words the model where the audio volume is controlled by RF gain and hence AGC is simply irrelevant in most cases... When I try this model I found that when there is no signal I hear normal noise, just as if the AF amplifier is noisy. Its a constant hiss through my speaker. Do other 565 users experience the same? To me it sounds logical that when you turn volume up to maximum you will hear the AF noise amplified through your speakers... but I might be wrong here.

My two cents, hope it helps. Best regards, Onno pa1ap

[Non-text portions of this message have been removed]

5519. request to moderators, as well feedback from users

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-30 06:22:27 UTC
From: pa1ap
Topic: 5519 Message: 5519

Greetings,

Yahoo groups allows including questions and answer applications to be used by group members (look at left Groups Labs (beta) applications).

To test this I have started a test group and creates a issue reporting template which allows the group to structure issues and solicit feedback from other members. As a result we would have a structured list of issues found and when users provides feedback this gets automatically associated with the issue.

I have uploaded a photo of the template and hope other users and the group moderators recognize the advantage of such structure.

Best regards, Onno pa1ap

5520. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-30 06:25:54 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5520

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /report issue and solicit feedback.png
Uploaded by : pa1ap <pa1ap@...>
Description : Issue report function Yahoo groups

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/report%20issue%20and%20solicit%20feedback.png

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5521. Re: [TenTec] Head-Phone volume in Orion2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-30 21:53:00 UTC
From: Peter Frenning [OZ1PIF]
Topic: 5521 Message: 5521

Jim Brown K9YC skrev:
> On Sun, 30 Aug 2009 13:58:41 -0600, Dr. Gerald N. Johnson wrote:
>
>
>> True enough a $4600 radio should NOT need such a patch.
>>
>
> That's the point.
>
> Jim
>
So allow me to sum it up:

A) Others are experiencing the same problem;
B)There's no user accessible adjustment available; and
C) It's really something that TT should fix in the FW, either "just fix it" or make it user adjustable.

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

5522. RE: [orion565] Re: [TenTec] Head-Phone volume in Orion2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-08-31 03:21:06 UTC
From: Tony Lelieveld
Topic: 5521 Message: 5522

Hi all.

On my ORION-II the headphone audio is just fine. It's very nicely balanced and switching between the speaker and head phones I don't need to touch the volume control at all. I am using a 25 year old pair of Canadian Tire "Pulser Dynamic Stereo Headphones" model MD-802B, 8 Ohm impedance with small speakers inside. I am using F.W. Vers. 2.041XT.

I wonder what others think of the Noise Reduction feature of the O-II. Lots of times I find it to be chopping and distorting the audio no matter at what setting I use. It seems to be somewhat better at wider audio bandwidth settings but I have certainly heard better ones from other non T.T. radios.

73, Tony Lelieveld VE3DWI

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Peter Frenning [OZ1PIF]
Sent: August 30, 2009 17:53
To: Discussion of Ten-Tec Equipment; orion565@yahoogroups.com
Subject: [orion565] Re: [TenTec] Head-Phone volume in Orion2

Jim Brown K9YC skrev:
> On Sun, 30 Aug 2009 13:58:41 -0600, Dr. Gerald N. Johnson wrote:
>
>
>> True enough a $4600 radio should NOT need such a patch.
>>
>
> That's the point.
>
> Jim
>
So allow me to sum it up:

A) Others are experiencing the same problem;
B)There's no user accessible adjustment available; and
C) It's really something that TT should fix in the FW, either "just fix it" or make it user adjustable.

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning <http://www.frenning.dk/oz1pif.htm> .dk/oz1pif.htm

Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5523. New poll for orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-01 06:27:03 UTC
From: orion565@yahoogroups.com
Topic: 7 Message: 5523

Enter your vote today! A new poll has been created for the
orion565 group:

My speaker connected to orion has the following impedance (select one):

There is discussion going on with regards to the Orion audio
output and it might be related to speaker impedance.

If we get sufficient response, the second poll will be about issues found
when using certain speaker impedance.

o 2 Ohm
o 4 Ohm
o 8 Ohm
o 10-20 Ohm
o >20 Ohm

To vote, please visit the following web page:
http://groups.yahoo.com/group/orion565/surveys?id=12939520

Note: Please do not reply to this message. Poll votes are
not collected via email. To vote, you must go to the Yahoo! Groups
web site listed above.

Thanks!

5524. Re: [TenTec] Head-Phone volume in Orion2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-01 06:30:08 UTC
From: pa1ap
Topic: 5521 Message: 5524

What type of speaker are you using?

--- In orion565@yahoogroups.com, "Tony Lelieveld" <ve3dwi@...> wrote:
>
> Hi all.
>
> On my ORION-II the headphone audio is just fine. It's very nicely balanced
> and switching between the speaker and head phones I don't need to touch the
> volume control at all. I am using a 25 year old pair of Canadian Tire
> "Pulser Dynamic Stereo Headphones" model MD-802B, 8 Ohm impedance with small
> speakers inside. I am using F.W. Vers. 2.041XT.
>
>
>
> I wonder what others think of the Noise Reduction feature of the O-II. Lots
> of times I find it to be chopping and distorting the audio no matter at what
> setting I use. It seems to be somewhat better at wider audio bandwidth
> settings but I have certainly heard better ones from other non T.T. radios.
>
>
>
> 73, Tony Lelieveld VE3DWI
>
>
>
> -----
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Peter Frenning [OZ1PIF]
> Sent: August 30, 2009 17:53
> To: Discussion of Ten-Tec Equipment; orion565@yahoogroups.com
> Subject: [orion565] Re: [TenTec] Head-Phone volume in Orion2
>
>
>
>
>
> Jim Brown K9YC skrev:
> > On Sun, 30 Aug 2009 13:58:41 -0600, Dr. Gerald N. Johnson wrote:
> >
> >
> >> True enough a $4600 radio should NOT need such a patch.
> >>
> >
> > That's the point.

> >
> > Jim
> >
> So allow me to sum it up:
>
> A) Others are experiencing the same problem;
> B)There's no user accessible adjustment available; and
> C) It's really something that TT should fix in the FW, either "just fix
> it" or make it user adjustable.
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> ** CW: Who? Me? You must be joking!! **
> email: peter(no-spam-filler)@frenning.dk
> http://www.frenning <http://www.frenning.dk/oz1pif.htm> .dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **********
>
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> [Non-text portions of this message have been removed]
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5525. Re: [orion565] Re: [TenTec] Head-Phone volume in Orion2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-01 07:20:28 UTC
From: Peter Frenning [OZ1PIF]
Topic: 5521 Message: 5525

pa1ap skrev:
> What type of speaker are you using?
>
8-Ohm external speaker, but undistinguishable from the internal speaker
(in terms of volume)

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

5526. RE: [orion565] Re: [TenTec] Head-Phone volume in Orion2

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-01 15:56:48 UTC
From: Tony Lelieveld
Topic: 5521 Message: 5526

Onno, goede morgen!

I am not using an external speaker. In my case, the way the rig is situated, I don't need one. For what it's worth, the resistance of the voice coil, as measured with a DVM, on my head-phones is about 9.5 Ohm each.

Tony VE3DWI

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap

What type of speaker are you using?

--- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, "Tony Lelieveld" <ve3dwi@...> wrote:
>
> Hi all.
>
> On my ORION-II the headphone audio is just fine. It's very nicely balanced
> and switching between the speaker and head phones I don't need to touch the
> volume control at all. I am using a 25 year old pair of Canadian Tire
> "Pulser Dynamic Stereo Headphones" model MD-802B, 8 Ohm impedance with small
> speakers inside. I am using F.W. Vers. 2.041XT.
>
>
>
> I wonder what others think of the Noise Reduction feature of the O-II. Lots
> of times I find it to be chopping and distorting the audio no matter at what
> setting I use. It seems to be somewhat better at wider audio bandwidth
> settings but I have certainly heard better ones from other non T.T. radios.
>
>
>
> 73, Tony Lelieveld VE3DWI
>
>
>
> _____
>

> From: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
[mailto:orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com] On
Behalf
> Of Peter Frenning [OZ1PIF]
> Sent: August 30, 2009 17:53
> To: Discussion of Ten-Tec Equipment; orion565@yahoogroup
<mailto:orion565%40yahoogroups.com> s.com
> Subject: [orion565] Re: [TenTec] Head-Phone volume in Orion2
>
>
>
>
>
> Jim Brown K9YC skrev:
> > On Sun, 30 Aug 2009 13:58:41 -0600, Dr. Gerald N. Johnson wrote:
> >
> >
> >> True enough a $4600 radio should NOT need such a patch.
> >>
> >
> > That's the point.
> >
> > Jim
> >
> So allow me to sum it up:
>
> A) Others are experiencing the same problem;
> B)There's no user accessible adjustment available; and
> C) It's really something that TT should fix in the FW, either "just fix
> it" or make it user adjustable.
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> ** CW: Who? Me? You must be joking!! **
> email: peter(no-spam-filler)@...
> http://www.frenning <http://www.frenning
<http://www.frenning.dk/oz1pif.htm> .dk/oz1pif.htm> .dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **********
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5527. FOR TRADE AS NEW GRAY JUPITER W/UPGRADE KIT INSTALLED

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-02 01:23:48 UTC
From: n8lpq
Topic: 5527 Message: 5527

Hi Guys

I have a MINT AS NEW NOT A MARK ON ANYTHING ANYWHERE JUPITER with blue screen and upgraded firmware software/hardware by TENTEC. Here is what comes with the radio.
* Jupiter Gray/Blue screen and new Firmware kit
* 307 Speaker factory GRAY
* 310 Cooling fan NEW
* 302 Encoder Factory GRAY
* 703 Mic
* PS2 Keyboard
All is in as new condition. I would like to trade for an Omni 6Plus w/matching power supply-speaker. Thanks
Ed N8LPQ

5528. My ORION come back again

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-02 15:28:25 UTC
From: it9yhr
Topic: 5528 Message: 5528

Do you remember my problems with my second hand ORION ? (flash update, audio bubbles etc ?)

In about 20 days (from Italy to USA and come back) TenTec service dep. return my radio like new (thanks you Paul C,)

- not intentional flash update depended by low voltage of logic board battery;

- audio bubbling dependend by bad capacitors of logic board (1-#23266 and 2-#23264)

Ten-Tec confirm another time excellent and fast repair service.

Best wishes.

Alex IT9YHR

5529. Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-10 21:38:35 UTC
From: ranges_2001
Topic: 5529 Message: 5529

Hello

I would like to step back to the earlier BETA which I believe is 2.041XL.

I get some clicking with the receiver which I did not happen with 041XL.
I have never seen the water fall go red. The firm ware is probably right here infront of me but I can not find it

73s/n4jzy

5530. Re: [orion565] Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-10 21:56:51 UTC
From: Alan Sewell N5NA
Topic: 5529 Message: 5530

Here you go.

http://www.tentecwiki.org/doku.php?id=566firmware

73,

Alan N5NA

ranges_2001 wrote:
> Hello
>
> I would like to step back to the earlier BETA which I believe is 2.041XL.
>
> I get some clicking with the receiver which I did not happen with 041XL.
> I have never seen the water fall go red. The firm ware is probably right here infront of me but I can not find it
>
> 73s/n4jzy
>
>
>
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>
>
> Yahoo! Groups Links
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>

5531. Re: [orion565] Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-11 01:35:57 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 5529 Message: 5531

I was just getting ready to update the firmware in my O2. Currently it's factory set at the first 2.x version which came with the radio. I was going to go with the latest version but now I see N4JZY wants to go back a version. So, which version is the most stable and best to use right now ?

Thanks in advance.
Sam
K3SAM

From: Alan Sewell N5NA <alan.n5na@...>
To: orion565@yahoogroups.com
Sent: Thursday, September 10, 2009 5:56:51 PM
Subject: Re: [orion565] Firmware

Here you go.

http://www.tentecwi ki.org/doku. php?id=566firmwa re

73,

Alan N5NA

ranges_2001 wrote:
> Hello
>
> I would like to step back to the earlier BETA which I believe is 2.041XL.
>
> I get some clicking with the receiver which I did not happen with 041XL.
> I have never seen the water fall go red. The firm ware is probably right here infront of me but I can not find it
>
> 73s/n4jzy
>
>
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> Yahoo! Groups Links
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>

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5532. RE: [orion565] Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-11 01:44:52 UTC
From: Ed Pflueger
Topic: 5529 Message: 5532

I am running 2.041XT and have no issues.

Ed. AB4IQ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Sam W. Jacobs, C.E.T.
Sent: Thursday, September 10, 2009 8:36 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Firmware

I was just getting ready to update the firmware in my O2. Currently it's factory set at the first 2.x version which came with the radio. I was going to go with the latest version but now I see N4JZY wants to go back a version. So, which version is the most stable and best to use right now ?

Thanks in advance.
Sam
K3SAM

From: Alan Sewell N5NA <alan.n5na@... <mailto:alan.n5na%40gmail.com> >
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Sent: Thursday, September 10, 2009 5:56:51 PM
Subject: Re: [orion565] Firmware

Here you go.

http://www.tentecwi ki.org/doku. php?id=566firmwa re

73,

Alan N5NA

ranges_2001 wrote:
> Hello
>
> I would like to step back to the earlier BETA which I believe is 2.041XL.
>
> I get some clicking with the receiver which I did not happen with 041XL.
> I have never seen the water fall go red. The firm ware is probably right here infront of me but I can not find it
>
> 73s/n4jzy
>
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

5533. Re: Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-11 06:01:29 UTC
From: k1fpv
Topic: 5529 Message: 5533

I'm running 2.041XT and really have had no issues except occasional red spikes on the spectrum display.....no totally red screen like some have claimed. I just hope that Ten-Tec goes back to calibrating the frequency scale above the spectrum display like they used to have. Personally, I don't like the waterfall display......unless it has a more vivid color display like when I'm using PSK31 on Digi-Pan.

Bill
K1FPV

--- In orion565@...m, "Sam W. Jacobs, C.E.T." <Sam@...> wrote:
>
> I was just getting ready to update the firmware in my O2. Currently it's factory set at the first 2.x version which came with the radio. I was going to go with the latest version but now I see N4JZY wants to go back a version. So, which version is the most stable and best to use right now ?
>
> Thanks in advance.
> Sam
> K3SAM
>
>
>
>
>
>
> _____
> From: Alan Sewell N5NA <alan.n5na@...>
> To: orion565@yahoogroups.com
> Sent: Thursday, September 10, 2009 5:56:51 PM
> Subject: Re: [orion565] Firmware
>
>
> Here you go.
>
> http://www.tentecwi ki.org/doku. php?id=566firmwa re
>
> 73,
>
> Alan N5NA
>
> ranges_2001 wrote:
> > Hello
> >
> > I would like to step back to the earlier BETA which I believe is 2.041XL.
> >

> > I get some clicking with the receiver which I did not happen with 041XL.
> > I have never seen the water fall go red. The firm ware is probably right here infront of me but I can not find it
> >
> > 73s/n4jzy
> >
> >
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> > Yahoo! Groups Links
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>
> [Non-text portions of this message have been removed]
>

5534. Re: Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-11 10:36:45 UTC
From: ranges_2001
Topic: 5529 Message: 5534

--- In orion565@yahoogroups.com, Alan Sewell N5NA <alan.n5na@...> wrote:
>
> Here you go.
>
> http://www.tentecwiki.org/doku.php?id=566firmware
>
> 73,
>
> Alan N5NA
>
Thanks for the link.

n4jzy
> >
> >
> >
> > ------------------------------------
> >
> >
> > Yahoo! Groups Links
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> >
>

5535. Re: [orion565] Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-11 15:43:33 UTC
From: Harry G McGavran Jr
Topic: 5529 Message: 5535

I found the noisy clicks in 2.041XT and the lack of the frequency scale
on the sweep more than enough reason to go back to 2.039d. It also
seems that the sweep is less sensitive in 2.041. I generally don't
use the preamp, and signals under S5-S7 somewhere don't seem
to show up either on the spectrum or waterfall displays under 2.041.

So, for me, 2.039d was better in three areas that were important to me.

Harry, W5PNY

On 11 Sep 2009 10:27:40 -0000 orion565@yahoogroups.com wrote:
> ____
> 1e. Re: Firmware
> Posted by: "k1fpv" k1fpv@... k1fpv
> Date: Thu Sep 10, 2009 11:01 pm ((PDT))
>
> I'm running 2.041XT and really have had no issues except occasional red spike
s on the spectrum display.....no totally red screen like some have claimed. I j
ust hope that Ten-Tec goes back to calibrating the frequency scale above the sp
ectrum display like they used to have. Personally, I don't like the waterfall d
isplay......unless it has a more vivid color display like when I'm using PSK31
on Digi-Pan.
>
> Bill
> K1FPV
>

--

Harry G. McGavran, Jr.

E-mail: w5pny@...

5536. Re: Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-11 17:26:24 UTC
From: k1fpv
Topic: 5529 Message: 5536

I hear ya Harry! I'm thinking of going back to 2.039d myself! I sure hope Ten-Tec can get the minor bugs out of 2.041XT and come out with a corrected version with frequency scale on the spectrum display soon.

Bill,
K1FPV

--- In orion565@yahoogroups.com, Harry G McGavran Jr <w5pny@...> wrote:
>
>
> I found the noisy clicks in 2.041XT and the lack of the frequency scale
> on the sweep more than enough reason to go back to 2.039d. It also
> seems that the sweep is less sensitive in 2.041. I generally don't
> use the preamp, and signals under S5-S7 somewhere don't seem
> to show up either on the spectrum or waterfall displays under 2.041.
>
> So, for me, 2.039d was better in three areas that were important to me.
>
> Harry, W5PNY
>
>
>
> On 11 Sep 2009 10:27:40 -0000 orion565@yahoogroups.com wrote:
> > ____
> > 1e. Re: Firmware
> > Posted by: "k1fpv" k1fpv@... k1fpv
> > Date: Thu Sep 10, 2009 11:01 pm ((PDT))
> >
> > I'm running 2.041XT and really have had no issues except occasional red spike
> > s on the spectrum display.....no totally red screen like some have claimed. I j
> > ust hope that Ten-Tec goes back to calibrating the frequency scale above the sp
> > ectrum display like they used to have. Personally, I don't like the waterfall d
> > isplay......unless it has a more vivid color display like when I'm using PSK31
> > on Digi-Pan.
> >
> > Bill
> > K1FPV
> >
>
> --
>
> Harry G. McGavran, Jr.
>
> E-mail: w5pny@...
>

5537. Re: [orion565] Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-12 05:08:31 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 5529 Message: 5537

Thanks. I was unaware of those problems, so for now I'll stay with 2.039d.
Shame, I was looking forward to some new features.

Out of curiosity, does anyone else have poor earphone volume on their O2 ? If so, does the new upgrades address this ?

I have to use almost full volume just to get a little audio. The audio coming out of the speaker is just fine.

73,
Sam

From: Harry G McGavran Jr <w5pny@...>
To: orion565@yahoogroups.com
Sent: Friday, September 11, 2009 11:43:33 AM
Subject: Re: [orion565] Firmware

I found the noisy clicks in 2.041XT and the lack of the frequency scale
on the sweep more than enough reason to go back to 2.039d. It also
seems that the sweep is less sensitive in 2.041. I generally don't
use the preamp, and signals under S5-S7 somewhere don't seem
to show up either on the spectrum or waterfall displays under 2.041.

So, for me, 2.039d was better in three areas that were important to me.

Harry, W5PNY

On 11 Sep 2009 10:27:40 -0000 orion565@yahoogroup s.com wrote:
> ---------- --------- --------- --------- --------- --------- -
> 1e. Re: Firmware
> Posted by: "k1fpv" k1fpv@... k1fpv
> Date: Thu Sep 10, 2009 11:01 pm ((PDT))
>
> I'm running 2.041XT and really have had no issues except occasional red spike
s on the spectrum display..... no totally red screen like some have claimed. I j
ust hope that Ten-Tec goes back to calibrating the frequency scale above the sp
ectrum display like they used to have. Personally, I don't like the waterfall d
isplay..... unless it has a more vivid color display like when I'm using PSK31
on Digi-Pan.
>
> Bill
> K1FPV
>

--

Harry G. McGavran, Jr.

E-mail: w5pny@...

[Non-text portions of this message have been removed]

5538. Electret Microphone "plopping/clicking"

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-13 10:02:49 UTC
From: Peter Frenning [OZ1PIF]
Topic: 5538 Message: 5538

I have recently adapted various electret head sets and microphones to my
Orion 2, running 2.041XT, and have received report on a "Plopping" or
"Clicking" sound emanating when PTT is activated, it's fairly regular
making the sound 3-5 times per second. It's clearly audible on Monitor,
and also when monitoring the signal on another receiver.
I bias the electret element from the voltage present on Pin2 through a
2.2KOhm resistor, and it does the "plopping" regardless of whether I put
in a blocking capacitor or not.
It does NOT occur when using my 708 Dynamic desk microphone.

Does anyone have an idea what can be causing this (HW/SW), and of a cure?

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

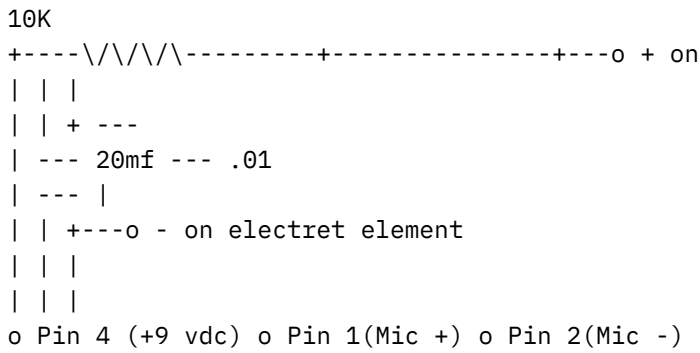
[Non-text portions of this message have been removed]

5539. Electret Microphone "plopping/clicking"

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-13 12:31:44 UTC
From: Anthony Bowyer
Topic: 5538 Message: 5539

Peter,
I use a headset with an electret element. I also use voltage present at the mic plug to power it.

Mine is like this (for the Orion 1 with a 4 pin Mic plug):



Note that PTT is Pin 3 to the shell (chassis ground). It's not clear in the 2003 manual for the Orion 1. If you are using the Mic - and the PTT that could be causing the problem.

Anthony, K4ZNO

5540. Re: Electret Microphone "plopping/clicking"

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-13 12:57:28 UTC
From: adb1x1
Topic: 5538 Message: 5540

Well,
I see Yahoo strips out the spaces I put in the schematic.

Peter, I sent this directly to you as well, so hopefully you can read it with whatever email client you are using.

Funny though, if you click on "Reply", the quoted text is formatted correctly.

--- In orion565@yahoogroups.com, Anthony Bowyer <adb1x1@...> wrote:
>
> Peter,
> I use a headset with an electret element. I also use voltage present at the mic plug to power it.
>
> Mine is like this (for the Orion 1 with a 4 pin Mic plug):
>
> 10K
> +----\/\/\/\---------+---------------+---o + on electret element
> | | |
> | | + ---
> | --- 20mf --- .01
> | --- |
> | | +---o - on electret element
> | | |
> | | |
> o Pin 4 (+9 vdc) o Pin 1(Mic +) o Pin 2(Mic -)
>
> Note that PTT is Pin 3 to the shell (chassis ground). It's not clear in the 2003 manual for the Orion 1. If you are using the Mic - and the PTT that could be causing the problem.
>
> Anthony, K4ZNO
>

5541. Re: [orion565] Electret Microphone "plopping/clicking"

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-13 13:57:15 UTC
From: Peter Frenning [OZ1PIF]
Topic: 5538 Message: 5541

Anthony Bowyer skrev:
> Peter,
> I use a headset with an electret element. I also use voltage present at the mic plug to power it.
>
> Mine is like this (for the Orion 1 with a 4 pin Mic plug):
>
> 10K
> +----\/\/\/\---------+---------------+---o + on electret element
> | | |
> | | + ---
> | --- 20mf --- .01
> | --- |
> | | +---o - on electret element
> | | |
> | | |
> o Pin 4 (+9 vdc) o Pin 1(Mic +) o Pin 2(Mic -)
>
> Note that PTT is Pin 3 to the shell (chassis ground). It's not clear in the 2003 manual for the Orion 1. If you are using the Mic - and the PTT that could be causing the problem.
>
> Anthony, K4ZNO
>
>
I am using Mic Gnd Anthony (pin assignment is different in the 8-Pin
socket on the O2), but I'm not using the rather large cap that you're
employing - maybe that's worth a try.

I can also add to the original qestion this: I have loaded the 2.039d FW
without it making any difference at all, so that can be ruled out.

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

5542. Re: [orion565] Electret Microphone "plopping/clicking"

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-13 14:07:46 UTC
From: Dick
Topic: 5538 Message: 5542

I had the same problem with my 566 with the TenTec 708 mike. After sending the radio and mike back to TenTec, they reported that the mike amp circuit was oscillating. Apparently its a known problem. I'm not sure what they did but they did fix it..

--- On Sun, 9/13/09, Peter Frenning [OZ1PIF] <peter@...> wrote:

From: Peter Frenning [OZ1PIF] <peter@...>
Subject: [orion565] Electret Microphone "plopping/clicking"
To: "Discussion of Ten-Tec Equipment" <tentec@...>, orion565@yahoogroups.com
Date: Sunday, September 13, 2009, 6:02 AM

I have recently adapted various electret head sets and microphones to my

Orion 2, running 2.041XT, and have received report on a "Plopping" or

"Clicking" sound emanating when PTT is activated, it's fairly regular

making the sound 3-5 times per second. It's clearly audible on Monitor,

and also when monitoring the signal on another receiver.

I bias the electret element from the voltage present on Pin2 through a

2.2KOhm resistor, and it does the "plopping" regardless of whether I put

in a blocking capacitor or not.

It does NOT occur when using my 708 Dynamic desk microphone.

Does anyone have an idea what can be causing this (HW/SW), and of a cure?

--

Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **

email: peter(no-spam- filler)@frenning .dk

http://www.frenning .dk/oz1pif. htm

Ph. +45 4619 3239

Snailmail:

Peter Frenning

Ternevej 23

DK-4130 Viby Sj.

Denmark

********** ********* ********* *****

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5543. Setting drivers and finals bias in a 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-13 15:15:38 UTC
From: Jose V. Gavila
Topic: 5543 Message: 5543

Hello!

I have just replaced drivers and finals in a 565 and can't find the
proper info to set the bias on them. Please, could someone help?

Thanks!

JOSE
---
73 EB5AGV - JOSE V. GAVILA
IM99sm La Canyada - Valencia (SPAIN)

Vintage Radio and Test Equipment
http://jvgavila.com
RadioRepair BLOG
http://radiorepair.blogspot.com/
European Boatanchors List
http://groups.yahoo.com/group/euro_ba_swap
Amateur Repairs List
http://groups.yahoo.com/group/amateur-repairs

5544. Orion 565 Intermitent sweep/ screen display

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-13 15:51:04 UTC
From: goodlookervp
Topic: 5544 Message: 5544

Hi all: Any feedback on problems with a momentary loss of the screen/sweep display on the Orion 1? Occasionally the screen will
turn black for a few seconds before resuming the sweep again. It seems to do this on all versions of the firmware.

Carl W3IY

5545. Re: Orion 565 Intermitent sweep/ screen display

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-13 17:04:13 UTC
From: pa1ap
Topic: 5544 Message: 5545

Is it only the spectrum display area or is it the whole screen?

If you turn down the contrast, do you see upper right corner being (much) darker then the bottom left corner?

Does it happen the whole day or just once in a while?

I don't have an answer but getting some more details might trigger some thoughts... you never know :-)

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, "goodlookervp" <carlm01@...> wrote:
>
> Hi all: Any feedback on problems with a momentary loss of the screen/sweep display on the Orion 1? Occasionally the screen will
> turn black for a few seconds before resuming the sweep again. It seems to do this on all versions of the firmware.
>
> Carl W3IY
>

5546. Directed interfacing PC to ORION

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-13 18:34:54 UTC
From: it9yhr
Topic: 5546 Message: 5546

Hi,

I wish to connect my ORION directly to soundcard of my PC using AUX I/O port with normal cable for RTTY comunication (with MIXWIN).

Any risk ?

Is better to use optoisolated connection (such as Microham USB II) ?

At moment I have tested rtty reception without any problem, but I am not sure to connect the TX directly.

Any bad experience about direct connection ?

Many thanks in advance.

Alex IT9YHR

5547. Re: Directed interfacing PC to ORION

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-13 19:12:59 UTC
From: pa1ap
Topic: 5546 Message: 5547

many include 600 ohm 1:1 transformers to isolate the audio. This avoid groundloops / humming sound on the audio... I am using signalink usb and it works well for me on digital modes.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, "it9yhr" <alexmastro58@...> wrote:
>
> Hi,
>
> I wish to connect my ORION directly to soundcard of my PC using AUX I/O port with normal cable for RTTY comunication (with MIXWIN).
>
> Any risk ?
>
> Is better to use optoisolated connection (such as Microham USB II) ?
>
> At moment I have tested rtty reception without any problem, but I am not sure to connect the TX directly.
>
> Any bad experience about direct connection ?
>
> Many thanks in advance.
>
> Alex IT9YHR
>

5548. Re: [orion565] Re: Directed interfacing PC to ORION

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-13 19:28:54 UTC
From: Alex
Topic: 5546 Message: 5548

Many thanks Onno, I am reading all information about this interface.

Do you know any european retail ? Infact every time I import from USA
there is more 25 % of charge ...

Alex

Il giorno 13/set/2009, alle ore 21.12, pa1ap ha scritto:

> many include 600 ohm 1:1 transformers to isolate the audio. This
> avoid groundloops / humming sound on the audio... I am using
> signalink usb and it works well for me on digital modes.
>
> Best regards, Onno pa1ap
>
> --- In orion565@yahoogroups.com, "it9yhr" <alexmastro58@...> wrote:
> >
> > Hi,
> >
> > I wish to connect my ORION directly to soundcard of my PC using
> AUX I/O port with normal cable for RTTY comunication (with MIXWIN).
> >
> > Any risk ?
> >
> > Is better to use optoisolated connection (such as Microham USB II) ?
> >
> > At moment I have tested rtty reception without any problem, but I
> am not sure to connect the TX directly.
> >
> > Any bad experience about direct connection ?
> >
> > Many thanks in advance.
> >
> > Alex IT9YHR
> >
>
>

[Non-text portions of this message have been removed]

5549. Re: [orion565] Directed interfacing PC to ORION

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-13 19:35:31 UTC
From: Peter Frenning [OZ1PIF]
Topic: 5546 Message: 5549

it9yhr skrev:
> Hi,
>
> I wish to connect my ORION directly to soundcard of my PC using AUX I/O port with normal cable for RTTY comunication (with MIXWIN).
>
> Any risk ?
>
> Is better to use optoisolated connection (such as Microham USB II) ?
>
> At moment I have tested rtty reception without any problem, but I am not sure to connect the TX directly.
>
> Any bad experience about direct connection ?
>
> Many thanks in advance.
>
> Alex IT9YHR
>
Alex, I would certainly use an isolated interface, either a
"build-it-yourself" or a SignaLink USB for example, you can read more
about both subject on my homepage (Address below).

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

5550. Re: [orion565] Directed interfacing PC to ORION

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-14 05:53:04 UTC
From: Alex
Topic: 5546 Message: 5550

Many thanks Peter for the very interesting link !

Thank you all for the suggestions.

Best 73'

Alex it9yhr

Il giorno 13/set/2009, alle ore 21.35, Peter Frenning [OZ1PIF] ha
scritto:

> it9yhr skrev:
> > Hi,
> >
> > I wish to connect my ORION directly to soundcard of my PC using
> AUX I/O port with normal cable for RTTY comunication (with MIXWIN).
> >
> > Any risk ?
> >
> > Is better to use optoisolated connection (such as Microham USB II) ?
> >
> > At moment I have tested rtty reception without any problem, but I
> am not sure to connect the TX directly.
> >
> > Any bad experience about direct connection ?
> >
> > Many thanks in advance.
> >
> > Alex IT9YHR
> >
> Alex, I would certainly use an isolated interface, either a
> "build-it-yourself" or a SignaLink USB for example, you can read more
> about both subject on my homepage (Address below).
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> ** CW: Who? Me? You must be joking!! **
> email: peter(no-spam-filler)@...
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark

> **********
>
>

[Non-text portions of this message have been removed]

5551. Re: [orion565] Electret Microphone "plopping/clicking"

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-14 18:56:32 UTC
From: Martin
Topic: 5538 Message: 5551

I bought a chinese headset for $2 and want to try it with my Orion I because the initial tests with sound card on Skype were very good. This headset has an electret mic and a conventional 3.5 mm jack for the sound card input. I am not a keen phone op but I became curious how will it work. Anybody tried such cheap headset to hook up to Orion (4 pin mic conn.)? How to wire it?

73,
Martin, OK1RR

Anthony Bowyer napsal(a):
> Peter,
> I use a headset with an electret element. I also use voltage present at the mic plug to power it.
>
> Mine is like this (for the Orion 1 with a 4 pin Mic plug):
>
> 10K
> +----\/\/\/\---------+---------------+---o + on electret element
> | | |
> | | + ---
> | --- 20mf --- .01
> | --- |
> | | +---o - on electret element
> | | |
> | | |
> o Pin 4 (+9 vdc) o Pin 1(Mic +) o Pin 2(Mic -)
>
> Note that PTT is Pin 3 to the shell (chassis ground). It's not clear in the 2003 manual for the Orion 1. If you are using the Mic - and the PTT that could be causing the problem.
>
> Anthony, K4ZNO
>
>
>
>
>

5552. Re: [orion565] Electret Microphone "plopping/clicking"

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-14 19:25:24 UTC
From: Peter Frenning [OZ1PIF]
Topic: 5538 Message: 5552

Martin skrev:
> I bought a chinese headset for $2 and want to try it with my Orion I
> because the initial tests with sound card on Skype were very good. This
> headset has an electret mic and a conventional 3.5 mm jack for the sound
> card input. I am not a keen phone op but I became curious how will it
> work. Anybody tried such cheap headset to hook up to Orion (4 pin mic
> conn.)? How to wire it?
>
> 73,
> Martin, OK1RR
>
Hi Martin,
Computer head-sets/microphones are normally wired such:

Sound Blaster Microphone Input
or such:
**

```
/ \
| | Audio signal
\ /
+===+
| | Bias voltage for microphone (+5V through 2.2 kohm resistor)
|===|
| |
| | Ground
| |
+=======+

| |
```

**

and yes, I've hooked up a very cheap Labtec 203 head-set to my Orion 2,
with excellent result (apart from the "plopping" and low audio volume,
that is)

BTW: Thanks for CQRlog!!!! use it every day almost (for those not in the
know: CQRlog is an excellent general purpose log program for Linux,
written and maintained by OK1CQR and OK1RR)

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm

Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

5553. Re: [orion565] Electret Microphone "plopping/clicking"

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-14 19:33:48 UTC
From: Peter Frenning [OZ1PIF]
Topic: 5538 Message: 5553

Peter Frenning [OZ1PIF] skrev:
> Martin skrev:
>
>> I bought a chinese headset for $2 and want to try it with my Orion I
>> because the initial tests with sound card on Skype were very good. This
>> headset has an electret mic and a conventional 3.5 mm jack for the sound
>> card input. I am not a keen phone op but I became curious how will it
>> work. Anybody tried such cheap headset to hook up to Orion (4 pin mic
>> conn.)? How to wire it?
>>
>> 73,
>> Martin, OK1RR
>>
>>
> Hi Martin,
> Computer head-sets/microphones are normally wired such:
>
> Sound Blaster Microphone Input
> or such:
> **
>
> / \
> | | Audio signal
> \ /
> +===+
> | | Bias voltage for microphone (+5V through 2.2 kohm resistor)
> |===|
> | |
> | | Ground
> | |
> +=======+
>
> | |
>
> **
>
> and yes, I've hooked up a very cheap Labtec 203 head-set to my Orion 2,
> with excellent result (apart from the "plopping" and low audio volume,
> that is)
>
> BTW: Thanks for CQRlog!!!! use it every day almost (for those not in the
> know: CQRlog is an excellent general purpose log program for Linux,
> written and maintained by OK1CQR and OK1RR)
>
>

Sorry forgot about the poor graphics capabilities of the reflector, you
can see it much better here:
http://www.epanorama.net/circuits/microphone_powering.html#soundcard

--
Vy 73 de OZ1PIF/5Q2M, Peter

** CW: Who? Me? You must be joking!! **
email: peter(no-spam-filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

5555. PC headset (was Electret Microphone "plopping/clicking")

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-15 14:34:25 UTC
From: Anthony Bowyer
Topic: 5555 Message: 5555

Martin,
The ASCII schematic I posted is how the mic adapter is wired for a Plantronics gaming headset (for a PC). This one has sealed ear cups so is better suited for me, but this adapter should work for about any PC headset. All the parts fit into a 3.5 mm stereo in line socket (with a little trimming).

The 20mf capacitor is a surface mount part, which was a bit challenging to get in place, but wasn't too bad.

I found that the 10k resistor works better than lower values. It supposedly sets the basic impedance of the electret element, but I found lower values tend to cause the mic to be more susceptible to RF.

For the headphones, I just made an adapter with a 1/4" plug on one end and a 3.5 mm in line socket at the other. The length was chosen so the mic adapter and headphone adapter sockets met evenly at the end. These cables are about 6 inches long (approx 15 cm).

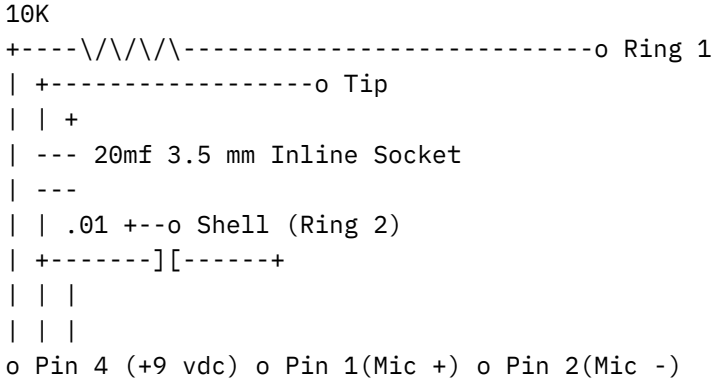
These two cables (actually 3, I also added a 3.5 mm socket for PTT), are covered with copper braid from a piece of rg-8x to within about 5 cm of the in line sockets. This braid is grounded to the frame via the shell of the mic plug. This entire cable bundle also has heat shrink tubing to protect the shield and hold everything in place, as well as a small wire tie at the transceiver end.

I hope this is helpful!

I just realized there is an error in what I previously posted. The .01 mf capacitor is across the mic audio, not the power.

Also it's a little different for the PC headset mic since there is a separate power connection.

I know the spaces will get removed again, but if you do reply, it show correctly



Orion End

Anthony, K4ZNO (ex NT4X)

5556. ALC settings

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-16 01:40:44 UTC
From: kzerofl
Topic: 5556 Message: 5556

Just wondering what ALC settings you guys are using. I have a hang of .55s on the slow, a .40s on the med, .12 on fast, and 2.3 on prog.

Is there a easy explanation on just what the decay and threshold are and what settings might I try?

Thanks in advance

Tim KØFL
Wichita, Ks

5557. Re: ALC settings

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-18 10:23:45 UTC
From: pa1ap
Topic: 5556 Message: 5557

From what I have been able to gather the threshold determines the point where AGC will actually activate. Decay is how fast it will react on signals above threshold and hangtime is how long gain will freeze when signal goes down again. With different firmwares the AGC works a little different and this is undocumented so far. Even with latest firmware there is no clear explanation of what exactly AF/RF Gain does in relation with 1:10 / 2:10 ratio...

It seems some orion users decided to perform their own AGC function by whats refered to as the reversed AF/RF control. RF Gain turned down and AF control turned up to max. Signals are processed through turning RF gain slowly until enough sounds comes out of speaker. No need for any AGC settings when using this model. With orion 565 this model works too however there is excesive noise coming out of the speaker, even without any signal... This might be related to speaker impedance (in my case) but this is different topic.

Common practise is to go to empty part of the band of interest, look at the s-meter and turn up threshold until the s-meter moves just a little above the band noise. This way AGC is not activated on the bandnoise. Some versions don't update the s-meter (orion 565 release 1) and one has to listnen to the band noise to determine the best point.

The hang time is nice for rag chewing. It makes the sound more smooth by taking out the dynamics between words. Decay at 10dB/s and threshold at little higher then band noise works well.

Small signal detection might be impacted by AGC actions. Threshold will help ensuring the AGC not to kick in (good) on those tiny signals. However threshold, hang time and decay wont do miracles lifting signals out of the noise...Its more the opposite actually...I have not found any evidence of that miracle yet. hope somebody can demonstrate that.

Check the files / photo section of the forum. You might be able to find some other documents or hints.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, "kzerofl" <timranda@...> wrote:
>
> Just wondering what ALC settings you guys are using. I have a hang of .55s on the slow, a .40s on the med, .12 on fast, and 2.3 on prog.
>
> Is there a easy explanation on just what the decay and threshold are and what settings might I try?
>
> Thanks in advance
>
> Tim KØFL
> Wichita, Ks
>

5558. 2.041XL beta firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-18 13:29:33 UTC
From: ne7x
Topic: 5558 Message: 5558

I installed 2.041XL beta and found the display looked unsatisfactory. It smashed all the passband tuning icons into the bottom of the passband numbers, it did not have any sweep width adjustment and all the freq markers were gone. So I went back to ver 2.039d

I am assuming since this is "beta" software, these issues will be addressed in the released version.

Thomas NE7X...
http://www.ne7x.com

5559. Re: [orion565] Re: ALC settings

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-18 15:35:09 UTC
From: Tim Randa
Topic: 5556 Message: 5559

Thanks Onno for your insight. I'll play with the settings you mention. I have the Orion II and run the beta version upgrade. I love the radio...just need to learn a bit more how to use it..hi

73 de Tim K?FL

pa1ap wrote:
> >From what I have been able to gather the threshold determines the point where AGC will actually activate. Decay is how fast it will react on signals above threshold and hangtime is how long gain will freeze when signal goes down again. With different firmwares the AGC works a little different and this is undocumented so far. Even with latest firmware there is no clear explanation of what exactly AF/RF Gain does in relation with 1:10 / 2:10 ratio...
>
> It seems some orion users decided to perform their own AGC function by whats refered to as the reversed AF/RF control. RF Gain turned down and AF control turned up to max. Signals are processed through turning RF gain slowly until enough sounds comes out of speaker. No need for any AGC settings when using this model. With orion 565 this model works too however there is excesive noise coming out of the speaker, even without any signal... This might be related to speaker impedance (in my case) but this is different topic.
>
> Common practise is to go to empty part of the band of interest, look at the s-meter and turn up threshold until the s-meter moves just a little above the band noise. This way AGC is not activated on the bandnoise. Some versions don't update the s-meter (orion 565 release 1) and one has to listnen to the band noise to determine the best point.
>
> The hang time is nice for rag chewing. It makes the sound more smooth by taking out the dynamics between words. Decay at 10dB/s and threshold at little higher then band noise works well.
>
> Small signal detection might be impacted by AGC actions. Threshold will help ensuring the AGC not to kick in (good) on those tiny signals. However threshold, hang time and decay wont do miracles lifting signals out of the noise...Its more the opposite actually...I have not found any evidence of that miracle yet. hope somebody can demonstrate that.
>
> Check the files / photo section of the forum. You might be able to find some other documents or hints.
>
>
>
> Best regards, Onno pa1ap
>
> --- In orion565@yahoogroups.com, "kzerofl" <timranda@...> wrote:
>
>> Just wondering what ALC settings you guys are using. I have a hang of .55s on the slow,

a .40s on the med, .12 on fast, and 2.3 on prog.
>>
>> Is there a easy explanation on just what the decay and threshold are and what settings might I try?
>>
>> Thanks in advance
>>
>> Tim K?FL
>> Wichita, Ks
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> Yahoo! Groups Links
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5560. Re: ALC settings

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-20 05:23:18 UTC
From: BobChortek
Topic: 5556 Message: 5560

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> From what I have been able to gather the threshold determines the point where AGC will actually activate. Decay is how fast it will react on signals above threshold and hangtime is how long gain will freeze when signal goes down again. With different firmwares the AGC works a little different and this is undocumented so far.

I think hang time is how long the agc stays at the maximum level once activated and, once that hang time has expired, decay is the rate at which the agc level returns to zero.

73,

Bob/AA6VB

5561. Re: [orion565] Re: ALC settings

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-20 05:57:15 UTC
From: Tim Randa
Topic: 5556 Message: 5561

Would a person want a slow decay in a round table? I'm starting to think
this could be something very useful to use.

Tim K?FL

BobChortek wrote:
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
>> From what I have been able to gather the threshold determines the point where AGC will actually activate. Decay is how fast it will react on signals above threshold and hangtime is how long gain will freeze when signal goes down again. With different firmwares the AGC works a little different and this is undocumented so far.
>>
>
> I think hang time is how long the agc stays at the maximum level once activated and, once that hang time has expired, decay is the rate at which the agc level returns to zero.
>
> 73,
>
> Bob/AA6VB
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> Yahoo! Groups Links
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5562. Re: ALC settings

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-20 07:35:12 UTC
From: pa1ap
Topic: 5556 Message: 5562

You can easily hear the difference using small or large decay. Just try it :-)... Large decay the noise jumps up between words and this can be very exhausting to listen to. I am using decay of 11 with a hang time of 0.08 and this works fine for me.

A large decay is aggresive on recovering the max gain. Large signal will trigger AGC to reduce gain and when large signal is silent the AGC will "recover" the gain again. The question is how fast this gain will be recovered (decay value). I guess when you are running a cw contest with very large signals combined with very weak signals you want the gain to be quick to avoid loosing the weak signals due to desensing of the receiver. a large signal burst would decrease gain but when silent again, gain would recover quickly allowing the weak signal to be heard at similar audio output.

Yes Bob is right on the hang time I believe, my wrong. Thanks Bob for your advice!

What i have not been able to isolate yet is what exactly "peak gain" would rever to when using hang time. Is it a timeslot derived average of the signal(s) present or is AGC gain frozen for that period, followed by some other period of gain... what would be that next period of gain? Hang time is connected to a reference but its unclear to me how this reference is determined in such a dynamic environment as signal processing...

Sorry for the confusion on hang-time.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, Tim Randa <timranda@...> wrote:
>
> Would a person want a slow decay in a round table? I'm starting to think
> this could be something very useful to use.
>
> Tim KØFL
>
> BobChortek wrote:
> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> >> From what I have been able to gather the threshold determines the point where AGC will actually activate. Decay is how fast it will react on signals above threshold and hangtime is how long gain will freeze when signal goes down again. With different firmwares the AGC works a little different and this is undocumented so far.
> >>
> >
> > I think hang time is how long the agc stays at the maximum level once activated and, once that hang time has expired, decay is the rate at which the agc level returns to zero.
> >
> > 73,
> >
> > Bob/AA6VB

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> > Yahoo! Groups Links
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5563. SEPARATE OUTPUTS FOR MAIN AND SUB RECEIVER AUDIO ?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-22 21:28:06 UTC
From: i2dmi
Topic: 5563 Message: 5563

Sorry for this post; maybe it is a COLOMBO's egg.

In my 566, I am not able to get two outputs for separate main receiver's and sub receiver's audio to be connected as left/right channels in my stereo computer's sound card.
I know there are several options in the audio menu and in the Other menu.
I am able to get Main, Sub or Both at the same pins (AUX # 4) and "LINE OUT", but no way to get TWO different outputs (except on headphone jack).

The 565 uses pin #4 and pin #6 for separate Main and Sub receivers
The 566 uses only pin #4 for audio output. No connection on pin # 6. (Am I wrong?)

In the internal AUX card there is a empty "J39" socket. Maybe is missing here a connection cable for sub-receiver's audio?

Any help on this problem please?
73 Frank I2DMI

5564. Orion 566 A/T all options

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-23 17:38:48 UTC
From: wd8oss
Topic: 5564 Message: 5564

I am selling my Orion II. It has all the optional roofing filters and the auto tuner. Included is the Ten Tec power supply and the Ten Tec matching speaker. very little use and like new. 3100.00 plus shipping

Contact me at blownfuse1@... or

via phone 216 789 1285

Wd8oss

David Seckt

5565. RE: [orion565] ALC settings

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-23 19:26:17 UTC
From: Larry Menzel
Topic: 5556 Message: 5565

Sorry I□m so slow to respond to this thread, but I just got around to checking my TT mail.

OK, several years ago, when I got my first Orion, I got this very helpful email from WA3FLY regarding the AGC adjustments for the Orion.

I have used these as the starting point for my personal tweaking. I think you might find it useful, as well.

My hearing isn□t what it used to be, so I like a very good signal to noise ratio when I□m listening. I operate mostly CW, by the way, so this may be modified for a SSB profile as well. I like to have the receiver quiet between elements when operating QSK, as well as when listening around. So here□s how I set up my ALC.

First, be sure to turn the RF Gain to 100, as you□ll be watching the S meter when making these adjustments. Reduce it again when the settings are done. Keep in mind that you□ll not hear the greatest differences when the RF Gain is reduced, but the AGC circuit will still be working.

SLOW

Hang 1 second

Decay 10dB/s

Threshold 11uV or about S6-7 on the S meter

MEDIUM

Hang .5 seconds

Decay 20dB/s

Threshold 5uV or about S5 on the S meter

FAST

Hang .2 seconds

Decay 80dB/s

Threshold 1.4uV or about S2.5-3 on the S meter

PROG

Hang .1 Seconds

Decay 200-1000 dB/s (you set it the way you like it)

Threshold 1.0uV or about S2 on the S meter

I set my AGC Slope to 2:10 dB

I use SLOW AGC when conditions are pretty good and work down (Med, Fast, Prog) as conditions deteriorate or I want a bigger signal. Having Threshold available in the AGC settings makes it very convenient for me to quickly set the best performance for any conditions. I can still use the RF Gain to reduce RX gain further if desired. As there are a veritable panoply of AGC settings available, YMMV, of course. But this is a good starting point.

73

Larry, W0PR

Northfield, MN

From: orion565@...m [mailto:orion565@yahoogroups.com] On Behalf Of kzerofl
Sent: Tuesday, September 15, 2009 8:41 PM
To: orion565@yahoogroups.com
Subject: [orion565] ALC settings

Just wondering what ALC settings you guys are using. I have a hang of .55s on the slow, a .40s on the med, .12 on fast, and 2.3 on prog.

Is there a easy explanation on just what the decay and threshold are and what settings might I try?

Thanks in advance

Tim KØFL
Wichita, Ks

[Non-text portions of this message have been removed]

5566. Re: 2.041XL beta firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-24 12:21:00 UTC
From: ad4hk2004
Topic: 5558 Message: 5566

-I just put in 2041 last night... While I miss the frequency markers a little - which I assume will come in due time - I definitely like the more detailed sweep...
And the sweep freezing while tuning with the little blue bar indicating where you are tuned relative to the sweep is an interesting gimmick... It isn't the best thing I have seen since sliced bread but it is workable at least...
I think someone was unhappy about red marks in the scan... From what I see on my radio, it appears that the white peaks go red when the signal strength is decaying or the signal has suddenly disappeared... There is a decay time or delay in repainting the entire sweep and making the peaks turn red to indicate loss of signal strength likely uses less CPU time until the Dragon can crunch the numbers for a complete repaint...

I urge TT to put some effort into sucking out IF to an accessory display with point and tune, etc., like the K3 does with LPPAN...

denny / k8do

5567. 565 orange / black LCD (credit to K4QO)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-24 18:05:32 UTC
From: pa1ap
Topic: 5567 Message: 5567

Greetings,

Finally got the time and found a place to order those theatre gels as suggested by James K4QO. Its a great adjustment for little investment (about $8) and you can select from a wide variety of colour.

I have used "Lee 021, gold amber" which seems a little to dark to my taste but it really looks nice compared to the blueish / black screen.

Just cut out the right size of gel and carefully place it against the lcd window. It will stick automatically and you can easily remove it to.

I have uploaded some photo's to illustrate the difference. On the color, I am now ordering Lee 134 which is a little lighter orange.

All credits to James, K4QO for sharing this great harmless modification.

Best regards,
Onno pa1ap

5568. Re: [orion565] 565 orange / black LCD (credit to K4QO)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-24 18:37:24 UTC
From: Alex
Topic: 5567 Message: 5568

Where is possible found this theatre gels ?

Many thanks in advance

Alex it9yhr

Il giorno 24/set/2009, alle ore 20.05, pa1ap ha scritto:

> Greetings,
>
> Finally got the time and found a place to order those theatre gels
> as suggested by James K4QO. Its a great adjustment for little
> investment (about $8) and you can select from a wide variety of
> colour.
>
> I have used "Lee 021, gold amber" which seems a little to dark to my
> taste but it really looks nice compared to the blueish / black screen.
>
> Just cut out the right size of gel and carefully place it against
> the lcd window. It will stick automatically and you can easily
> remove it to.
>
> I have uploaded some photo's to illustrate the difference. On the
> color, I am now ordering Lee 134 which is a little lighter orange.
>
> All credits to James, K4QO for sharing this great harmless
> modification.
>
> Best regards,
> Onno pa1ap
>
>

[Non-text portions of this message have been removed]

5569. Re: 565 orange / black LCD (credit to K4QO)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-25 07:02:32 UTC
From: pa1ap
Topic: 5567 Message: 5569

James, K4CQ invented the idea and shared it with the group earlier. He might have better information available. Below my limited experience on the topic, hope it helps;

Below the link to one of the companies producing those theatre gels.

I bought the gel in a local music shop where they sell any type of music instrument but also DJ equipment (like theatre lights).. Another source where you could check is a good photocamera shop since those filters are also used to create the right colour setting when making picture.

http://www.leefilters.com/lighting/

I would personally recommend a little lighter version then "Lee 021 gold amber", perhaps "Lee 134 golden amber" works a little better since its a bit lighter.

Some experience on using the gels;

1) Gels are made of clear polyester foil. After that they essentialy paint it (both sides) with a colour. There is a great video on the website which talsk about this process.

2) The paint will desolve when you use alcohol. I learned this through trail and error :-)

3) When you only apply the gel to the LCD screen, the color might be different then the s-meter. If you like to make them equal, just cut out a piece of gel for the s-meter as well

4) the gels should be cut a little bigger then the visual part of the lcd / s-meter. At my 565 there is some room behind the front panel and hence its nice to have the gel cover this area too. Its a precise job which requires patience...

5) the gels do add a mirror effect to the lcd screen. As long as you make sure the gel is smooth and properly attached its fine and not disturbing to much. I have looked around for gels which dont have this mirror effect but not found it yet.

6) the paint should not be underestimated. When i played with the alcohol (trying to remove my vinger prints) I actually painted my fingers. They are still orange after two days :-).....

7) When you cut and mount the gels, please wear cotton cloves or something like that to avoid the vinger prints.

Hope this helps,

Best regards,
Onno pa1ap

--- In orion565@yahoogroups.com, Alex <alexmastro58@...> wrote:
>
> Where is possible found this theatre gels ?

>
> Many thanks in advance
>
> Alex it9yhr
>
>
>
> Il giorno 24/set/2009, alle ore 20.05, pa1ap ha scritto:
>
> > Greetings,
> >
> > Finally got the time and found a place to order those theatre gels
> > as suggested by James K4QO. Its a great adjustment for little
> > investment (about $8) and you can select from a wide variety of
> > colour.
> >
> > I have used "Lee 021, gold amber" which seems a little to dark to my
> > taste but it really looks nice compared to the blueish / black screen.
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> > Just cut out the right size of gel and carefully place it against
> > the lcd window. It will stick automatically and you can easily
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> > color, I am now ordering Lee 134 which is a little lighter orange.
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> > All credits to James, K4QO for sharing this great harmless
> > modification.
> >
> > Best regards,
> > Onno pa1ap
> >
> >
>
>
>
> [Non-text portions of this message have been removed]
>

5570. Re: 565 orange / black LCD (credit to K4QO)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-25 10:55:38 UTC
From: k4qo
Topic: 5567 Message: 5570

Onno,

Glad you tried that gel idea - it was easy to "apply" and easy to reverse. Not sure what the alcohol was for, but it's good to know that about the gels.

I found that to my eye, the gel that made the main screen match the stock gold color of the meter was actually redder than you'd think. But it seems that to offset the blue color of the screen to make it gold like the meter, that's what it took. The "color number" of the piece I have is "7450", and I don't know what gel company that came from. Like Onno, I found the gels at a theatrical supply company.

I bought other colors to try like blue or green but went back to the "gold" color after a while. The nice thing is there is no impact to the display or case and it can be changed in few minutes.

Thanks for trying the gels! I'm off to look at your pictures!

73,
Randy
K4QO

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> James, K4CQ invented the idea and shared it with the group earlier. He might have better information available. Below my limited experience on the topic, hope it helps;
>
> Below the link to one of the companies producing those theatre gels.
>
> I bought the gel in a local music shop where they sell any type of music instrument but also DJ equipment (like theatre lights).. Another source where you could check is a good photocamera shop since those filters are also used to create the right colour setting when making picture.
>
> http://www.leefilters.com/lighting/
>
> I would personally recommend a little lighter version then "Lee 021 gold amber", perhaps "Lee 134 golden amber" works a little better since its a bit lighter.
>

5571. Re: 565 orange / black LCD (credit to K4QO)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-25 11:14:17 UTC
From: pa1ap
Topic: 5567 Message: 5571

Hello Randy,

My appologies for refering to you as James. I have been lazy and just did a lookup on qrz.com. Hope it did not upset you.

Yes its a great adjustment and its really nice to look at the lcd screen now. It also hides the contrast change overtime when the rig heats up.

I actually got used to the new golden orange colour and have it set to black / orange now. Its like looking at a new rig :-)

It doesnt change performance of the rig, i will not hear any station i did not hear before, output power does not change... but it makes it so much nicer to look at the rig.

It would be great if we could find a way to highlight the front panel to be able to work without much light around the rig. On my ts-480 the buttons contain small lights which is great for working under limited light conditions. I am looking around for a small led lightbar I could mount above the orion to provide sufficient light to operate the rig at evenings. The theatre gel could provide the right ambience :-)

Randy, curuous how you arrived at the idea?

Thanks and best regards,
Onno, pa1ap

--- In orion565@yahoogroups.com, "k4qo" <k4qo@...> wrote:
>
> Onno,
>
> Glad you tried that gel idea - it was easy to "apply" and easy to reverse. Not sure what the alcohol was for, but it's good to know that about the gels.
>
> I found that to my eye, the gel that made the main screen match the stock gold color of the meter was actually redder than you'd think. But it seems that to offset the blue color of the screen to make it gold like the meter, that's what it took. The "color number" of the piece I have is "7450", and I don't know what gel company that came from. Like Onno, I found the gels at a theatrical supply company.
>
> I bought other colors to try like blue or green but went back to the "gold" color after a while. The nice thing is there is no impact to the display or case and it can be changed in few minutes.
>
> Thanks for trying the gels! I'm off to look at your pictures!
>
> 73,
> Randy
> K4QO

>
>
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > James, K4CQ invented the idea and shared it with the group earlier. He might have better information available. Below my limited experience on the topic, hope it helps;
> >
> > Below the link to one of the companies producing those theatre gels.
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> > I bought the gel in a local music shop where they sell any type of music instrument but also DJ equipment (like theatre lights).. Another source where you could check is a good photocamera shop since those filters are also used to create the right colour setting when making picture.
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> > http://www.leefilters.com/lighting/
> >
> > I would personally recommend a little lighter version then "Lee 021 gold amber", perhaps "Lee 134 golden amber" works a little better since its a bit lighter.
> >
>

5572. Re: 565 orange / black LCD (credit to K4QO)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-25 14:52:56 UTC
From: pa1ap
Topic: 5567 Message: 5572

I did a search on the gels to learn manufactors and such like;

Randy has used 7450 which is manufactored by Apollo Design technology

http://apollodesign.net/

7450: Good fire light color. A Serengeti sun color. A deep rich color. (info apollo)

On this website they also include a "translator" which allows you to take another vendor color code (Lee / Rosco / GAM) and translate this into Apollo code. And if you go to those other manufactors they provide the same :-)

http://www.leefiltersusa.com
http://www.rosco.com/
http://www.gamonline.com/catalog/gelfile/

This allows you to take pretty much any brand while arriving at the same (or close) result. I personally find the Lee 021 a bit to dark and i am ordering Lee 134 which is a bit lighter orange. Have a look at the website and the colours.

Best regards,
Onno pa1ap

5573. Membership

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-25 18:41:55 UTC
From: N2FQ
Topic: 5573 Message: 5573

Hello.

I did received and approval but can't view the photo page, etc.

tnx.

5574. Re: Membership

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-25 18:55:01 UTC
From: pa1ap
Topic: 5573 Message: 5574

Perhaps log-out of yahoo and log-in again will fix the issue. Perhaps the user profile gets updated when you are fresh user again.

--- In orion565@yahoogroups.com, N2FQ <n2fq@...> wrote:
>
> Hello.
>
> I did received and approval but can't view the photo page, etc.
>
> tnx.
>

5575. Re: [orion565] Re: Membership

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-25 19:19:43 UTC
From: N2FQ
Topic: 5573 Message: 5575

Hello

Thanks, I've tried that.

I have sent an email to the moderator.

No problems with my other TT groups.

73 fernando n2fq
pa1ap wrote:
> Perhaps log-out of yahoo and log-in again will fix the issue. Perhaps the user profile gets updated when you are fresh user again.
>
>
>
>

5576. Re: 565 orange / black LCD (credit to K4QO)

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-26 10:06:07 UTC
From: pa1ap
Topic: 5567 Message: 5576

I have now been able to compare Lee 021 and Lee 134. lee 021 is my preference since it really gives a fancy color to the orion. Lee 134 is a bit "cold" and not as warm/comfy as the 021. In case you consider the gels from Lee I would suggest 021.

Enjoy and best regards,
Onno

5577. V 2.0 background Audio Distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-29 01:27:26 UTC
From: Ed Molnar
Topic: 5577 Message: 5577

I recently picked up an Orion I with Ver 1.372 firmware . I downloaded 2.062A and now I have noticeable distorted audio on the background noise ..not so much on a signal but mostly on the background. TT says that never heard of the problem but I guess others have.. Any thoughts ??

[Non-text portions of this message have been removed]

5578. Re: [orion565] V 2.0 background Audio Distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-29 01:38:24 UTC
From: Ed Menasian
Topic: 5577 Message: 5578

I must admit that is a new one one me. I have 4 Orion 565's that I have updated the firmware and never had that problem. I recently installed the beta version and I love it. Look over all you setting and do a master reset. If that does not work reinstall it again, Or install the beta version. Down load the history on the versions and you can see what they have changed or mostly added. I do not believe it is the fault of the firmware
Ed N8LPQ

--- On Mon, 9/28/09, Ed Molnar <aa8dc@...> wrote:

From: Ed Molnar <aa8dc@...>
Subject: [orion565] V 2.0 background Audio Distortion
To: orion565@yahoogroups.com
Date: Monday, September 28, 2009, 9:27 PM

I recently picked up an Orion I with Ver 1.372 firmware . I downloaded 2.062A and now I have noticeable distorted audio on the background noise ..not so much on a signal but mostly on the background. TT says that never heard of the problem but I guess others have.. Any thoughts ??

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[Non-text portions of this message have been removed]

5579. Looking for a Ten-Tec 1210 2 Meer trans

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-29 01:41:20 UTC
From: n8lpq
Topic: 5579 Message: 5579

I am looking for a factory TT 1210 2 meter transverter. MUST BE MINT with paper work.
Please send price shipped
Thanks
Ed N8LPQ

5580. Re: [orion565] V 2.0 background Audio Distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-29 01:51:39 UTC
From: jd_hudson@comcast.net
Topic: 5577 Message: 5580

Ed do a reset. Mine does the same thing when I change versions and upload to the newest version

73
John
KO4XJ
www.w4nja.org/ko4xj.htm
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: Ed Molnar <aa8dc@...>

Date: Mon, 28 Sep 2009 18:27:26
To: <orion565@yahoogroups.com>
Subject: [orion565] V 2.0 background Audio Distortion

I recently picked up an Orion I with Ver 1.372 firmware . I downloaded 2.062A and now I have noticeable distorted audio on the background noise ..not so much on a signal but mostly on the background. TT says that never heard of the problem but I guess others have.. Any thoughts ??

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[Non-text portions of this message have been removed]

5581. Re: V 2.0 background Audio Distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-29 02:10:55 UTC
From: aa8dc
Topic: 5577 Message: 5581

I just did the reset and it's not much better if at all
--- In orion565@yahoogroups.com, jd_hudson@... wrote:
>
> Ed do a reset. Mine does the same thing when I change versions and
upload to the newest version
>
> 73
> John
> KO4XJ
> www.w4nja.org/ko4xj.htm
> Sent from my Verizon Wireless BlackBerry
>
> -----Original Message-----
> From: Ed Molnar aa8dc@...
>
> Date: Mon, 28 Sep 2009 18:27:26
> To: orion565@yahoogroups.com
> Subject: [orion565] V 2.0 background Audio Distortion
>
>
> I recently picked up an Orion I with Ver 1.372 firmware . I
downloaded 2.062A and now I have noticeable distorted audio on the
background noise ..not so much on a signal but mostly on the background.
TT says that never heard of the problem but I guess others have.. Any
thoughts ??
>
>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
>

5582. Re: [orion565] V 2.0 background Audio Distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-29 02:22:18 UTC
From: Ed Molnar
Topic: 5577 Message: 5582

Where can I go to download firmware versions other than what are on the rfsquared web ?? I am hearing that /ver. 1.373B5 works well and does not have the distortion. I have a friend who tells me he cannot get rid of the distortion in the V2 firmware ?????? tnx fer your help..

From: "jd_hudson@..." <jd_hudson@...>
To: orion565@yahoogroups.com
Sent: Monday, September 28, 2009 9:51:39 PM
Subject: Re: [orion565] V 2.0 background Audio Distortion

Ed do a reset. Mine does the same thing when I change versions and upload to the newest version

73
John
KO4XJ
www.w4nja.org/ ko4xj.htm
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: Ed Molnar <aa8dc@yahoo. com>

Date: Mon, 28 Sep 2009 18:27:26
To: <orion565@yahoogroup s.com>
Subject: [orion565] V 2.0 background Audio Distortion

I recently picked up an Orion I with Ver 1.372 firmware . I downloaded 2.062A and now I have noticeable distorted audio on the background noise ..not so much on a signal but mostly on the background. TT says that never heard of the problem but I guess others have.. Any thoughts ??

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5583. Re: [orion565] V 2.0 background Audio Distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-29 02:38:50 UTC
From: Alan Sewell N5NA
Topic: 5577 Message: 5583

http://www.tentecwiki.org/doku.php?id=orionfw

Ed Molnar wrote:
> Where can I go to download firmware versions other than what are on the rfsquared web ?? I am hearing that /ver. 1.373B5 works well and does not have the distortion. I have a friend who tells me he cannot get rid of the distortion in the V2 firmware ?????? tnx fer your help..
>
>
>

5584. Re: V 2.0 background Audio Distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-29 08:34:22 UTC
From: pa1ap
Topic: 5577 Message: 5584

Greetings,

It feels i can almost write a thesis on this topic by now... Yes I have detected the distortion as well. Depending on the version of firmware its more present then others.

Below my observations:

Within release 2;
The only firmware being clean is 2056.
All version prior to 2056 simply dont work well.
All versions after that contain significant dsp artifacts.

Right now I am running the latest beta version (2063xG?) and RF AGC is plain horrible. AF AGC is better but has a very irritating "plopping" when there are strong signals present with fast rise time. It sounds like a poor vox on the transmitter side of the station I am copying (you hear a click when they start talking). When I do A/B test with kenwood 480 the "plopping" is not present while listning to the same qso.

Firmware 1372 has digital artifacts too, present in the out of band spectrum. The later 1.x versions have similar issues, perhaps little better but they are unstable for control.

I have done memory reset, system reset, step by step upgrade, nothing changes those issues. It seems to make a difference though when moving from release 1 to release 2 when you first upgrade to for example 2.x, reset the stuff, followed by upgrade to release 2.y.

When I want best audio I am loading 2056. Beautiful audio and absolute distortion free. No other rel 1 & 2 firmware beats it (unfortunately).

Check the files section, I have uploaded some information about the tests I performed which in my opinion clearly show the distortions. They are also present in the out of band spectrum and although they are about 20dB lower in volume, the human ear will certainly hear those signals.

I can not explain why some people find absolutely no problem and why I am one of the few reporting issues. Perhaps the ones not having problems have outside factors reducing the distortion such as headphone instead of speaker, active / passive filters between speaker and orion, low versus high impedance, I don't know. What I do know is that the measurements confirm the distortion.

Its a great rig with huge potential. I am looking forward to a stable firmware to secure that.

Best regards, Onno pa1ap

5585. Re: [orion565] Re: V 2.0 background Audio Distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-29 21:29:45 UTC
From: Ed Molnar
Topic: 5577 Message: 5585

Thank you .. V2.056 is clear of that distortion.. I don't know how anybody could NOT hear that ..

From: pa1ap <pa1ap@...>
To: orion565@yahoogroups.com
Sent: Tuesday, September 29, 2009 4:34:22 AM
Subject: [orion565] Re: V 2.0 background Audio Distortion

Greetings,

It feels i can almost write a thesis on this topic by now... Yes I have detected the distortion as well. Depending on the version of firmware its more present then others.

Below my observations:

Within release 2;
The only firmware being clean is 2056.
All version prior to 2056 simply dont work well.
All versions after that contain significant dsp artifacts.

Right now I am running the latest beta version (2063xG?) and RF AGC is plain horrible. AF AGC is better but has a very irritating "plopping" when there are strong signals present with fast rise time. It sounds like a poor vox on the transmitter side of the station I am copying (you hear a click when they start talking). When I do A/B test with kenwood 480 the "plopping" is not present while listning to the same qso.

Firmware 1372 has digital artifacts too, present in the out of band spectrum. The later 1.x versions have similar issues, perhaps little better but they are unstable for control.

I have done memory reset, system reset, step by step upgrade, nothing changes those issues. It seems to make a difference though when moving from release 1 to release 2 when you first upgrade to for example 2.x, reset the stuff, followed by upgrade to release 2.y.

When I want best audio I am loading 2056. Beautiful audio and absolute distortion free. No other rel 1 & 2 firmware beats it (unfortunately) .

Check the files section, I have uploaded some information about the tests I performed which in my opinion clearly show the distortions. They are also present in the out of band spectrum and although they are about 20dB lower in volume, the human ear will certainly hear those signals.

I can not explain why some people find absolutely no problem and why I am one of the few reporting issues. Perhaps the ones not having problems have outside factors reducing the distortion such as headphone instead of speaker, active / passive filters between speaker and orion, low versus high impedance, I don't know. What I do know is that the measurements confirm the distortion.

Its a great rig with huge potential. I am looking forward to a stable firmware to secure that.

Best regards, Onno pa1ap

[Non-text portions of this message have been removed]

5586. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-09-30 20:50:38 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5586

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap firmware comments & findings/2063xg fast rise time click.mp3
Uploaded by : pa1ap <pa1ap@...>
Description : 2063xg Fast rise time click issue

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20firmware%20comments%20%26%20findings/2063xg%20fast%20rise%20time%20click.mp3

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5587. New poll for orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-04 08:36:07 UTC
From: orion565@yahoogroups.com
Topic: 7 Message: 5587

Enter your vote today! A new poll has been created for the
orion565 group:

I notice audio distortion using Orion I (565):

o Yes and using firmware 1.x
o No and using firmware 1.x
o Yes and using firmware 2.x
o No and using firmware 2.x

To vote, please visit the following web page:
http://groups.yahoo.com/group/orion565/surveys?id=12949537

Note: Please do not reply to this message. Poll votes are
not collected via email. To vote, you must go to the Yahoo! Groups
web site listed above.

Thanks!

5588. Advice on how to test AGC function?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-04 10:06:38 UTC
From: pa1ap
Topic: 5588 Message: 5588

Greetings,

I am creating a testbed for testing receiver AGC functions and hope there is existing experience in such environment? I notice when going through the arrl tests there is a mention of AGC but coverage seems limited. I learned AGC can really impact receiver performance and hence its a bit suprising this area is not really tested yet.

Below my thoughts on testing AGC;
AGC seems all about reaction on signal variation. Take a stable RF generator which can change very fast signal levels and each time a signal changes a trigger pulse is send to some external device. This external device combined the audio output with the trigger pulse to see the reaction on the change. This way input and output difference can be captured and analyzed.

Second test area would be around full spectrum AGC testing and how this would be different from single signal AGC testing. My guess is that this will provide different outcome.

I did some initial tests and results are promising. I have seen the effect of threshold already. Decay and hang-time has been harder to test so far.

Looking forward to suggestions!

best regards, onno pa1ap

5589. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-04 13:01:03 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5589

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap agc stuff/AGC amplitude presence.jpg
Uploaded by : pa1ap <pa1ap@...>
Description : Amplitude presence and AGC impact

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20agc%20stuff/AGC%20amplitude%20presence.jpg

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5590. Re: [orion565] New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-04 13:24:22 UTC
From: Henry
Topic: 222 Message: 5590

Onno,

Can you explain the chart.

Henry.

orion565@yahoogroups.com wrote:
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the orion565
> group.
>
> File : /pa1ap agc stuff/AGC amplitude presence.jpg
> Uploaded by : pa1ap <pa1ap@...>
> Description : Amplitude presence and AGC impact
>
> You can access this file at the URL:
> http://groups.yahoo.com/group/orion565/files/pa1ap%20agc%20stuff/AGC%20amplitude%20prese
nce.jpg
>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/general.htmlfiles
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> Regards,
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> pa1ap <pa1ap@...>
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> Yahoo! Groups Links
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5591. Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-04 13:58:56 UTC
From: pa1ap
Topic: 222 Message: 5591

Hello Henry,

The chart provides so called presence probability. Vertical axe provides probability (0-100%) and horizontal axes provides amplitude. Amplitude is both positive and negative, just like one would see when looking at an oscilloscope monitoring audio. One can split the picture in 2 and ignore one side.

I have created the view using band noise only. Just as a reference to see if there is a difference when using various AGC functions.

The red graph is with AGC off. Here one can see much more presence on high amplitudes. This translates to higher audio presence, which one can also clearly hear when disabling AGC. All signals will be amplified...

The green graph is with AGC prog and threshold below band noise. Here one can see (already) that there is less presence on high amplitudes.

The purple graph is with AGC prog and threshold just above band noise. Here one will notice a significant improvement with regards to audio presence. band noise is not leveled any more by AGC and hence less audio comes out of the speaker.

I prefer using AGC prog and adjust the threshold to a value just above the noise or signals I don't care about. Makes listening a lot nicer but I could not figure out any factual data such as x dB improvement. With this test I hope I can actually connect an improvement value to correct threshold setting.

It seems we all pursue a setting where undesired signals have NO presence and desired signals are very present while listening.

I have used firmware 2056 since its the only firmware with clean audio. This to keep the results as predictable as possible. Audio presence on other firmware is a higher due to unexplained distortions.

I am working on repeating the tests using weak and stronger signals (generator) to see how the audio presence is processed by the AGC function.

Hope this helps?

Best regards, onno pa1ap

5592. Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-04 14:07:39 UTC
From: pa1ap
Topic: 222 Message: 5592

To provides some examples;

70dB amplitude presence:
Red: 68%
Green: 62%
Purple: 32%

75dB amplitude presence:
Red: 48%
Green: 40%
Purple: 4%

I have a document which describes the human ear perception of audio presence. 3dB is not perceived by the ear / brain as a factor 2... its a lot less then that. When mapping the perceived audio presence to the presence probability results one can better understand perceived improvement.

Hope this makes sense,

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Hello Henry,
>
> The chart provides so called presence probability. Vertical axe provides probability (0-100%) and horizontal axes provides amplitude. Amplitude is both positive and negative, just like one would see when looking at an oscilloscope monitoring audio. One can split the picture in 2 and ignore one side.
>
> I have created the view using band noise only. Just as a reference to see if there is a difference when using various AGC functions.
>
> The red graph is with AGC off. Here one can see much more presence on high amplitudes. This translates to higher audio presence, which one can also clearly hear when disabling AGC. All signals will be amplified...
>
> The green graph is with AGC prog and threshold below band noise. Here one can see (already) that there is less presence on high amplitudes.
>
> The purple graph is with AGC prog and threshold just above band noise. Here one will notice a significant improvement with regards to audio presence. band noise is not leveled any more by AGC and hence less audio comes out of the speaker.
>
> I prefer using AGC prog and adjust the threshold to a value just above the noise or signals I don't care about. Makes listening a lot nicer but I could not figure out any

factual data such as x dB improvement. With this test I hope I can actually connect an improvement value to correct threshold setting.
>
> It seems we all pursue a setting where undesired signals have NO presence and desired signals are very present while listening.
>
> I have used firmware 2056 since its the only firmware with clean audio. This to keep the results as predictable as possible. Audio presence on other firmware is a higher due to unexplained distortions.
>
> I am working on repeating the tests using weak and stronger signals (generator) to see how the audio presence is processed by the AGC function.
>
> Hope this helps?
>
> Best regards, onno pa1ap
>

5593. Fried PA FET

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-05 00:35:03 UTC
From: Stan
Topic: 5593 Message: 5593

I heard a loud click this afternoon while loading up the amp with the Orion, and now the Orion (565) has only about 5W output. I assume that the PA FET got fried and that what I am getting is from the exciter stage. I unhooked it from the amp and fed it straight into the antenna, and I still get only about 5W out. I have replaced FETs in other rigs with no problem. Has anyone done it with an Orion, and is it fairly straightforward, or is this one of those unfortunate deals where you have to send it to Sevierville? I will call them in the morning to see what they say, but just wondered if anyone here has experience replacing the finals.

Thanks,
Stan, W4AG

5594. Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-05 11:37:35 UTC
From: pa1ap
Topic: 222 Message: 5594

I have uploaded a couple of pictures to the directory below, connected to the topic of "sound presence".

A quick summary of it;
1) Ignoring the threshold value means you hear the band noise at a level of two people having a converstation in the same room.

2) Adjusting threshold just above bandnoise means you hear soft whispers / rustling leaves....

http://groups.yahoo.com/group/orion565/files/pa1ap%20agc%20stuff/

The DPF histogram allows presence to be visualized and hence the AGC function can be demonstrated.

Best regards,
Onno pa1ap

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> To provides some examples;
>
> 70dB amplitude presence:
> Red: 68%
> Green: 62%
> Purple: 32%
>
> 75dB amplitude presence:
> Red: 48%
> Green: 40%
> Purple: 4%
>
> I have a document which describes the human ear perception of audio presence. 3dB is not perceived by the ear / brain as a factor 2... its a lot less then that. When mapping the perceived audio presence to the presence probability results one can better understand perceived improvement.
>
> Hope this makes sense,
>
> Best regards, Onno pa1ap
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Hello Henry,
> >
> > The chart provides so called presence probability. Vertical axe provides probability

(0-100%) and horizontal axes provides amplitude. Amplitude is both positive and negative, just like one would see when looking at an oscilloscope monitoring audio. One can split the picture in 2 and ignore one side.
> >
> > I have created the view using band noise only. Just as a reference to see if there is a difference when using various AGC functions.
> >
> > The red graph is with AGC off. Here one can see much more presence on high amplitudes. This translates to higher audio presence, which one can also clearly hear when disabling AGC. All signals will be amplified...
> >
> > The green graph is with AGC prog and threshold below band noise. Here one can see (already) that there is less presence on high amplitudes.
> >
> > The purple graph is with AGC prog and threshold just above band noise. Here one will notice a significant improvement with regards to audio presence. band noise is not leveled any more by AGC and hence less audio comes out of the speaker.
> >
> > I prefer using AGC prog and adjust the threshold to a value just above the noise or signals I don't care about. Makes listening a lot nicer but I could not figure out any factual data such as x dB improvement. With this test I hope I can actually connect an improvement value to correct threshold setting.
> >
> > It seems we all pursue a setting where undesired signals have NO presence and desired signals are very present while listening.
> >
> > I have used firmware 2056 since its the only firmware with clean audio. This to keep the results as predictable as possible. Audio presence on other firmware is a higher due to unexplained distortions.
> >
> > I am working on repeating the tests using weak and stronger signals (generator) to see how the audio presence is processed by the AGC function.
> >
> > Hope this helps?
> >
> > Best regards, onno pa1ap
> >
>

5595. RE: [orion565] Re: ALC settings

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-05 23:33:23 UTC
From: Jeff
Topic: 5556 Message: 5595

Usually a roundtable will decay pretty quickly by itself, maybe if it could
be slowed a bit it might help .

Hello Tim 73

Jeff, N0OST

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
Of Tim Randa
Sent: Sunday, September 20, 2009 12:57 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: ALC settings

Would a person want a slow decay in a round table? I'm starting to think
this could be something very useful to use.

Tim KØFL

BobChortek wrote:
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
"pa1ap" <pa1ap@...> wrote:
>
>> From what I have been able to gather the threshold determines the point
where AGC will actually activate. Decay is how fast it will react on signals
above threshold and hangtime is how long gain will freeze when signal goes
down again. With different firmwares the AGC works a little different and
this is undocumented so far.
>>
>
> I think hang time is how long the agc stays at the maximum level once
activated and, once that hang time has expired, decay is the rate at which
the agc level returns to zero.
>
> 73,
>
> Bob/AA6VB
>
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

5596. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-08 21:43:14 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5596

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap agc stuff/AGC threshold knee.pdf
Uploaded by : pa1ap <pa1ap@...>
Description : Orion 565 Threshold visualized

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20agc%20stuff/AGC%20threshold%20knee.pd
f

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5597. Re: AGC threshold visualized

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-09 06:15:45 UTC
From: pa1ap
Topic: 222 Message: 5597

Greetings,

What you can deduct from the threshold curve is that signals below threshold will not be leveled to constant audio presence. As a result those signals will not sound that loud as signals above threshold. Above threshold all signals are leveled to a constant audio presence.

I guess if you are lucky enough tweaking the threshold in such way that it is above undesired signal and below desired signal you might hear the desired signal pop out of the "noise"... This will only work when band noise or undesired signals are low (like s1-s3) since the threshold resolution decreases quickly above about s3.

Supose band noise is at -100dB (about s2). You move the threshold to -90dB (about s4). You know right now that any signal above s4 will sound 10dB louder then the band noise. Moving threshold closer to band noise, to for example s3 results in a smaller difference, somewhere in the area of -96dB the desired signal above threshold will sound about 4 dB louder... Its questionable this generates enough audio presence to be noticed....

Hope this helps and is useful.

Best regards,
Onno

--- In orion565@yahoogroups.com, orion565@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the orion565
> group.
>
> File : /pa1ap agc stuff/AGC threshold knee.pdf
> Uploaded by : pa1ap <pa1ap@...>
> Description : Orion 565 Threshold visualized
>
> You can access this file at the URL:
> http://groups.yahoo.com/group/orion565/files/pa1ap%20agc%20stuff/AGC%20threshold%20knee.pdf
>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/general.htmlfiles
>
> Regards,
>
> pa1ap <pa1ap@...>

>

5598. AGC functions explained

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-09 07:29:31 UTC
From: pa1ap
Topic: 5598 Message: 5598

Greetings,

I am perhaps one of the slowest students ever and thank you all for your patience. I have summarized what I understand so far from the AGC function with orion. Please provide suggestions or comments where needed.

Our starting point;

We have an IF amplifier with constant gain (adding 10dB RF signal results in 10dB louder audio presence).

With no AGC function any RF signal level will be translated in a certain audio presence following a linear gain model.

When RF signal combined with the constant IF Gain results in a very loud audio presence we need a mechanism to adapt the IF gain. This to protect our ears but also to avoid the audio chain to start clipping on to much audio.

By default the AGC on orion 565 starts at 1uV*. Any RF signal level below this will be treated with constant IF gain. Any RF signal level above this 1uV* will receive a variable IF gain. IF gain could be increased or reduced in order to meet a constant "reference audio presence"

And here starts the trick with threshold. Adjusting the threshold allows you to change when AGC will activate. In case band noise is at a S-4 signal level you can move the threshold just above the band noise. As a result th band noise will not be processed by AGC and hence band noise audio presence will decline.

Opposite applies to RF signals exceeding the threshold value. Those signals will be processed by the AGC function to meet a constant "reference audio presence". Interesting to realize is that this applies to all RF signals above threshold. In other words a RF signal level just above threshold will sound a loud as a RF signal level at s9+60dB. You will not hear any difference in audio presence.

Decay fits very well into this as well. Rf Signal levels above threshold will receive a variable IF gain factor depending on their strength compared to expected constant "reference audio presence". The speed to adjust this variable IF gain is determined by the Decay value.

Hang time is all about avoiding a RF spike triggering the AGC Decay value. Since its all about probability I am not sure what the best value could be. Feeling wise I would set it to a very small value (0.08S or something like that) since it would not harm any reception and might avoid false triggering of decay.

Last but not least we have new options within the AGC algorithm such as 1:10dB and 1:20dB... This is an attempt to provide a differentiated constant "reference audio presence" where just above threshold RF levels will sound a little weaker then the way above threshold RF levels. I will see how I can test this and will share the results if

thats of interest for someone.

Ok, hope this helps and I hope my observations are correct.

Best regards,
Onno, pa1ap

*1uV = although the threshold is providing uV reference point there is no relation at all with any real RF signal level. Best is to use a cheat sheet which provides threshold value to s-meter value.

*reference audio presence = the audio which comes out of your speaker based on the AF gain dial.

5599. Automatic threshold setting program

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-11 06:02:31 UTC
From: pa1ap
Topic: 5599 Message: 5599

Greetings,

I am considering writing a small program to adjust threshold value automatically. The program would use the s-meter reading, take the minimum values over a certain time interval and adjust the threshold value to the measurement found. There are other ways to do this (like using sound card) but this would be a bit more complex to do.

I dont want to re-invent the wheel here, anyone wrote this type of application already? Any suggestions or advice on things to take into account?

Thanks and best regards,
Onno
p.s. yes I agree that ten-tec could have made such auto-threshold button in one the menu's....

5600. Re: [orion565] Automatic threshold setting program

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-11 18:27:02 UTC
From: dan stoian
Topic: 5599 Message: 5600

I can only guess you want to write a PC program to do this. I am wondering about this because I have noticed that the software I use (hamradiodeluxe) reports different values for S-meter readings than the ones diplayed on the radio.

maybe I am wrong... anyone else?

dan, yo2llq

On Sun, Oct 11, 2009 at 9:02 AM, pa1ap <pa1ap@...> wrote:

>
>
> Greetings,
>
> I am considering writing a small program to adjust threshold value
> automatically. The program would use the s-meter reading, take the minimum
> values over a certain time interval and adjust the threshold value to the
> measurement found. There are other ways to do this (like using sound card)
> but this would be a bit more complex to do.
>
> I dont want to re-invent the wheel here, anyone wrote this type of
> application already? Any suggestions or advice on things to take into
> account?
>
> Thanks and best regards,
> Onno
> p.s. yes I agree that ten-tec could have made such auto-threshold button in
> one the menu's....
>
>
>

--
Dan Stoian

[Non-text portions of this message have been removed]

5601. Re: Automatic threshold setting program

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-12 06:05:02 UTC
From: pa1ap
Topic: 5599 Message: 5601

Greetings,

First scripts are ready and working. Had some challenge developing serial communication script... has been a long time agoo :-)

Anyway, I first developed a script which increased threshold step by step and each step I took the associated S-meter value (main receiver). This way I have created a correlation between s-meter value and threshold value.

Second I quickly wrote a script which disabled the AGC, takes 10 s-meter samples, selects the smallest value out of that range, returns to AGc prog and then sets the threshold value based on smallest s-meter value... Just like one would do manually...

Its fun to use and it works well so far. It might be nice to use the sub receiver for the determination of threshold value and leave the main receiver alone during this process. Then the effect might be better noticable... I will work on this.

During the first script routine I noticed the orion s-meter values are not linear but we knew this before. Second it is possible to set threshold in 0.01uV steps and it will accept this. I am not sure if it actually gets applied though...

Anyway, I have tested the threshold script on empty frequency and the threshold value was right on. Then I changed to cw part of the band and tested it on very strong signal. The script picked up very nicely the lowest s-meter value and adjusted threshold to it. With weak cw signal it worked well too...

It takes out all the manual tweaking in a matter of seconds...

More news to following when I have time to refine the routines.
Best regards,
Onno

5602. Re: [orion565] Re: Automatic threshold setting program

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-12 10:06:23 UTC
From: John Huffman
Topic: 5599 Message: 5602

Onno -

What correlation do you use between the S-meter value and the threshold value? Do you increase the threshold enough to just increase the minimum S-meter reading?

73 de K1ESE
John

pa1ap wrote:
>
>
> Greetings,
>
> First scripts are ready and working. Had some challenge developing
> serial communication script... has been a long time agoo :-)
>
> Anyway, I first developed a script which increased threshold step by
> step and each step I took the associated S-meter value (main
> receiver). This way I have created a correlation between s-meter value
> and threshold value.
>
> Second I quickly wrote a script which disabled the AGC, takes 10
> s-meter samples, selects the smallest value out of that range, returns
> to AGc prog and then sets the threshold value based on smallest
> s-meter value... Just like one would do manually...
>
> Its fun to use and it works well so far. It might be nice to use the
> sub receiver for the determination of threshold value and leave the
> main receiver alone during this process. Then the effect might be
> better noticable... I will work on this.
>
> During the first script routine I noticed the orion s-meter values are
> not linear but we knew this before. Second it is possible to set
> threshold in 0.01uV steps and it will accept this. I am not sure if it
> actually gets applied though...
>
> Anyway, I have tested the threshold script on empty frequency and the
> threshold value was right on. Then I changed to cw part of the band
> and tested it on very strong signal. The script picked up very nicely
> the lowest s-meter value and adjusted threshold to it. With weak cw
> signal it worked well too...
>
> It takes out all the manual tweaking in a matter of seconds...
>
> More news to following when I have time to refine the routines.

> Best regards,
> Onno
>
>

5603. Re: Automatic threshold setting program

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-12 10:45:06 UTC
From: pa1ap
Topic: 5599 Message: 5603

Process to establish the correlation:
I created an array containing threshold value (uV) and corresponding s-meter value. When you turn up the threshold, the s-meter follows with it.
To create this reference array I performed the following:
1) orion RX not antenna
2) set threshold to value X and read s-meter value y
3) store X and Y into the array

Real signal threshold setting process:
1) switch off AGC
2) read s-meter value y
3) do a lookup within the reference array for closest match on value Y and retrieve value X (threshold)
4) switch on AGC
5) set threshold to value X

When using firmware release 2.x this pretty much reflects the manual operations one would do. Perhaps not the AGC off step but certainly a visual lookup on signal level and threshold effecting the s-meter reading.

With release 1.x one will have to hear the sound go a little weaker to determine the optimum threshold value...

This is a first routine which I am playing with. I might add variables such as up or down a step / percentage... It all depends on the effective usage of automated threshold. I will need to learn and experiment with it...

So far, after one night of coding, I found the routine to be pretty accurate. I felt tweaking the threshold to make little or no difference to the audio after the routine did its job. In other words, so far I am happy about the results.

Hope this helps,
Best regards,
Onno

--- In orion565@yahoogroups.com, John Huffman <hjohnc@...> wrote:
>
> Onno -
>
> What correlation do you use between the S-meter value and the threshold
> value? Do you increase the threshold enough to just increase the
> minimum S-meter reading?
>
> 73 de K1ESE
> John
>
> pa1ap wrote:

> >
> >
> > Greetings,
> >
> > First scripts are ready and working. Had some challenge developing
> > serial communication script... has been a long time agoo :-)
> >
> > Anyway, I first developed a script which increased threshold step by
> > step and each step I took the associated S-meter value (main
> > receiver). This way I have created a correlation between s-meter value
> > and threshold value.
> >
> > Second I quickly wrote a script which disabled the AGC, takes 10
> > s-meter samples, selects the smallest value out of that range, returns
> > to AGc prog and then sets the threshold value based on smallest
> > s-meter value... Just like one would do manually...
> >
> > Its fun to use and it works well so far. It might be nice to use the
> > sub receiver for the determination of threshold value and leave the
> > main receiver alone during this process. Then the effect might be
> > better noticable... I will work on this.
> >
> > During the first script routine I noticed the orion s-meter values are
> > not linear but we knew this before. Second it is possible to set
> > threshold in 0.01uV steps and it will accept this. I am not sure if it
> > actually gets applied though...
> >
> > Anyway, I have tested the threshold script on empty frequency and the
> > threshold value was right on. Then I changed to cw part of the band
> > and tested it on very strong signal. The script picked up very nicely
> > the lowest s-meter value and adjusted threshold to it. With weak cw
> > signal it worked well too...
> >
> > It takes out all the manual tweaking in a matter of seconds...
> >
> > More news to following when I have time to refine the routines.
> > Best regards,
> > Onno
> >
> >
>

5604. Settings for 715 and 565 with 709?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-12 11:14:38 UTC
From: Edward A. Feustel
Topic: 5604 Message: 5604

I am trying to find settings for the 715 when used with the
565 and the 709. If possible, I would like to have a
single setting for operation with the compressor in or
with the compressor out.

Without the compressor, I use a speech processor setting
of 3 and a mike gain setting of 50. I understand I will have
to turn off the 565's speech processor. Normally I use PTT,
but this does not seem possible with the 715. So I will have
to turn on VOX.

How have others configured their 709/715/565 for operation?
Have you been able to achieve a configuration that serves
with and without the use of the 715. Do you use the 565 User Settings
Memory to switch from Compressor On to Off?

Thanks and 73,
Ed, N5EI

5605. Re: Automatic threshold setting program

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-12 21:43:30 UTC
From: pa1ap
Topic: 5599 Message: 5605

Greetings,

I just played a little with the auto threshold script on weak signal.

http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/

empty part of the band, antenna connected:
red: threshold @0.37uV
green: auto threshold
weak signal on the band, antenna connected:
orange: threshold @0.37uv with weak signal
yellow: auto threshold with same weak signal, a few Hz up

Audio presence (histogram) certainly changes when threshold is adjusted. No conclusion yet... Never the less its fun to play with the orion and explore the possibilities. More to follow...

Best regards,
Onno

5606. AGC Settings

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-13 02:18:31 UTC
From: aa8dc
Topic: 4197 Message: 5606

What are some good starting points for the program AGC for CW and SSB.

5607. Re: AGC Settings

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-13 06:44:04 UTC
From: pa1ap
Topic: 4197 Message: 5607

Greetings,

My personal view (limited by perception):
Threshold a little above (band) noise / undesired signal*. Decay 5-10dB for casual ssb communication. Decay 10-20dB for ssb contesting. For CW contesting Decay could be a little higher if you can bare the additional signal / no signal noise.

Use no AGC function is another way of operation. Turn down RF Gain and turn up AF gain to max. Then control audio presence by turning up the RF Gain until you hear what you want to hear... This way your fingers are the AGC function. Seems to be a popular mode by many users.

There is really no difference between AGC slow / medium / fast / prog except the default settings they contain. You can tweak all of them to whatever you desire.... I have changed the Threshold on all of them to a little higher value to adjust to the band noise I have overhere. Then I can cycle through the AGC modes which contain different Decay values and I can use what I prefer at that moment in time.

Hope this helps,
Regards, ono pa1ap

*Firmware 1: turn up threshold until the audio presence drops down. Threshold does not influence the s-meter reading (no visual feedback about threshold value)
*Firmware 2: turn up threshold and watch the s-meter increase value. Stop when the s-meter pops over the s-meter band noise indication. That should get you in the approximate area of correct threshold value.

--- In orion565@yahoogroups.com, "aa8dc" <aa8dc@...> wrote:
>
> What are some good starting points for the program AGC for CW and SSB.
>

5608. Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-13 09:57:38 UTC
From: Sam
Topic: 5608 Message: 5608

Since purchasing my ORION II several months ago my radio has been used on 75 meters almost all the time. Recently I wanted to work a station on on 20 meters and found my audio was cut to almost a 10th of what my settings were for on 75 meters. I had to crank the MIC gain from about 35 to 100% to start with.

I called T*T about this and they told me the audio settings between different bands are different, and adjustments would have to be made, however I called two friends that also have ORIONS and they told me that their transmit volume stays the same on all bands ??

Who is right ?

Thanks 'n 73,

Sam
K3SAM, Butler PA

[Non-text portions of this message have been removed]

5609. Re: Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-13 10:39:36 UTC
From: pa1ap
Topic: 5608 Message: 5609

Depending on the firmware the answer is correct.... In the latest firmware there is an option to set global or per band. Its in the menu settings.

In case the menu setting is at global another issue could be the cause of the issue you found. RF Feedback will mess up any audio setting and typically it feels like you dont have enough audio to get some TX output. ALC doesn't display the expected etc...

Hope you can find the answer to the issue.
73 onno pa1ap

--- In orion565@yahoogroups.com, "Sam" <Sam@...> wrote:
>
> Since purchasing my ORION II several months ago my radio has been used
> on 75 meters almost all the time. Recently I wanted to work a station
> on on 20 meters and found my audio was cut to almost a 10th of what my
> settings were for on 75 meters. I had to crank the MIC gain from about
> 35 to 100% to start with.
>
> I called T*T about this and they told me the audio settings between
> different bands are different, and adjustments would have to be made,
> however I called two friends that also have ORIONS and they told me that
> their transmit volume stays the same on all bands ??
>
> Who is right ?
>
>
> Thanks 'n 73,
>
> Sam
> K3SAM, Butler PA
>
>
>
> [Non-text portions of this message have been removed]
>

5610. Re: [orion565] Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-13 10:40:20 UTC
From: Peter Frenning [OZ1PIF]
Topic: 5608 Message: 5610

Sam skrev:
> Since purchasing my ORION II several months ago my radio has been used
> on 75 meters almost all the time. Recently I wanted to work a station
> on on 20 meters and found my audio was cut to almost a 10th of what my
> settings were for on 75 meters. I had to crank the MIC gain from about
> 35 to 100% to start with.
>
> I called T*T about this and they told me the audio settings between
> different bands are different, and adjustments would have to be made,
> however I called two friends that also have ORIONS and they told me that
> their transmit volume stays the same on all bands ??
>
> Who is right ?
>
>
> Thanks 'n 73,
>
> Sam
> K3SAM, Butler PA
>
I have not noticed any significant differencies between the bands on my
O2. Settings I use: TT-708 Desk mike (dynamic) = 75; Boom Mike
((electret) = 50; DanMike Headset (electret) = 25;

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Armageddon was yesterday. **
** Today we have a really **
** serious problem! **
** (Lisbeth Salander's T-Shirt) **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

5611. Re: [orion565] Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-13 13:13:46 UTC
From: Jim Cox
Topic: 5608 Message: 5611

There might be a slight difference between bands but nothing like your seeing.
I never change mic gain between bands here. It must be something else causing this problem.
Jim K4JAF

----- Original Message -----
From: Sam
To: orion565@yahoogroups.com
Sent: Tuesday, October 13, 2009 4:57 AM
Subject: [orion565] Transmit Audio

Since purchasing my ORION II several months ago my radio has been used
on 75 meters almost all the time. Recently I wanted to work a station
on on 20 meters and found my audio was cut to almost a 10th of what my
settings were for on 75 meters. I had to crank the MIC gain from about
35 to 100% to start with.

I called T*T about this and they told me the audio settings between
different bands are different, and adjustments would have to be made,
however I called two friends that also have ORIONS and they told me that
their transmit volume stays the same on all bands ??

Who is right ?

Thanks 'n 73,

Sam
K3SAM, Butler PA

[Non-text portions of this message have been removed]

E-mail message checked by Spyware Doctor (6.1.0.447)
Database version: 6.13460
http://www.pctools.com/spyware-doctor-antivirus/

E-mail message checked by Spyware Doctor (6.1.0.447)
Database version: 6.13470
http://www.pctools.com/en/spyware-doctor-antivirus/

[Non-text portions of this message have been removed]

5612. Re: [orion565] Re: Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-13 14:04:29 UTC
From: Martin Ewing
Topic: 5608 Message: 5612

Seems likely it's the per band / global Mic/power setting in the "Other" menu that is causing the trouble for K3SAM. I just discovered that setting on my 565 (2.063Xg) to my surprise. Maybe we should read those Firmware History notes?

73 Martin AA6E

On Tue, Oct 13, 2009 at 6:39 AM, pa1ap <pa1ap@...> wrote:

> Depending on the firmware the answer is correct.... In the latest firmware
> there is an option to set global or per band. Its in the menu settings.
>
> In case the menu setting is at global another issue could be the cause of
> the issue you found. RF Feedback will mess up any audio setting and
> typically it feels like you dont have enough audio to get some TX output.
> ALC doesn't display the expected etc...
>
> Hope you can find the answer to the issue.
> 73 onno pa1ap
>
>
> --- In orion565@yahoogroups.com, "Sam" <Sam@...> wrote:
> >
> > Since purchasing my ORION II several months ago my radio has been used
> > on 75 meters almost all the time. Recently I wanted to work a station
> > on on 20 meters and found my audio was cut to almost a 10th of what my
> > settings were for on 75 meters. I had to crank the MIC gain from about
> > 35 to 100% to start with.
> >
> > I called T*T about this and they told me the audio settings between
> > different bands are different, and adjustments would have to be made,
> > however I called two friends that also have ORIONS and they told me that
> > their transmit volume stays the same on all bands ??
> >
> > Who is right ?
> >
> >
> > Thanks 'n 73,
> >
> > Sam
> > K3SAM, Butler PA
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >

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> ------------------------------------
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>
> Yahoo! Groups Links
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>

[Non-text portions of this message have been removed]

5613. Re: [orion565] Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-13 17:23:00 UTC
From: Billy Cox
Topic: 5608 Message: 5613

What version of firmware are you running?

There is an option as to using the same settings
by band, or more of a global setting for things
like power output/etc.

So, everyone is right? B-)

Check your settings there: (using the latest firmeware)

Go into ...
MENUS
Other
Mic/Pwr Setting
Then choose "Per Band" or "Global"

That help?

73 de Billy, AA4NU

-----Original Message-----
>From: Jim Cox <jcox123@...>
>There might be a slight difference between bands but nothing like your seeing.
>I never change mic gain between bands here. It must be something else causing >this
problem. Jim K4JAF
> ----- Original Message -----
> From: Sam
> Since purchasing my ORION II several months ago my radio has been used
> on 75 meters almost all the time. Recently I wanted to work a station
> on on 20 meters and found my audio was cut to almost a 10th of what my
> settings were for on 75 meters. I had to crank the MIC gain from about
> 35 to 100% to start with.
>
> I called T*T about this and they told me the audio settings between
> different bands are different, and adjustments would have to be made,
> however I called two friends that also have ORIONS and they told me that
> their transmit volume stays the same on all bands ??
>
> Who is right ?
>
> Thanks 'n 73,
>
> Sam
> K3SAM, Butler PA

5614. Re: Automatic threshold setting program

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-13 19:39:38 UTC
From: pa1ap
Topic: 5599 Message: 5614

I have been lucky I guess combining the right conditions with finishing the threshold routine using the sub receiver for measurement and taking the result to the main receiver threshold setting.

I have captured a qso on 80, where the ssb signal was about S4 to S5 and band noise around S3. The recording starts with default threshold setting and after about 5 seconds I started the auto threshold script... The results are really promising... There is a mp3 recording as well the matching audio picture which confirms the audio strength does not suffer from the auto threshold script...

http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/

Have a look and let me know what you think.

Best regards,
Onno pa1ap

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings,
>
> I just played a little with the auto threshold script on weak signal.
>
> http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/
>
> empty part of the band, antenna connected:
> red: threshold @0.37uV
> green: auto threshold
> weak signal on the band, antenna connected:
> orange: threshold @0.37uv with weak signal
> yellow: auto threshold with same weak signal, a few Hz up
>
> Audio presence (histogram) certainly changes when threshold is adjusted. No conclusion yet... Never the less its fun to play with the orion and explore the possibilities. More to follow...
>
> Best regards,
> Onno
>

5615. Re: Automatic threshold setting program

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-13 19:41:33 UTC
From: pa1ap
Topic: 5599 Message: 5615

sorry forgot to mention the file names;

"really good example.mp3" and "really good example.png"

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> I have been lucky I guess combining the right conditions with finishing the threshold routine using the sub receiver for measurement and taking the result to the main receiver threshold setting.
>
> I have captured a qso on 80, where the ssb signal was about S4 to S5 and band noise around S3. The recording starts with default threshold setting and after about 5 seconds I started the auto threshold script... The results are really promising... There is a mp3 recording as well the matching audio picture which confirms the audio strength does not suffer from the auto threshold script...
>
> http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/
>
> Have a look and let me know what you think.
>
> Best regards,
> Onno pa1ap
>
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Greetings,
> >
> > I just played a little with the auto threshold script on weak signal.
> >
> > http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/
> >
> > empty part of the band, antenna connected:
> > red: threshold @0.37uV
> > green: auto threshold
> > weak signal on the band, antenna connected:
> > orange: threshold @0.37uv with weak signal
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> >
> > Audio presence (histogram) certainly changes when threshold is adjusted. No conclusion yet... Never the less its fun to play with the orion and explore the possibilities. More to follow...
> >
> > Best regards,
> > Onno

> >
>

5616. Re: [orion565] Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-13 19:54:20 UTC
From: N9ETD@AOL.COM
Topic: 5608 Message: 5616

My Orion II is using the 2.039 ver, and my audio is the same on each band.
I'm using a Heil HM 10 with the HC5 element and always get good audio
reports.

73, Craig N9ETD

[Non-text portions of this message have been removed]

5617. Re: [orion565] Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-13 20:05:50 UTC
From: Billy Cox
Topic: 5608 Message: 5617

Per-Band vs Global choice introduced with 2.041XL:

Version 2.041XL – Beta Firmware
Enhanced SWEEP function with enlarged display and tuning cursor
User selectable RF or AF derived AGC
Optional Per-Band or Global MIC/PWR settings
Enhanced A>B VFO Copy function
Increased headphone audio level
---

73 de Billy, AA4NU

-----Original Message-----
>From: N9ETD@...
>My Orion II is using the 2.039 ver, and my audio is the same on each band.
>I'm using a Heil HM 10 with the HC5 element and always get good audio
>reports.
>
>73, Craig N9ETD

5618. Re: [orion565] Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-13 21:56:15 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 5608 Message: 5618

I should have stated that I'm using v2.039, not 2.041XL.
I've heard of too many bugs in 2.049 so I'm waiting...

From: Billy Cox <aa4nu@...>
To: orion565@yahoogroups.com
Sent: Tuesday, October 13, 2009 4:05:50 PM
Subject: Re: [orion565] Transmit Audio

Per-Band vs Global choice introduced with 2.041XL:

Version 2.041XL – Beta Firmware
Enhanced SWEEP function with enlarged display and tuning cursor
User selectable RF or AF derived AGC
Optional Per-Band or Global MIC/PWR settings
Enhanced A>B VFO Copy function
Increased headphone audio level
---

73 de Billy, AA4NU

-----Original Message-----
>From: N9ETD@...
>My Orion II is using the 2.039 ver, and my audio is the same on each band.
>I'm using a Heil HM 10 with the HC5 element and always get good audio
>reports.
>
>73, Craig N9ETD

[Non-text portions of this message have been removed]

5619. RE: [orion565] Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-14 01:31:49 UTC
From: Stan Dicks
Topic: 5608 Message: 5619

I have to turn the mic gain up from 40 to 50-60 and the SP from 4 to 5 to get the same audio out when I go from 75M to 20M, so, yes, this problem does exist. I am using the latest firmware version. Will have to look for the global setting others have referred to, which will maybe fix it.

73,
Stan, W4AG

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Sam
Sent: Tuesday, October 13, 2009 5:58 AM
To: orion565@yahoogroups.com
Subject: [orion565] Transmit Audio

Since purchasing my ORION II several months ago my radio has been used on 75 meters almost all the time. Recently I wanted to work a station on on 20 meters and found my audio was cut to almost a 10th of what my settings were for on 75 meters. I had to crank the MIC gain from about 35 to 100% to start with.

I called T*T about this and they told me the audio settings between different bands are different, and adjustments would have to be made, however I called two friends that also have ORIONS and they told me that their transmit volume stays the same on all bands ??

Who is right ?

Thanks 'n 73,

Sam
K3SAM, Butler PA

[Non-text portions of this message have been removed]

Yahoo! Groups Links

5620. Re: [orion565] Re: Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-14 04:04:24 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 5608 Message: 5620

Maybe he hasn't done any firmware updates ?

From: Martin Ewing <martin.s.ewing@...>
To: orion565@yahoogroups.com
Sent: Tuesday, October 13, 2009 10:04:29 AM
Subject: Re: [orion565] Re: Transmit Audio

Seems likely it's the per band / global Mic/power setting in the "Other"
menu that is causing the trouble for K3SAM. I just discovered that setting
on my 565 (2.063Xg) to my surprise. Maybe we should read those Firmware
History notes?

73 Martin AA6E

On Tue, Oct 13, 2009 at 6:39 AM, pa1ap <pa1ap@nextchallenge .net> wrote:

> Depending on the firmware the answer is correct.... In the latest firmware
> there is an option to set global or per band. Its in the menu settings.
>
> In case the menu setting is at global another issue could be the cause of
> the issue you found. RF Feedback will mess up any audio setting and
> typically it feels like you dont have enough audio to get some TX output.
> ALC doesn't display the expected etc...
>
> Hope you can find the answer to the issue.
> 73 onno pa1ap
>
>
> --- In orion565@yahoogroup s.com, "Sam" <Sam@...> wrote:
> >
> > Since purchasing my ORION II several months ago my radio has been used
> > on 75 meters almost all the time. Recently I wanted to work a station
> > on on 20 meters and found my audio was cut to almost a 10th of what my
> > settings were for on 75 meters. I had to crank the MIC gain from about
> > 35 to 100% to start with.
> >
> > I called T*T about this and they told me the audio settings between
> > different bands are different, and adjustments would have to be made,
> > however I called two friends that also have ORIONS and they told me that
> > their transmit volume stays the same on all bands ??
> >
> > Who is right ?
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> >
> > Thanks 'n 73,

> >
> > Sam
> > K3SAM, Butler PA
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5621. Re: [orion565] Re: Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-14 14:52:31 UTC
From: Martin Ewing
Topic: 5608 Message: 5621

Maybe not. He may have acquired the unit with 2.063Xg installed. That's a problem -- if Orion manual is not updated with the latest firmware features, how is a buyer to know how to use them? (The 565 manual is dated Sept, 2003!) Maybe they enclose a surprisingly helpful update sheet with a new O II? I don't know, having bought my 565 many years ago now.

In fact the published Firmware History notes are pretty minimal. They don't really explain the new features or help users know how to use them.

73 Martin AA6E

On Wed, Oct 14, 2009 at 12:04 AM, Sam W. Jacobs, C.E.T. <Sam@...>wrote:

> Maybe he hasn't done any firmware updates ?
>
>
>
>
> _____
> From: Martin Ewing <martin.s.ewing@...>
> To: orion565@yahoogroups.com
> Sent: Tuesday, October 13, 2009 10:04:29 AM
> Subject: Re: [orion565] Re: Transmit Audio
>
>
> Seems likely it's the per band / global Mic/power setting in the "Other"
> menu that is causing the trouble for K3SAM. I just discovered that setting
> on my 565 (2.063Xg) to my surprise. Maybe we should read those Firmware
> History notes?
>
> 73 Martin AA6E
>
> On Tue, Oct 13, 2009 at 6:39 AM, pa1ap <pa1ap@nextchallenge .net> wrote:
>
> > Depending on the firmware the answer is correct.... In the latest
> firmware
> > there is an option to set global or per band. Its in the menu settings.
> >
> > In case the menu setting is at global another issue could be the cause of
> > the issue you found. RF Feedback will mess up any audio setting and
> > typically it feels like you dont have enough audio to get some TX output.
> > ALC doesn't display the expected etc...
> >
> > Hope you can find the answer to the issue.
> > 73 onno pa1ap
> >

> >
> > --- In orion565@yahoogroup s.com, "Sam" <Sam@...> wrote:
> > >
> > > Since purchasing my ORION II several months ago my radio has been used
> > > on 75 meters almost all the time. Recently I wanted to work a station
> > > on on 20 meters and found my audio was cut to almost a 10th of what my
> > > settings were for on 75 meters. I had to crank the MIC gain from about
> > > 35 to 100% to start with.
> > >
> > > I called T*T about this and they told me the audio settings between
> > > different bands are different, and adjustments would have to be made,
> > > however I called two friends that also have ORIONS and they told me
> that
> > > their transmit volume stays the same on all bands ??
> > >
> > > Who is right ?
> > >
> > >
> > > Thanks 'n 73,
> > >
> > > Sam
> > > K3SAM, Butler PA
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5622. Re: [orion565] Re: Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-14 15:59:16 UTC
From: Pumbaa
Topic: 5608 Message: 5622

I purchased a new Orion ii from Ten Tec this year. The operator's manual is dated as Version 4 - October 2006. What is included in the manual is generally fine but I miss having actual schematic diagrams of the various circuits with voltages, resistance, photographs, etc. My Ten Tec Century 21 operator's manual is superior in covering all these details.

Tom AG8K

----- Original Message -----
From: Martin Ewing
To: orion565@yahoogroups.com
Sent: Wednesday, October 14, 2009 9:52 AM
Subject: Re: [orion565] Re: Transmit Audio

Maybe not. He may have acquired the unit with 2.063Xg installed. That's a problem -- if Orion manual is not updated with the latest firmware features, how is a buyer to know how to use them? (The 565 manual is dated Sept, 2003!) Maybe they enclose a surprisingly helpful update sheet with a new O II? I don't know, having bought my 565 many years ago now.

In fact the published Firmware History notes are pretty minimal. They don't really explain the new features or help users know how to use them.

73 Martin AA6E

On Wed, Oct 14, 2009 at 12:04 AM, Sam W. Jacobs, C.E.T. <Sam@...>wrote:

> Maybe he hasn't done any firmware updates ?
>
>
>
>
> _____
> From: Martin Ewing <martin.s.ewing@...>
> To: orion565@yahoogroups.com
> Sent: Tuesday, October 13, 2009 10:04:29 AM
> Subject: Re: [orion565] Re: Transmit Audio
>
>
> Seems likely it's the per band / global Mic/power setting in the "Other"
> menu that is causing the trouble for K3SAM. I just discovered that setting
> on my 565 (2.063Xg) to my surprise. Maybe we should read those Firmware
> History notes?
>
> 73 Martin AA6E
>
> On Tue, Oct 13, 2009 at 6:39 AM, pa1ap <pa1ap@nextchallenge .net> wrote:

>
> > Depending on the firmware the answer is correct.... In the latest
> firmware
> > there is an option to set global or per band. Its in the menu settings.
> >
> > In case the menu setting is at global another issue could be the cause of
> > the issue you found. RF Feedback will mess up any audio setting and
> > typically it feels like you dont have enough audio to get some TX output.
> > ALC doesn't display the expected etc...
> >
> > Hope you can find the answer to the issue.
> > 73 onno pa1ap
> >
> >
> > --- In orion565@yahoogroup s.com, "Sam" <Sam@...> wrote:
> > >
> > > Since purchasing my ORION II several months ago my radio has been used
> > > on 75 meters almost all the time. Recently I wanted to work a station
> > > on on 20 meters and found my audio was cut to almost a 10th of what my
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> > > I called T*T about this and they told me the audio settings between
> > > different bands are different, and adjustments would have to be made,
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> > > their transmit volume stays the same on all bands ??
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> > > Thanks 'n 73,
> > >
> > > Sam
> > > K3SAM, Butler PA
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5623. RE: [orion565] Re: Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-14 18:03:22 UTC
From: Wes Attaway (N5WA)
Topic: 5608 Message: 5623

I believe there are some schematics on the TenTec web site. I do not know whether or not they cover the entire radio.

---------- Wes Attaway (N5WA) ----------

1138 Waters Edge Circle - Shreveport, LA 71106

318-797-4972 (office) - 318-393-3289 (cell)

Computer Consulting and Forensics

---------- EnCase Certified Examiner ----------

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From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Pumbaa
Sent: Wednesday, October 14, 2009 10:59 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Transmit Audio

I purchased a new Orion ii from Ten Tec this year. The operator's manual is dated as Version 4 - October 2006. What is included in the manual is generally fine but I miss having actual schematic diagrams of the various circuits with voltages, resistance, photographs, etc. My Ten Tec Century 21 operator's manual is superior in covering all these details.

Tom AG8K

----- Original Message -----
From: Martin Ewing
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Sent: Wednesday, October 14, 2009 9:52 AM
Subject: Re: [orion565] Re: Transmit Audio

Maybe not. He may have acquired the unit with 2.063Xg installed. That's a problem -- if Orion manual is not updated with the latest firmware features, how is a buyer to know how to use them? (The 565 manual is dated Sept, 2003!) Maybe they enclose a surprisingly helpful update sheet with a new O II? I don't know, having bought my 565 many years ago now.

In fact the published Firmware History notes are pretty minimal. They don't really explain the new features or help users know how to use them.

73 Martin AA6E

On Wed, Oct 14, 2009 at 12:04 AM, Sam W. Jacobs, C.E.T. <Sam@... <mailto:Sam%40k3sam.com> >wrote:

> Maybe he hasn't done any firmware updates ?
>
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> _____
> From: Martin Ewing <martin.s.ewing@ <mailto:martin.s.ewing%40gmail.com>
gmail.com>
> To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> Sent: Tuesday, October 13, 2009 10:04:29 AM
> Subject: Re: [orion565] Re: Transmit Audio
>
>
> Seems likely it's the per band / global Mic/power setting in the "Other"
> menu that is causing the trouble for K3SAM. I just discovered that setting
> on my 565 (2.063Xg) to my surprise. Maybe we should read those Firmware
> History notes?
>
> 73 Martin AA6E
>
> On Tue, Oct 13, 2009 at 6:39 AM, pa1ap <pa1ap@nextchallenge .net> wrote:
>
> > Depending on the firmware the answer is correct.... In the latest
> firmware
> > there is an option to set global or per band. Its in the menu settings.
> >
> > In case the menu setting is at global another issue could be the cause
of
> > the issue you found. RF Feedback will mess up any audio setting and
> > typically it feels like you dont have enough audio to get some TX
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> > ALC doesn't display the expected etc...
> >
> > Hope you can find the answer to the issue.
> > 73 onno pa1ap
> >
> >
> > --- In orion565@yahoogroup s.com, "Sam" <Sam@...> wrote:
> > >
> > > Since purchasing my ORION II several months ago my radio has been used
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> > > I called T*T about this and they told me the audio settings between
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> > >

> > > Who is right ?
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> > > Thanks 'n 73,
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> > > Sam
> > > K3SAM, Butler PA
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5624. RE: [orion565] Re: Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-15 01:01:29 UTC
From: Stan Dicks
Topic: 5608 Message: 5624

Yes, as far as I can tell, there are schematics for the whole radio. I downloaded and printed them all out, about 30-40 pages!

73,
Stan, W4AG

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Wes Attaway (N5WA)
Sent: Wednesday, October 14, 2009 2:03 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: Transmit Audio

I believe there are some schematics on the TenTec web site. I do not know whether or not they cover the entire radio.

------------------ Wes Attaway (N5WA) ------------------

1138 Waters Edge Circle - Shreveport, LA 71106

318-797-4972 (office) - 318-393-3289 (cell)

Computer Consulting and Forensics

-------------- EnCase Certified Examiner ---------------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Pumbaa
Sent: Wednesday, October 14, 2009 10:59 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Transmit Audio

I purchased a new Orion ii from Ten Tec this year. The operator's manual is dated as Version 4 - October 2006. What is included in the manual is generally fine but I miss having actual schematic diagrams of the various circuits with voltages, resistance, photographs, etc. My Ten Tec Century 21 operator's manual is superior in covering all these details.

Tom AG8K

----- Original Message -----
From: Martin Ewing
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Sent: Wednesday, October 14, 2009 9:52 AM
Subject: Re: [orion565] Re: Transmit Audio

Maybe not. He may have acquired the unit with 2.063Xg installed. That's a problem -- if Orion manual is not updated with the latest firmware features, how is a buyer to know how to use them? (The 565 manual is dated Sept, 2003!) Maybe they enclose a surprisingly helpful update sheet with a new O II? I don't know, having bought my 565 many years ago now.

In fact the published Firmware History notes are pretty minimal. They don't really explain the new features or help users know how to use them.

73 Martin AA6E

On Wed, Oct 14, 2009 at 12:04 AM, Sam W. Jacobs, C.E.T. <Sam@... <mailto:Sam%40k3sam.com> >wrote:

> Maybe he hasn't done any firmware updates ?
>
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> _____
> From: Martin Ewing <martin.s.ewing@ <mailto:martin.s.ewing%40gmail.com> gmail.com>
> To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> Sent: Tuesday, October 13, 2009 10:04:29 AM
> Subject: Re: [orion565] Re: Transmit Audio
>
>
> Seems likely it's the per band / global Mic/power setting in the "Other"
> menu that is causing the trouble for K3SAM. I just discovered that setting
> on my 565 (2.063Xg) to my surprise. Maybe we should read those Firmware
> History notes?
>
> 73 Martin AA6E
>
> On Tue, Oct 13, 2009 at 6:39 AM, pa1ap <pa1ap@nextchallenge .net> wrote:
>
> > Depending on the firmware the answer is correct.... In the latest
> firmware
> > there is an option to set global or per band. Its in the menu settings.
> >
> > In case the menu setting is at global another issue could be the cause
> of
> > the issue you found. RF Feedback will mess up any audio setting and
> > typically it feels like you dont have enough audio to get some TX
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> > Hope you can find the answer to the issue.
> > 73 onno pa1ap
> >
> >
> > --- In orion565@yahoogroup s.com, "Sam" <Sam@...> wrote:

> > >
> > > Since purchasing my ORION II several months ago my radio has been used
> > > on 75 meters almost all the time. Recently I wanted to work a station
> > > on on 20 meters and found my audio was cut to almost a 10th of what my
> > > settings were for on 75 meters. I had to crank the MIC gain from about
> > > 35 to 100% to start with.
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> > > I called T*T about this and they told me the audio settings between
> > > different bands are different, and adjustments would have to be made,
> > > however I called two friends that also have ORIONS and they told me
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> > > their transmit volume stays the same on all bands ??
> > >
> > > Who is right ?
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> > > Thanks 'n 73,
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> > > Sam
> > > K3SAM, Butler PA
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5625. Re: AGC functions explained

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-15 01:06:13 UTC
From: Don Kasten
Topic: 5598 Message: 5625

What I am not clear on is where (assuming a TT 565 or 566 and allowing for different firmware versions) in the AGC loop the S-Meter picks off it's signal level. Is it prior to AGC action, giving an accurate indication of relative RF signal strengths or is it post-AGC, possibly presenting a deceptive comparison of two, hypothetically widely varying input signal levels?

73,
Don
N4DK

5626. Re: AGC functions explained

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-15 07:16:33 UTC
From: pa1ap
Topic: 5598 Message: 5626

Hello Don,

You raise a very good question. I wish I could confirm from a design point of view....

If we look at the behavior we find Decay and Hang-time to influence the s-meter reading. Also running the latest 2063xG firmware (565) there is a significant difference between RF and AF AGC s-meter reading....

Since all seems processed within the dsp the s-meter routine could actually be very intelligent, picking up various variables pre- and post- agc. This way a combination can be made to arrive at most flexible and accurate readings...

What I did notice is that there is a significant difference between threshold value and associated s-meter value when comparing main or sub receiver.... They are not the same and this means setting threshold on main does not mean duplicating its value to the sub provides the same result... Just something to be aware off...

Something else I realized is that with strong band noise it helps to include additional attenuation prior to setting threshold. It seems the dsp has more dynamic range and threshold adjustment really articulates at that moment. I have uploaded two mp3 files which demonstrates the effect...

best regards, onno pa1ap

--- In orion565@yahoogroups.com, Don Kasten <n4dk@...> wrote:
>
>
> What I am not clear on is where (assuming a TT 565 or 566 and allowing
> for different firmware versions) in the AGC loop the S-Meter picks off
> it's signal level. Is it prior to AGC action, giving an accurate
> indication of relative RF signal strengths or is it post-AGC, possibly
> presenting a deceptive comparison of two, hypothetically widely varying
> input signal levels?
>
> 73,
> Don
> N4DK
>

5627. Re: Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-16 00:22:11 UTC
From: k1fpv
Topic: 5608 Message: 5627

I find that unusual! I'm running firmware version 2.039d and my settings remain constant on each band. I did update to 2.041XT, but didn't like not having any frequency calibration for the sweep. The waterfall was not very impressive either. Guess I'm too used to the waterfall on MixW 2.19!

Bill,
K1FPV

--- In orion565@yahoogroups.com, "Sam" <Sam@...> wrote:
>
> Since purchasing my ORION II several months ago my radio has been used
> on 75 meters almost all the time. Recently I wanted to work a station
> on on 20 meters and found my audio was cut to almost a 10th of what my
> settings were for on 75 meters. I had to crank the MIC gain from about
> 35 to 100% to start with.
>
> I called T*T about this and they told me the audio settings between
> different bands are different, and adjustments would have to be made,
> however I called two friends that also have ORIONS and they told me that
> their transmit volume stays the same on all bands ??
>
> Who is right ?
>
>
> Thanks 'n 73,
>
> Sam
> K3SAM, Butler PA
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> [Non-text portions of this message have been removed]
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5628. Re: Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-16 03:28:27 UTC
From: wc0l
Topic: 5608 Message: 5628

Thanks to everyone who commented on the Transmit Audio topic. I recently purchased a like new 565AT and I was starting to regret my purchase because I was having the same wide swings in audio settings from band to band. My menu was set to "global". Moving it to "per band" fixed my problem. I now have the same audio settings from 80 meters to 10 meters.
Thanks very much and 73,
Mike, WC0L

--- In orion565@yahoogroups.com, "k1fpv" <k1fpv@...> wrote:
>
> I find that unusual! I'm running firmware version 2.039d and my settings remain constant on each band. I did update to 2.041XT, but didn't like not having any frequency calibration for the sweep. The waterfall was not very impressive either. Guess I'm too used to the waterfall on MixW 2.19!
>
> Bill,
> K1FPV
>
> --- In orion565@yahoogroups.com, "Sam" <Sam@> wrote:
> >
> > Since purchasing my ORION II several months ago my radio has been used
> > on 75 meters almost all the time. Recently I wanted to work a station
> > on on 20 meters and found my audio was cut to almost a 10th of what my
> > settings were for on 75 meters. I had to crank the MIC gain from about
> > 35 to 100% to start with.
> >
> > I called T*T about this and they told me the audio settings between
> > different bands are different, and adjustments would have to be made,
> > however I called two friends that also have ORIONS and they told me that
> > their transmit volume stays the same on all bands ??
> >
> > Who is right ?
> >
> >
> > Thanks 'n 73,
> >
> > Sam
> > K3SAM, Butler PA
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

5629. Re: [orion565] Re: Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-16 14:32:33 UTC
From: Martin Ewing
Topic: 5608 Message: 5629

Odd. That's the reverse of what I'd expect. "Global" should apply the same setting to all bands. Maybe a Master Reset (or Battery Reset) is called for.

73 Martin AA6E

On Thu, Oct 15, 2009 at 11:28 PM, wc0l <wc0l@...> wrote:

> Thanks to everyone who commented on the Transmit Audio topic. I recently
> purchased a like new 565AT and I was starting to regret my purchase because
> I was having the same wide swings in audio settings from band to band. My
> menu was set to "global". Moving it to "per band" fixed my problem. I now
> have the same audio settings from 80 meters to 10 meters. Thanks very much
> and 73,
> Mike, WC0L
>
>

[Non-text portions of this message have been removed]

5630. Unknown character in display

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-16 16:15:16 UTC
From: N2FQ
Topic: 5630 Message: 5630

Hello.

I'm a new owner (few months) of a very fine 565 which

now has Version 2.063Xg.

I get a character (currently the letter 'A') to the left of 'TR'

on the screen. More precisely, it is over the hundredth digit on the VFO A

frequency display. Previously it was the letter 'C' so I decided to do

a Master Reset which made it a 'A'.

Can't figure out what I did nor what it means.

The firmware upgrade on TTWiKi didn't say anything about it.

Can anyone enlighten me?

tnx.

Fernando N2FQ/6

5631. Re: [orion565] Unknown character in display

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-16 16:52:18 UTC
From: Bernard Cohen
Topic: 5630 Message: 5631

This indicates which band stacking register you are on. Say, for example, you are on 20M. Push the 20M button. You will see the letters scroll to B, then C, then D, then back to A each time you push the button. In each of these registers you can set the frequency, mode, etc., and can return quickly to that particular band and mode. Say, for example, you set up your radio on 14.250, USB, with 2800 Hz bandwidth. You can push the 20M button, see a B on the screen, and set that up for 14.025 CW with 500 Hz bandwidth. To return quickly to SSB at 14.250, you push the 20M button three times, scroll though the C, D, and then back to A, which was previously set for 14.250 SSB at 2800 Hz. That way you can scroll quickly to up to four different band settings and modes by only pushing the 20M button instead of having to reset all of your band/mode settings. Have fun....Bernie K1SA

From: N2FQ <n2fq@sbcglobal.net>
To: orion565@yahoogroups.com
Sent: Fri, October 16, 2009 12:15:16 PM
Subject: [orion565] Unknown character in display

Hello.

I'm a new owner (few months) of a very fine 565 which

now has Version 2.063Xg.

I get a character (currently the letter 'A') to the left of 'TR'

on the screen. More precisely, it is over the hundredth digit on the VFO A

frequency display. Previously it was the letter 'C' so I decided to do

a Master Reset which made it a 'A'.

Can't figure out what I did nor what it means.

The firmware upgrade on TTWiKi didn't say anything about it.

Can anyone enlighten me?

tnx.

Fernando N2FQ/6

[Non-text portions of this message have been removed]

5632. Re: [orion565] Unknown character in display

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-16 16:48:11 UTC
From: Ken Neuffer
Topic: 5630 Message: 5632

You have 4 bandstacking registers labeled A,B,C & D. Keep punching the band button and the letters will change.

----- Original Message -----
From: N2FQ
To: orion565@yahoogroups.com
Sent: Friday, October 16, 2009 11:15 AM
Subject: [orion565] Unknown character in display

Hello.

I'm a new owner (few months) of a very fine 565 which

now has Version 2.063Xg.

I get a character (currently the letter 'A') to the left of 'TR'

on the screen. More precisely, it is over the hundredth digit on the VFO A

frequency display. Previously it was the letter 'C' so I decided to do

a Master Reset which made it a 'A'.

Can't figure out what I did nor what it means.

The firmware upgrade on TTWiKi didn't say anything about it.

Can anyone enlighten me?

tnx.

Fernando N2FQ/6

[Non-text portions of this message have been removed]

5633. Re: [orion565] Unknown character in display - Stacking register indicator

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-16 16:44:56 UTC
From: N2FQ
Topic: 5630 Message: 5633

Well a quick reply from Javier EA5DKU cleared it up.

tnx.
N2FQ wrote:
> Hello.
>
> I'm a new owner (few months) of a very fine 565 which
>
> now has Version 2.063Xg.
>
> I get a character (currently the letter 'A') to the left of 'TR'
>
> on the screen. More precisely, it is over the hundredth digit on the VFO A
>
> frequency display. Previously it was the letter 'C' so I decided to do
>
> a Master Reset which made it a 'A'.
>
>
> Can't figure out what I did nor what it means.
>
> The firmware upgrade on TTWiKi didn't say anything about it.
>
>
> Can anyone enlighten me?
>
> tnx.
>
> Fernando N2FQ/6
>
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> ------------------------------------
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> Yahoo! Groups Links
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>

5634. Re: [orion565] Unknown character in display

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-16 17:10:11 UTC
From: Billy Cox
Topic: 5630 Message: 5634

Hi Fernando, Try this ...

Look at your display screen and note
the "A" ...

Push one of the BAND BUTTONS one time
and notice that the "A" becomes "B"

Push the same BAND BUTTON again, one time,
and notice that the "B" becomes "C"

Push the same BAND BUTTON again, one time,
and notice that the "C" becomes "D"

Finally, push the same BAND BUTTON again, one time,
and now the "D" becomes "A" again.

These are the 4 different band registers and
allow you to preset the Orion for each band.

(Or think of this for each band, you actually
have 4 different "band positions" on the panel)

Each register will remember the frequency,
mode, etc. and it is quite handy to have.

Here I use "A" for CW
"B" for SSB
"C" for AM
"D" for RTTY <Digital>

Try it out ... it is a feature that was added in
the firmware since the manual was created, so the
details are not found in the current version.

I hope this helps, now go enjoy that Orion!

73 de Billy, AA4NU

-----Original Message-----
>From: N2FQ <n2fq@...>
>Hello.
>I'm a new owner (few months) of a very fine 565 which
>now has Version 2.063Xg.
>I get a character (currently the letter 'A') to the left of 'TR'
>on the screen. More precisely, it is over the hundredth digit on the VFO A
>frequency display. Previously it was the letter 'C' so I decided to do
>a Master Reset which made it a 'A'.

>
>Can't figure out what I did nor what it means.
>The firmware upgrade on TTWiKi didn't say anything about it.
>
>Can anyone enlighten me?
>tnx.
>
>Fernando N2FQ/6

5635. Re: [orion565] Unknown character in display

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-16 17:21:09 UTC
From: N2FQ
Topic: 5630 Message: 5635

Hello Bernie

Tnx for the reply and the explanation.

What great flexibility!

Coming from a Jupiter this is new to me but easy to understand.

I did play with it while reading the manual when I first got the radio.

However, the old firmware didn't have the annunciators, or maybe it did

and I didn't notice them.

What a great radio.

73 Fernando N2FQ/6
Bernard Cohen wrote:
> This indicates which band stacking register you are on. Say, for example, you are on 20M. Push the 20M button. You will see the letters scroll to B, then C, then D, then back to A each time you push the button. In each of these registers you can set the frequency, mode, etc., and can return quickly to that particular band and mode. Say, for example, you set up your radio on 14.250, USB, with 2800 Hz bandwidth. You can push the 20M button, see a B on the screen, and set that up for 14.025 CW with 500 Hz bandwidth. To return quickly to SSB at 14.250, you push the 20M button three times, scroll though the C, D, and then back to A, which was previously set for 14.250 SSB at 2800 Hz. That way you can scroll quickly to up to four different band settings and modes by only pushing the 20M button instead of having to reset all of your band/mode settings. Have fun....Bernie K1SA
>
>
>
>
> _____
> From: N2FQ <n2fq@...>
> To: orion565@yahoogroups.com
> Sent: Fri, October 16, 2009 12:15:16 PM
> Subject: [orion565] Unknown character in display
>
>
> Hello.
>
> I'm a new owner (few months) of a very fine 565 which
>
> now has Version 2.063Xg.
>
> I get a character (currently the letter 'A') to the left of 'TR'
>

> on the screen. More precisely, it is over the hundredth digit on the VFO A
>
> frequency display. Previously it was the letter 'C' so I decided to do
>
> a Master Reset which made it a 'A'.
>
> Can't figure out what I did nor what it means.
>
> The firmware upgrade on TTWiKi didn't say anything about it.
>
> Can anyone enlighten me?
>
> tnx.
>
> Fernando N2FQ/6
>
>
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>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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5636. Re: [orion565] Unknown character in display

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-16 18:14:23 UTC
From: N2FQ
Topic: 5630 Message: 5636

Tnx Billy for the details and example.. great help.

I've got figured out and great group here to boot.

Next stop is that contrast control adjustment under the

bottom cover. Spook the heck out of me when I

upgraded and the screen went blank. My 50% (default)

setting is a wash out.

73 to all
Billy Cox wrote:
> Hi Fernando, Try this ...
>
> Look at your display screen and note
> the "A" ...
>
> Push one of the BAND BUTTONS one time
> and notice that the "A" becomes "B"
>
> Push the same BAND BUTTON again, one time,
> and notice that the "B" becomes "C"
>
> Push the same BAND BUTTON again, one time,
> and notice that the "C" becomes "D"
>
> Finally, push the same BAND BUTTON again, one time,
> and now the "D" becomes "A" again.
>
> These are the 4 different band registers and
> allow you to preset the Orion for each band.
>
> (Or think of this for each band, you actually
> have 4 different "band positions" on the panel)
>
> Each register will remember the frequency,
> mode, etc. and it is quite handy to have.
>
> Here I use "A" for CW
> "B" for SSB
> "C" for AM
> "D" for RTTY <Digital>
>
> Try it out ... it is a feature that was added in

> the firmware since the manual was created, so the
> details are not found in the current version.
>
> I hope this helps, now go enjoy that Orion!
>
> 73 de Billy, AA4NU
>
>
> -----Original Message-----
>
>> From: N2FQ <n2fq@...>
>> Hello.
>> I'm a new owner (few months) of a very fine 565 which
>> now has Version 2.063Xg.
>> I get a character (currently the letter 'A') to the left of 'TR'
>> on the screen. More precisely, it is over the hundredth digit on the VFO A
>> frequency display. Previously it was the letter 'C' so I decided to do
>> a Master Reset which made it a 'A'.
>>
>> Can't figure out what I did nor what it means.
>> The firmware upgrade on TTWiKi didn't say anything about it.
>>
>> Can anyone enlighten me?
>> tnx.
>>
>> Fernando N2FQ/6
>>
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> Yahoo! Groups Links
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5637. Re: [orion565] Unknown character in display

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-16 16:33:12 UTC
From: Alex
Topic: 5630 Message: 5637

It is normal ... this letter indicates the position of band stacking.
if you push several time the same band button (ex 14 mhz) you will see
four band stacking:

A B C D

in each band stack you can memorize mode and BW position.

Enjoy

Alex it9yhr

Il giorno 16/ott/2009, alle ore 18.15, N2FQ ha scritto:

> Hello.
>
> I'm a new owner (few months) of a very fine 565 which
>
> now has Version 2.063Xg.
>
> I get a character (currently the letter 'A') to the left of 'TR'
>
> on the screen. More precisely, it is over the hundredth digit on the
> VFO A
>
> frequency display. Previously it was the letter 'C' so I decided to do
>
> a Master Reset which made it a 'A'.
>
> Can't figure out what I did nor what it means.
>
> The firmware upgrade on TTWiKi didn't say anything about it.
>
> Can anyone enlighten me?
>
> tnx.
>
> Fernando N2FQ/6
>
>

[Non-text portions of this message have been removed]

5638. Problem with main RX

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-17 19:40:11 UTC
From: Rob - G4LMW
Topic: 5638 Message: 5638

My receive audio in the main RX is virtually nil.

The second receiver is fine.

I checked the setting were the same on both. Eventually resorted to a master rest but still the same. It is as thought the front end has completely failed.

Anyone have any ideas?

Orion 1
Firmware v1.372

73, Rob
G4LMW
http://www.G4LMW.co.uk

[Non-text portions of this message have been removed]

5639. Re: [orion565] Problem with main RX

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-17 19:44:43 UTC
From: Rob - G4LMW
Topic: 5638 Message: 5639

I should correct that to "the received SIGNAL in the main receiver is virtually nil"

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Rob - G4LMW" <G4LMW@...>
To: <orion565@yahoogroups.com>
Sent: Saturday, October 17, 2009 8:40 PM
Subject: [orion565] Problem with main RX

> My receive audio in the main RX is virtually nil.
>
> The second receiver is fine.
>
> I checked the setting were the same on both. Eventually resorted to a
> master rest but still the same. It is as thought the front end has
> completely failed.
>
> Anyone have any ideas?
>
> Orion 1
> Firmware v1.372
>
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
>
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> Yahoo! Groups Links
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5640. Re: [orion565] Problem with main RX

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-17 19:51:54 UTC
From: jd_hudson@comcast.net
Topic: 5638 Message: 5640

Rob for giggles have you tried a different version of software?

Help to eliminate the rig or not!

73
John
KO4XJ
www.w4nja.org/ko4xj.htm
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: "Rob - G4LMW" <G4LMW@...>
Date: Sat, 17 Oct 2009 20:40:11
To: <orion565@yahoogroups.com>
Subject: [orion565] Problem with main RX

My receive audio in the main RX is virtually nil.

The second receiver is fine.

I checked the setting were the same on both. Eventually resorted to a master rest but still the same. It is as thought the front end has completely failed.

Anyone have any ideas?

Orion 1
Firmware v1.372

73, Rob
G4LMW
http://www.G4LMW.co.uk

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5641. Re: [orion565] Problem with main RX

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-17 20:08:21 UTC
From: Rob - G4LMW
Topic: 5638 Message: 5641

John

I'm afraid that I have tried about 5 different firmwares. Loading 2.062a as
I type this....

I am fear that the main rx front-end is shot.

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: <jd_hudson@...>
To: <orion565@yahoogroups.com>
Sent: Saturday, October 17, 2009 8:51 PM
Subject: Re: [orion565] Problem with main RX

> Rob for giggles have you tried a different version of software?
>
> Help to eliminate the rig or not!
>
> 73
> John
> KO4XJ
> www.w4nja.org/ko4xj.htm
> Sent from my Verizon Wireless BlackBerry
>
> -----Original Message-----
> From: "Rob - G4LMW" <G4LMW@...>
> Date: Sat, 17 Oct 2009 20:40:11
> To: <orion565@yahoogroups.com>
> Subject: [orion565] Problem with main RX
>
> My receive audio in the main RX is virtually nil.
>
> The second receiver is fine.
>
> I checked the setting were the same on both. Eventually resorted to a
> master rest but still the same. It is as thought the front end has
> completely failed.
>
> Anyone have any ideas?
>
> Orion 1
> Firmware v1.372
>

>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
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> Yahoo! Groups Links
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5642. Re: [orion565] Problem with main RX

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-17 20:49:35 UTC
From: jd_hudson@comcast.net
Topic: 5638 Message: 5642

Sounds like hardware for sure Rob. Is it just audio or no signal on the main? I have heard of encoders going bad. Wonder if the volume encoder went bad? Just thinking out loud

73
John
KO4XJ
www.w4nja.org/ko4xj.htm

Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: "Rob - G4LMW" <G4LMW@...>
Date: Sat, 17 Oct 2009 21:08:21
To: <orion565@yahoogroups.com>
Subject: Re: [orion565] Problem with main RX

John

I'm afraid that I have tried about 5 different firmwares. Loading 2.062a as
I type this....

I am fear that the main rx front-end is shot.

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: <jd_hudson@...>
To: <orion565@yahoogroups.com>
Sent: Saturday, October 17, 2009 8:51 PM
Subject: Re: [orion565] Problem with main RX

> Rob for giggles have you tried a different version of software?
>
> Help to eliminate the rig or not!
>
> 73
> John
> KO4XJ
> www.w4nja.org/ko4xj.htm
> Sent from my Verizon Wireless BlackBerry
>
> -----Original Message-----
> From: "Rob - G4LMW" <G4LMW@...>
> Date: Sat, 17 Oct 2009 20:40:11
> To: <orion565@yahoogroups.com>

> Subject: [orion565] Problem with main RX
>
> My receive audio in the main RX is virtually nil.
>
> The second receiver is fine.
>
> I checked the setting were the same on both. Eventually resorted to a
> master rest but still the same. It is as thought the front end has
> completely failed.
>
> Anyone have any ideas?
>
> Orion 1
> Firmware v1.372
>
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

5643. Re: [orion565] Problem with main RX

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-17 22:52:32 UTC
From: Rob - G4LMW
Topic: 5638 Message: 5643

"Thinking out loud" is a good way to go.

Unfortunately, the encoder is fine, just no signal.

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: <jd_hudson@...>
To: <orion565@yahoogroups.com>
Sent: Saturday, October 17, 2009 9:49 PM
Subject: Re: [orion565] Problem with main RX

> Sounds like hardware for sure Rob. Is it just audio or no signal on the
> main? I have heard of encoders going bad. Wonder if the volume encoder
> went bad? Just thinking out loud
>
> 73
> John
> KO4XJ
> www.w4nja.org/ko4xj.htm
>
> Sent from my Verizon Wireless BlackBerry
>
> -----Original Message-----
> From: "Rob - G4LMW" <G4LMW@...>
> Date: Sat, 17 Oct 2009 21:08:21
> To: <orion565@yahoogroups.com>
> Subject: Re: [orion565] Problem with main RX
>
> John
>
> I'm afraid that I have tried about 5 different firmwares. Loading 2.062a
> as
> I type this....
>
> I am fear that the main rx front-end is shot.
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
>
>
>
> ----- Original Message -----

> From: <jd_hudson@...>
> To: <orion565@yahoogroups.com>
> Sent: Saturday, October 17, 2009 8:51 PM
> Subject: Re: [orion565] Problem with main RX
>
>
>> Rob for giggles have you tried a different version of software?
>>
>> Help to eliminate the rig or not!
>>
>> 73
>> John
>> KO4XJ
>> www.w4nja.org/ko4xj.htm
>> Sent from my Verizon Wireless BlackBerry
>>
>> -----Original Message-----
>> From: "Rob - G4LMW" <G4LMW@...>
>> Date: Sat, 17 Oct 2009 20:40:11
>> To: <orion565@yahoogroups.com>
>> Subject: [orion565] Problem with main RX
>>
>> My receive audio in the main RX is virtually nil.
>>
>> The second receiver is fine.
>>
>> I checked the setting were the same on both. Eventually resorted to a
>> master rest but still the same. It is as thought the front end has
>> completely failed.
>>
>> Anyone have any ideas?
>>
>> Orion 1
>> Firmware v1.372
>>
>>
>> 73, Rob
>> G4LMW
>> http://www.G4LMW.co.uk
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> Yahoo! Groups Links
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5644. Re: [orion565] Problem with main RX

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-17 23:11:05 UTC
From: jd_hudson@comcast.net
Topic: 5638 Message: 5644

When you said "receive audio" I thought I could be hopeful!

Sorry Rob. GL

73
John
KO4XJ
www.w4nja.org/ko4xj.htm

Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: "Rob - G4LMW" <G4LMW@...>
Date: Sat, 17 Oct 2009 23:52:32
To: <orion565@yahoogroups.com>
Subject: Re: [orion565] Problem with main RX

"Thinking out loud" is a good way to go.

Unfortunately, the encoder is fine, just no signal.

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: <jd_hudson@...>
To: <orion565@yahoogroups.com>
Sent: Saturday, October 17, 2009 9:49 PM
Subject: Re: [orion565] Problem with main RX

> Sounds like hardware for sure Rob. Is it just audio or no signal on the
> main? I have heard of encoders going bad. Wonder if the volume encoder
> went bad? Just thinking out loud
>
> 73
> John
> KO4XJ
> www.w4nja.org/ko4xj.htm
>
> Sent from my Verizon Wireless BlackBerry
>
> -----Original Message-----
> From: "Rob - G4LMW" <G4LMW@...>
> Date: Sat, 17 Oct 2009 21:08:21
> To: <orion565@yahoogroups.com>
> Subject: Re: [orion565] Problem with main RX

>
> John
>
> I'm afraid that I have tried about 5 different firmwares. Loading 2.062a
> as
> I type this....
>
> I am fear that the main rx front-end is shot.
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
>
>
>
> ----- Original Message -----
> From: <jd_hudson@...>
> To: <orion565@yahoogroups.com>
> Sent: Saturday, October 17, 2009 8:51 PM
> Subject: Re: [orion565] Problem with main RX
>
>
>> Rob for giggles have you tried a different version of software?
>>
>> Help to eliminate the rig or not!
>>
>> 73
>> John
>> KO4XJ
>> www.w4nja.org/ko4xj.htm
>> Sent from my Verizon Wireless BlackBerry
>>
>> -----Original Message-----
>> From: "Rob - G4LMW" <G4LMW@...>
>> Date: Sat, 17 Oct 2009 20:40:11
>> To: <orion565@yahoogroups.com>
>> Subject: [orion565] Problem with main RX
>>
>> My receive audio in the main RX is virtually nil.
>>
>> The second receiver is fine.
>>
>> I checked the setting were the same on both. Eventually resorted to a
>> master rest but still the same. It is as thought the front end has
>> completely failed.
>>
>> Anyone have any ideas?
>>
>> Orion 1
>> Firmware v1.372

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>>
>> 73, Rob
>> G4LMW
>> http://www.G4LMW.co.uk
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5645. Re: [orion565] experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-18 00:00:29 UTC
From: Tom Berry
Topic: 5503 Message: 5645

>
> Does anyone have experience with the #902 inrad filter for the sub receiver which is available? Its promise of 4 Khz bandwidth instead of the stock 20Khz bandwidth could significantly improve the sub receiver performance....
>

This question has been asked before but I have never seen an answer.

Thanks
Tom AA4VV

5646. Re: [orion565] Problem with main RX

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-18 00:25:08 UTC
From: Chris Hinson
Topic: 5638 Message: 5646

My 566 did the same thing on the main receiver. The sub receiver still worked ok.
Ten Tec found and replaced bad filters on the IF converter board.
I hope this helps
73, Chris
----- Original Message -----
From: jd_hudson@...
To: orion565@yahoogroups.com
Sent: Saturday, October 17, 2009 7:11 PM
Subject: Re: [orion565] Problem with main RX

When you said "receive audio" I thought I could be hopeful!

Sorry Rob. GL

73
John
KO4XJ
www.w4nja.org/ko4xj.htm

Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: "Rob - G4LMW" <G4LMW@...>
Date: Sat, 17 Oct 2009 23:52:32
To: <orion565@yahoogroups.com>
Subject: Re: [orion565] Problem with main RX

"Thinking out loud" is a good way to go.

Unfortunately, the encoder is fine, just no signal.

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: <jd_hudson@...>
To: <orion565@yahoogroups.com>
Sent: Saturday, October 17, 2009 9:49 PM
Subject: Re: [orion565] Problem with main RX

> Sounds like hardware for sure Rob. Is it just audio or no signal on the
> main? I have heard of encoders going bad. Wonder if the volume encoder
> went bad? Just thinking out loud
>
> 73
> John

> KO4XJ
> www.w4nja.org/ko4xj.htm
>
> Sent from my Verizon Wireless BlackBerry
>
> -----Original Message-----
> From: "Rob - G4LMW" <G4LMW@...>
> Date: Sat, 17 Oct 2009 21:08:21
> To: <orion565@yahoogroups.com>
> Subject: Re: [orion565] Problem with main RX
>
> John
>
> I'm afraid that I have tried about 5 different firmwares. Loading 2.062a
> as
> I type this....
>
> I am fear that the main rx front-end is shot.
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
>
>
>
> ----- Original Message -----
> From: <jd_hudson@...>
> To: <orion565@yahoogroups.com>
> Sent: Saturday, October 17, 2009 8:51 PM
> Subject: Re: [orion565] Problem with main RX
>
>
>> Rob for giggles have you tried a different version of software?
>>
>> Help to eliminate the rig or not!
>>
>> 73
>> John
>> KO4XJ
>> www.w4nja.org/ko4xj.htm
>> Sent from my Verizon Wireless BlackBerry
>>
>> -----Original Message-----
>> From: "Rob - G4LMW" <G4LMW@...>
>> Date: Sat, 17 Oct 2009 20:40:11
>> To: <orion565@yahoogroups.com>
>> Subject: [orion565] Problem with main RX
>>
>> My receive audio in the main RX is virtually nil.
>>

>> The second receiver is fine.
>>
>> I checked the setting were the same on both. Eventually resorted to a
>> master rest but still the same. It is as thought the front end has
>> completely failed.
>>
>> Anyone have any ideas?
>>
>> Orion 1
>> Firmware v1.372
>>
>>
>> 73, Rob
>> G4LMW
>> http://www.G4LMW.co.uk
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5647. Re: [orion565] Problem with main RX

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-18 08:19:25 UTC
From: Rob - G4LMW
Topic: 5638 Message: 5647

Chris

Thanks. Hopefully it will not be too expensive to fix. A call will be made to TT-UK (AOR) first thing on Monday.

Again, thanks for the tip-off. It might save some time with diagnostics (and therefore cost of repair!).

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Chris Hinson" <chinson1@...>
To: <orion565@yahoogroups.com>
Sent: Sunday, October 18, 2009 1:25 AM
Subject: Re: [orion565] Problem with main RX

> My 566 did the same thing on the main receiver. The sub receiver still
> worked ok.
> Ten Tec found and replaced bad filters on the IF converter board.
> I hope this helps
> 73, Chris
> ----- Original Message -----
> From: jd_hudson@...
> To: orion565@yahoogroups.com
> Sent: Saturday, October 17, 2009 7:11 PM
> Subject: Re: [orion565] Problem with main RX
>
>
> When you said "receive audio" I thought I could be hopeful!
>
> Sorry Rob. GL
>
> 73
> John
> KO4XJ
> www.w4nja.org/ko4xj.htm
>
> Sent from my Verizon Wireless BlackBerry
>
> -----Original Message-----
> From: "Rob - G4LMW" <G4LMW@...>
> Date: Sat, 17 Oct 2009 23:52:32
> To: <orion565@yahoogroups.com>
> Subject: Re: [orion565] Problem with main RX

>
> "Thinking out loud" is a good way to go.
>
> Unfortunately, the encoder is fine, just no signal.
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
>
>
>
> ----- Original Message -----
> From: <jd_hudson@...>
> To: <orion565@yahoogroups.com>
> Sent: Saturday, October 17, 2009 9:49 PM
> Subject: Re: [orion565] Problem with main RX
>
>
> > Sounds like hardware for sure Rob. Is it just audio or no signal on the
> > main? I have heard of encoders going bad. Wonder if the volume encoder
> > went bad? Just thinking out loud
> >
> > 73
> > John
> > KO4XJ
> > www.w4nja.org/ko4xj.htm
> >
> > Sent from my Verizon Wireless BlackBerry
> >
> > -----Original Message-----
> > From: "Rob - G4LMW" <G4LMW@...>
> > Date: Sat, 17 Oct 2009 21:08:21
> > To: <orion565@yahoogroups.com>
> > Subject: Re: [orion565] Problem with main RX
> >
> > John
> >
> > I'm afraid that I have tried about 5 different firmwares. Loading
> 2.062a
> > as
> > I type this....
> >
> > I am fear that the main rx front-end is shot.
> >
> > 73, Rob
> > G4LMW
> > http://www.G4LMW.co.uk
> >
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> >

> > ----- Original Message -----
> > From: <jd_hudson@...>
> > To: <orion565@yahoogroups.com>
> > Sent: Saturday, October 17, 2009 8:51 PM
> > Subject: Re: [orion565] Problem with main RX
> >
> >
> >> Rob for giggles have you tried a different version of software?
> >>
> >> Help to eliminate the rig or not!
> >>
> >> 73
> >> John
> >> KO4XJ
> >> www.w4nja.org/ko4xj.htm
> >> Sent from my Verizon Wireless BlackBerry
> >>
> >> -----Original Message-----
> >> From: "Rob - G4LMW" <G4LMW@...>
> >> Date: Sat, 17 Oct 2009 20:40:11
> >> To: <orion565@yahoogroups.com>
> >> Subject: [orion565] Problem with main RX
> >>
> >> My receive audio in the main RX is virtually nil.
> >>
> >> The second receiver is fine.
> >>
> >> I checked the setting were the same on both. Eventually resorted to a
> >> master rest but still the same. It is as thought the front end has
> >> completely failed.
> >>
> >> Anyone have any ideas?
> >>
> >> Orion 1
> >> Firmware v1.372
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> >> 73, Rob
> >> G4LMW
> >> http://www.G4LMW.co.uk
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5648. Problem with main RX - SOLVED

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-18 20:43:21 UTC
From: Rob - G4LMW
Topic: 5648 Message: 5648

Rick (cc Orion reflector)

THANKS - you just indirectly saved me a fortune! .... I put the Orion back in situ and indeed, there were signals in the 1st IF. The next bit may seem ridiculous, given that (so far as I thought), I had looked at all the possibilities.....

Bear in mind that I operate 100% CW (except for the odd net and some club contests), so I never really have the BW wider than 400Hz. So, lo and behold, when I opened up the BW past 500Hz, wallop!... deafening signals. The Inrad 600Hz roofing filter had automatically selected.

I had a friend round yesterday and I was enthusing over the diversity of the wonderful TT Orion. I remember showing him where you could select the narrow filters. The trouble is, the 600Hz is the narrowest I have fitted.

Of course, the 2nd receiver was unaffected as the optional filters only apply to the main receiver.

My grateful thanks to all who offered advice and in particular to Rick, who pointed me in the right direction. I have changed the subject of this mail so that it might come up in a similar search for others

Now, to re-install the Orion back to its rightful place on the desk.....

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: Rick W
To: Rob - G4LMW
Sent: Sunday, October 18, 2009 4:45 PM
Subject: Re: Orion RX?

I'm not sure on the self-repair Rob BUT you might be able to isolate it to the board level. If you can determine which board is the likely culprit you could ship off the board for repair / testing. In my case that saves a bundle in shipping to Ten-Tec and all the hassle of customs.

Perhaps in your case that isn't as big an issue with local support available in England.

Good luck!

73,
Rick
VE7TK

Website: http://www3.telus.net/ve7tk

--- On Sun, 10/18/09, Rob - G4LMW <g4lmw@...> wrote:

From: Rob - G4LMW <g4lmw@...>
Subject: Re: Orion RX?
To: "Rick W" <ve7tk@...>
Received: Sunday, October 18, 2009, 3:18 PM

Hi Rick

Ah....

Just dismantled the station, ready to box up the Orion. But, might just set it up again and check. The thing is, I think the last version I installed was 2.xxx and not sure if the sweep will work (not done the hardware change). Might have to go back to 1.xxx first.

I'm wondering if this is something I might be able to repair myself?

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: Rick W
To: G4LMW@...
Sent: Sunday, October 18, 2009 4:04 PM
Subject: Orion RX?

Just curious but are you seeing strong signals on the Orion's sweep? If you are that would suggest the signals are making it to the 9MHz IF board. To do this test I'd put the sub-RX on another band and then on a different antenna with a dummy load.

73,
Rick
VE7TK

Website: http://www3.telus.net/ve7tk

Ask a question on any topic and get answers from real people. Go to Yahoo! Answers.

Looking for the perfect gift? Give the gift of Flickr!

[Non-text portions of this message have been removed]

5649. Software control of an Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-18 20:56:44 UTC
From: aa8dc
Topic: 5649 Message: 5649

I have an Orion 1 that I would like to control with some of the popular software. I have a West Mountain Radio Rigtal USB device and the cable
For Icom/Ten Tec . It's an 1/8 inch plug ??. I am already using the ACC plug on the back of the radio for my Signalink USB . I just wonder where to tap off the back for rig control??

5650. Re: [orion565] Problem with main RX - SOLVED

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-18 22:19:12 UTC
From: Pumbaa
Topic: 5648 Message: 5650

Excellent! I am happy for you. I have all the filters installed on my Orion 2 but unless the QRM is bad I usually keep my BW about 1200 HZ. I like the sound quality better with the bandwidth opened up. But I like to rag chew or work stations working QRP. I am not much into fighting the QRM involved with DXing. When I first got my Orion there were several times that I thought the radio was broken but it was just me not knowing which button to push or which setting to adjust. A good reading of the operator's manual has helped a lot.

I been looking for a "previously owned" HF amplifier like the Centurion. Right now they are very hard to find. I am about to decide just to spend some extra bucks and get the new Ameritron ALS-1300 1200 Watt solid state amplifier.

Tom AG8K

[Non-text portions of this message have been removed]

5651. Re: [orion565] Software control of an Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-18 22:33:31 UTC
From: Jim Cox
Topic: 5649 Message: 5651

I believe you have an cable for the Icom CIV interface which uses an 1/8 inch plug.
Some of the earlier Ten Tecs used CIV interface as well but your Orion use the RS232 interface so you need to get the proper cable for an Orion I.
You could build a CIV to RS232 adapter.
Jim K4JAF

----- Original Message -----
From: aa8dc
To: orion565@yahoogroups.com
Sent: Sunday, October 18, 2009 3:56 PM
Subject: [orion565] Software control of an Orion 1

I have an Orion 1 that I would like to control with some of the popular software. I have a West Mountain Radio Rigtal USB device and the cable
For Icom/Ten Tec . It's an 1/8 inch plug ??. I am already using the ACC plug on the back of the radio for my Signalink USB . I just wonder where to tap off the back for rig control??

E-mail message checked by Spyware Doctor (6.1.0.447)
Database version: 6.13500
http://www.pctools.com/spyware-doctor-antivirus/

E-mail message checked by Spyware Doctor (6.1.0.447)
Database version: 6.13500
http://www.pctools.com/en/spyware-doctor-antivirus/

[Non-text portions of this message have been removed]

5652. Re: Software control of an Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-19 06:53:28 UTC
From: pa1ap
Topic: 5649 Message: 5652

Just make sure both orion and your computer have a common ground to avoid burning the (sensitive) max232 chip within the orion logic board. Or perhaps use optocouplers between computer and orion... It breaks easily.

--- In orion565@yahoogroups.com, "aa8dc" <aa8dc@...> wrote:
>
> I have an Orion 1 that I would like to control with some of the popular software. I have a West Mountain Radio Rigtal USB device and the cable
> For Icom/Ten Tec . It's an 1/8 inch plug ??. I am already using the ACC plug on the back of the radio for my Signalink USB . I just wonder where to tap off the back for rig control??
>

5653. Re: [orion565] Re: Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-21 01:26:41 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 5608 Message: 5653

Again, I'm running 2.039d, DSP 2.06b14 and I've narrowed it down to just 20 meters. When you switch bands to 20 meters and begin to talk there is full audio on 20, after about 10 seconds the audio drops back to about 10%.

This is definitely a 20 meter problem on my Oii.

73,
Sam

From: Martin Ewing <martin.s.ewing@...>
To: orion565@yahoogroups.com
Sent: Friday, October 16, 2009 10:32:33 AM
Subject: Re: [orion565] Re: Transmit Audio

Odd. That's the reverse of what I'd expect. "Global" should apply the same setting to all bands. Maybe a Master Reset (or Battery Reset) is called for.

73 Martin AA6E

On Thu, Oct 15, 2009 at 11:28 PM, wc0l <wc0l@...> wrote:

> Thanks to everyone who commented on the Transmit Audio topic. I recently
> purchased a like new 565AT and I was starting to regret my purchase because
> I was having the same wide swings in audio settings from band to band. My
> menu was set to "global". Moving it to "per band" fixed my problem. I now
> have the same audio settings from 80 meters to 10 meters. Thanks very much
> and 73,
> Mike, WC0L
>
>

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[Non-text portions of this message have been removed]

5654. Re: Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-21 07:57:11 UTC
From: pa1ap
Topic: 5608 Message: 5654

Hello Sam,

Suggestion to isolate the issue.

Did you try transmitting using CW on 20 Meter and does it show the same behavior?

Can you record voice message into one of the voice memories and run this to check if this provides other results?

With headphone connected to orion, do you notice the audio declining after the 10 seconds transmit while "monitor" is enabled?

Does the power always drop, even when running 50Watts or less?

Are you using ten-tec microphone or some third part microphone?

What does the ALC LED tell you? Does it always blink on peaks, even when you notice the output power going down?

On ALC LED, does it follow the expected peaks or is it more random behavior and sometimes even at times you dont expect ALC to show?

Perhaps this way we can isolate possible root cause.

Best regards,
Onno pa1ap

5655. New poll for orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-21 08:33:53 UTC
From: orion565@yahoogroups.com
Topic: 7 Message: 5655

Enter your vote today! A new poll has been created for the
orion565 group:

I would like to have a program which provides auto threshold function;

"background: through experimenting with AGC threshold a script routine has been build which takes the signal samples and then sets threshold value just above the maximum, average or minimal signal values.
This has provided some really nice results and demonstrates the effect of setting threshold correctly"

o yes, running windows
o yes, running linux
o no, don't see any value for it
o no, don't have computer connected to rig

To vote, please visit the following web page:
http://groups.yahoo.com/group/orion565/surveys?id=12954790

Note: Please do not reply to this message. Poll votes are
not collected via email. To vote, you must go to the Yahoo! Groups
web site listed above.

Thanks!

5656. DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-21 21:48:12 UTC
From: wc1x@arrl.net
Topic: 5656 Message: 5656

Does anyone know the part number for the 2 pin molex DC power connector?
Perhaps a Mouser part number?

I would order one from Ten Tec but they will not ship via USPS (I have a overseas military APO address and can only recieve mail via USPS).

I will be off the air until I get this elusive connector... :-/

(I now have a $4000 radio that is non operational due to a 99 cent piece of unobtanium...)

Thanks,

Marc, WC1X, 4Z8BB

5657. Re: [orion565] DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-21 22:36:28 UTC
From: Alan Sewell N5NA
Topic: 5656 Message: 5657

Call or email the Ten-Tec service department. I called a couple of weeks ago to order a couple of foam windscreens for my 705 mics and they sent them by USPS.

It that doesn't work try this page:
http://www.tentecwiki.org/doku.php?id=80573

73,

Alan N5NA

wc1x@... wrote:
> Does anyone know the part number for the 2 pin molex DC power connector?
> Perhaps a Mouser part number?
>
> I would order one from Ten Tec but they will not ship via USPS (I have a overseas military APO address and can only recieve mail via USPS).
>
> I will be off the air until I get this elusive connector... :-/
>
> (I now have a $4000 radio that is non operational due to a 99 cent piece of unobtanium...)
>
> Thanks,
>
> Marc, WC1X, 4Z8BB
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5658. FS: Jupiter 538AT with accessories

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-21 22:42:22 UTC
From: John T. Fleming
Topic: 5658 Message: 5658

For sale: Ten-Tec Jupiter 538 AT with 302J Encoder Keypad and 705 microphone. Rig has been modified my Ten-Tec with the digital IF signal routed to the "spare" connector on the back for DRM reception. Rig has Jupiter MP538K chip kit for changing the display to copy and send CW as well as a PC keyboard (non-Ten-Tec). Price $1,400 plus shipping. I live in The Villages, FL which is located at the juncture of I75 and the Florida turnpike in central Florida.

73,
John, W3GQJ
john@...

5659. Re: [orion565] Re: Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-22 00:19:27 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 5608 Message: 5659

ok, thanks for riding along with me on this and all the suggestions.
I called TT today and spoke to Paul, he felt the only problem would be in the software so he had me do a master reset and settings reset.

I really hated to do that (last resort) as my settings would be lost however that is what I did and the low audio problems went away. So for now, all is ok.

Thanks everyone for your help and suggestions.

73,
Sam

From: pa1ap <pa1ap@...>
To: orion565@yahoogroups.com
Sent: Wednesday, October 21, 2009 3:57:11 AM
Subject: [orion565] Re: Transmit Audio

Hello Sam,

Suggestion to isolate the issue.

Did you try transmitting using CW on 20 Meter and does it show the same behavior?

Can you record voice message into one of the voice memories and run this to check if this provides other results?

With headphone connected to orion, do you notice the audio declining after the 10 seconds transmit while "monitor" is enabled?

Does the power always drop, even when running 50Watts or less?

Are you using ten-tec microphone or some third part microphone?

What does the ALC LED tell you? Does it always blink on peaks, even when you notice the output power going down?

On ALC LED, does it follow the expected peaks or is it more random behavior and sometimes even at times you dont expect ALC to show?

Perhaps this way we can isolate possible root cause.

Best regards,
Onno pa1ap

[Non-text portions of this message have been removed]

5660. Re: [orion565] Re: Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-22 00:31:19 UTC
From: carl ekas
Topic: 5608 Message: 5660

glad you got it fix sam and working 73 carl w3bmk//////////////////////////////

--- On Wed, 10/21/09, Sam W. Jacobs, C.E.T. <Sam@...> wrote:

From: Sam W. Jacobs, C.E.T. <Sam@...>
Subject: Re: [orion565] Re: Transmit Audio
To: orion565@yahoogroups.com
Date: Wednesday, October 21, 2009, 8:19 PM

ok, thanks for riding along with me on this and all the suggestions.
I called TT today and spoke to Paul, he felt the only problem would be in the software so he had me do a master reset and settings reset.

I really hated to do that (last resort) as my settings would be lost however that is what I did and the low audio problems went away. So for now, all is ok.

Thanks everyone for your help and suggestions.

73,
Sam

__________ _________ _________ __
From: pa1ap <pa1ap@nextchallenge .net>
To: orion565@yahoogroup s.com
Sent: Wednesday, October 21, 2009 3:57:11 AM
Subject: [orion565] Re: Transmit Audio

Hello Sam,

Suggestion to isolate the issue.

Did you try transmitting using CW on 20 Meter and does it show the same behavior?

Can you record voice message into one of the voice memories and run this to check if this provides other results?

With headphone connected to orion, do you notice the audio declining after the 10 seconds transmit while "monitor" is enabled?

Does the power always drop, even when running 50Watts or less?

Are you using ten-tec microphone or some third part microphone?

What does the ALC LED tell you? Does it always blink on peaks, even when you notice the output power going down?

On ALC LED, does it follow the expected peaks or is it more random behavior and sometimes even at times you dont expect ALC to show?

Perhaps this way we can isolate possible root cause.

Best regards,
Onno pa1ap

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5661. Re: [orion565] Re: Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-22 00:33:48 UTC
From: Martin Ewing
Topic: 5608 Message: 5661

Master Reset is the *first* thing to try for most problems! (But
losing settings is a drag.)

Glad you're fixed now.

73 Martin AA6E

On Wed, Oct 21, 2009 at 8:19 PM, Sam W. Jacobs, C.E.T. <Sam@...> wrote:
> ok, thanks for riding along with me on this and all the suggestions.
> I called TT today and spoke to Paul, he felt the only problem would be in the software so he had me do a master reset and settings reset.
>
> I really hated to do that (last resort) as my settings would be lost however that is what I did and the low audio problems went away. So for now, all is ok.
>
> Thanks everyone for your help and suggestions.
>
> 73,
> Sam
>
>

5662. Re: [orion565] Re: Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-22 00:44:44 UTC
From: Jim Cox
Topic: 5608 Message: 5662

Pencil and paper still works FB for storing your settings.. Jim K4JAF

----- Original Message -----
From: carl ekas
To: orion565@yahoogroups.com
Sent: Wednesday, October 21, 2009 7:31 PM
Subject: Re: [orion565] Re: Transmit Audio

glad you got it fix sam and working 73 carl w3bmk//////////////////////////////

--- On Wed, 10/21/09, Sam W. Jacobs, C.E.T. <Sam@...> wrote:

From: Sam W. Jacobs, C.E.T. <Sam@...>
Subject: Re: [orion565] Re: Transmit Audio
To: orion565@yahoogroups..com
Date: Wednesday, October 21, 2009, 8:19 PM

ok, thanks for riding along with me on this and all the suggestions.
I called TT today and spoke to Paul, he felt the only problem would be in the software so he had me do a master reset and settings reset.

I really hated to do that (last resort) as my settings would be lost however that is what I did and the low audio problems went away. So for now, all is ok.

Thanks everyone for your help and suggestions.

73,
Sam

---------- --------- --------- --
From: pa1ap <pa1ap@nextchallenge .net>
To: orion565@yahoogroup s.com
Sent: Wednesday, October 21, 2009 3:57:11 AM
Subject: [orion565] Re: Transmit Audio

Hello Sam,

Suggestion to isolate the issue.

Did you try transmitting using CW on 20 Meter and does it show the same behavior?

Can you record voice message into one of the voice memories and run this to check if this provides other results?

With headphone connected to orion, do you notice the audio declining after the 10 seconds transmit while "monitor" is enabled?

Does the power always drop, even when running 50Watts or less?

Are you using ten-tec microphone or some third part microphone?

What does the ALC LED tell you? Does it always blink on peaks, even when you notice the output power going down?

On ALC LED, does it follow the expected peaks or is it more random behavior and sometimes even at times you dont expect ALC to show?

Perhaps this way we can isolate possible root cause.

Best regards,
Onno pa1ap

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

E-mail message checked by Spyware Doctor (6.1.0.447)
Database version: 6.13530
http://www.pctools.com/spyware-doctor-antivirus/

E-mail message checked by Spyware Doctor (6.1.0.447)
Database version: 6.13530
http://www.pctools.com/en/spyware-doctor-antivirus/

[Non-text portions of this message have been removed]

5663. Re: [orion565] DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-22 02:37:36 UTC
From: Jerry N9AW
Topic: 5656 Message: 5663

I looked for Molex connectors just the other day on www.mouser.com . It was pretty easy to find them there with the part numbers, specs, etc.

Hope this helps.

Jerry N9AW

----- Original Message -----
From: wc1x@...
To: orion565@yahoogroups.com
Sent: Wednesday, October 21, 2009 4:48 PM
Subject: [orion565] DC Power Connector p/n

Does anyone know the part number for the 2 pin molex DC power connector?
Perhaps a Mouser part number?

I would order one from Ten Tec but they will not ship via USPS (I have a overseas military APO address and can only recieve mail via USPS).

I will be off the air until I get this elusive connector... :-/

(I now have a $4000 radio that is non operational due to a 99 cent piece of unobtanium...)

Thanks,

Marc, WC1X, 4Z8BB

[Non-text portions of this message have been removed]

5664. FL-7000 interface

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-22 17:04:07 UTC
From: Rob - G4LMW
Topic: 5664 Message: 5664

Hi

Has anyone out there successfully interfaced the band data from the Orion into the Yaesu FL-7000?

73, Rob
G4LMW
http://www.G4LMW.co.uk

[Non-text portions of this message have been removed]

5665. Re: Transmit Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-22 18:38:36 UTC
From: ad4hk2004
Topic: 5608 Message: 5665

His 'master' reset wasn't... He chose to save his settings else the BW would not have still been 500 cycles without a filter in the 600 cycle slot...
If you have the machine so jacked out of shape that you cannot figure what is happening, you need to do a ram clear and answer YES to all the "Do you want to . . . " messages...

I am pleased he solved it before shipping...
denny-o

5666. Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-23 00:16:28 UTC
From: ne7x
Topic: 5503 Message: 5666

Does the current roofing filter in the Orion-II second receiver meet the following characteristic?

Bandwidth 4000 Hz
Center Frequency 45.0000 MHz
Zin/Zout 50 ohms

If so, it should work providing:

Physically fits
Does not attenuate the signal

Tom NE7X...
http://ne7x.com

--- In orion565@yahoogroups.com, "Tom Berry" <tberry1@...> wrote:
>
> >
> > Does anyone have experience with the #902 inrad filter for the sub
> receiver which is available? Its promise of 4 Khz bandwidth instead of the
> stock 20Khz bandwidth could significantly improve the sub receiver
> performance....
> >
>
> This question has been asked before but I have never seen an answer.
>
>
> Thanks
> Tom AA4VV
>

5667. Re: [orion565] Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-23 10:44:58 UTC
From: Barry N1EU
Topic: 5503 Message: 5667

On Fri, Oct 23, 2009 at 12:16 AM, ne7x <mayo@...> wrote:
>
>
>
> Does the current roofing filter in the Orion-II second receiver meet the following characteristic?
>
> Bandwidth 4000 Hz
> Center Frequency 45.0000 MHz
> Zin/Zout 50 ohms
>

No, not even close. The subrx roofing filters are the same I vs II

73,
Barry N1EU

5668. Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-23 18:08:09 UTC
From: ve7tk
Topic: 5503 Message: 5668

InRad has the listed the 902 as a filter for the Orion sub-RX (but as we see nobody has reported on, or perhaps even tried, this mod). The sub-RX is virtually an RX321 board. Unfortunately the Ten-Tec filter "45MONO" specs are difficult to obtain.

The stock 45MHz filter is likely MUCH wider than the InRad. However, without insertion loss and impedance of both filters this mod is a $125+ crap shoot.

Of course IF it works it would be a much needed improvement for the sub-RX.

73,
Rick
VE7TK

5669. Re: [orion565] Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-23 19:31:17 UTC
From: Barry N1EU
Topic: 5503 Message: 5669

On Fri, Oct 23, 2009 at 6:08 PM, ve7tk <ve7tk@...> wrote:
>
> The stock 45MHz filter is likely MUCH wider than the InRad. However, without insertion loss and impedance of both filters this mod is a $125+ crap shoot.
>
> Of course IF it works it would be a much needed improvement for the sub-RX.
>

Very true. Bear in mind that anyone serious about tackling this mod
should also replace the 15Khz wide 450Khz second i.f. ceramic filter.

73,
Barry N1EU

5670. RE: [orion565] DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-23 22:56:21 UTC
From: Ed Pflueger
Topic: 5656 Message: 5670

Marc, did anyone give you a hand yet?

Ed.. AB4IQ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of wc1x@...
Sent: Wednesday, October 21, 2009 4:48 PM
To: orion565@yahoogroups.com
Subject: [orion565] DC Power Connector p/n

Does anyone know the part number for the 2 pin molex DC power connector? Perhaps a Mouser part number?

I would order one from Ten Tec but they will not ship via USPS (I have a overseas military APO address and can only recieve mail via USPS).

I will be off the air until I get this elusive connector... :-/

(I now have a $4000 radio that is non operational due to a 99 cent piece of unobtanium...)

Thanks,

Marc, WC1X, 4Z8BB

[Non-text portions of this message have been removed]

5671. Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-24 07:45:33 UTC
From: pa1ap
Topic: 5503 Message: 5671

Could you share motivation / background for changing the 455Khz filter as well? Replacing the first "roofing" filter w(c)ould provide better close signal selectivity, what would the second filter provide?

First filter might have more passband attenuation but I dont see that as a big issue.. DX I will use the main rx anyway, split and contest the sub goes to the crowd where it would be chaos anyway :-) Then a little more selectivity on sub would keep the sub rx a little cleaner?

Very interested on the topic!
best regards, Onno pa1ap

5672. Re: [orion565] DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-24 12:42:17 UTC
From: blownfuse1
Topic: 5656 Message: 5672

I have a spare plug.

Please let me know if you want it and I will make arrangements to get it to you ASAP.

David Seckt
Wd8oss
----- Original Message -----
From: Ed Pflueger
To: orion565@yahoogroups.com
Sent: Friday, October 23, 2009 6:56 PM
Subject: RE: [orion565] DC Power Connector p/n

Marc, did anyone give you a hand yet?

Ed.. AB4IQ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of wc1x@...
Sent: Wednesday, October 21, 2009 4:48 PM
To: orion565@yahoogroups.com
Subject: [orion565] DC Power Connector p/n

Does anyone know the part number for the 2 pin molex DC power connector? Perhaps a Mouser part number?

I would order one from Ten Tec but they will not ship via USPS (I have a overseas military APO address and can only recieve mail via USPS).

I will be off the air until I get this elusive connector... :-/

(I now have a $4000 radio that is non operational due to a 99 cent piece of unobtanium...)

Thanks,

Marc, WC1X, 4Z8BB

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5673. Re: [orion565] Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-24 19:23:51 UTC
From: Barry N1EU
Topic: 5503 Message: 5673

On Sat, Oct 24, 2009 at 7:45 AM, pa1ap <pa1ap@...> wrote:
> Could you share motivation / background for changing the 455Khz filter as well? Replacing the first "roofing" filter w(c)ould provide better close signal selectivity, what would the second filter provide?
>

As best as I can determine, the 450Khz filter is 15Khz wide (-6dB)
with 45dB ultimate rejection. If you're looking for better close
signal selectivity, these are not robust specifications.

73,
Barry N1EU

5674. low frequency performance

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-24 19:55:44 UTC
From: Lefteris
Topic: 5674 Message: 5674

I wonder if the lowest possible receiver freq is as advertised, 500kHz, or lower. If lower, then what is the actual receiver efficiency in low frequencies (as 136kHz etc)?
Is it possible to use this trx there?

5675. Re: DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-25 09:27:13 UTC
From: wc1x@arrl.net
Topic: 5656 Message: 5675

David,

Yes if you could do that it would be great!

You can ship it via USPS to:

Marc Chicoine
CMR 410 Box 126
APO AE 09049

I can look your address up in QRZ.com and send you a postal money order. I did look up molex connectors in Mouser but it is not easily discerned exactly what connector p/n I need in addition to what size pins I should order.

Tnx very much,

Marc, WC1X, 4Z8BB

--- In orion565@yahoogroups.com, "blownfuse1" <blownfuse1@...> wrote:
>
> I have a spare plug.
>
> Please let me know if you want it and I will make arrangements to get it to you ASAP.
>
> David Seckt
> Wd8oss
> ----- Original Message -----
> From: Ed Pflueger
> To: orion565@yahoogroups.com
> Sent: Friday, October 23, 2009 6:56 PM
> Subject: RE: [orion565] DC Power Connector p/n
>
>
> Marc, did anyone give you a hand yet?
>
> Ed.. AB4IQ
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of wc1x@...
> Sent: Wednesday, October 21, 2009 4:48 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] DC Power Connector p/n
>
> Does anyone know the part number for the 2 pin molex DC power connector?
> Perhaps a Mouser part number?
>
> I would order one from Ten Tec but they will not ship via USPS (I have a

> overseas military APO address and can only recieve mail via USPS).
>
> I will be off the air until I get this elusive connector... :-/
>
> (I now have a $4000 radio that is non operational due to a 99 cent piece of
> unobtanium...)
>
> Thanks,
>
> Marc, WC1X, 4Z8BB
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

5676. Re: [orion565] low frequency performance

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-25 13:06:59 UTC
From: Pumbaa
Topic: 5674 Message: 5676

I heard a couple of stations broadcasting religious programs the other night with my Orion 2. They were around 200 kHZ. The signals were not great but a G5RV is not made to receive VLF signals.

----- Original Message -----
From: Lefteris
To: orion565@yahoogroups.com
Sent: Saturday, October 24, 2009 2:55 PM
Subject: [orion565] low frequency performance

I wonder if the lowest possible receiver freq is as advertised, 500kHz, or lower. If lower, then what is the actual receiver efficiency in low frequencies (as 136kHz etc)?
Is it possible to use this trx there?

[Non-text portions of this message have been removed]

5677. Re: [orion565] Re: DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-25 15:55:41 UTC
From: blownfuse1
Topic: 5656 Message: 5677

Marc,

On Monday morning I will pick up a soft mailer and get it on the way to you.

Please don't worry about reimbursement. I am happy to help.

David Seckt
Wd8oss
----- Original Message -----
From: wc1x@...
To: orion565@yahoogroups.com
Sent: Sunday, October 25, 2009 5:27 AM
Subject: [orion565] Re: DC Power Connector p/n

David,

Yes if you could do that it would be great!

You can ship it via USPS to:

Marc Chicoine
CMR 410 Box 126
APO AE 09049

I can look your address up in QRZ.com and send you a postal money order. I did look up molex connectors in Mouser but it is not easily discerned exactly what connector p/n I need in addition to what size pins I should order.

Tnx very much,

Marc, WC1X, 4Z8BB

--- In orion565@yahoogroups.com, "blownfuse1" <blownfuse1@...> wrote:
>
> I have a spare plug.
>
> Please let me know if you want it and I will make arrangements to get it to you ASAP.
>
> David Seckt
> Wd8oss
> ----- Original Message -----
> From: Ed Pflueger
> To: orion565@yahoogroups.com
> Sent: Friday, October 23, 2009 6:56 PM
> Subject: RE: [orion565] DC Power Connector p/n
>
>
> Marc, did anyone give you a hand yet?

>
> Ed.. AB4IQ
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of wc1x@...
> Sent: Wednesday, October 21, 2009 4:48 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] DC Power Connector p/n
>
> Does anyone know the part number for the 2 pin molex DC power connector?
> Perhaps a Mouser part number?
>
> I would order one from Ten Tec but they will not ship via USPS (I have a
> overseas military APO address and can only recieve mail via USPS).
>
> I will be off the air until I get this elusive connector... :-/
>
> (I now have a $4000 radio that is non operational due to a 99 cent piece of
> unobtanium...)
>
> Thanks,
>
> Marc, WC1X, 4Z8BB
>
> [Non-text portions of this message have been removed]
>
>
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>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

5678. Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-25 17:17:18 UTC
From: ve7tk
Topic: 5503 Message: 5678

Barry and I have talked about the 455 kHz filter (off list) before. Ten-Tec uses an LTW33-455D with the specs listed in Barry's note below.

An alternate narrower filter, the LTW33-455HT (in the same drop-in package), is also available:

-6dB bandwidth of 6 kHz
with 60 dB rejection
... and slightly higher impedance (2000 vs 1500 ohms)

Unfortunately the only North American on-line sources I've found have a minimum order of $250 or more.

So unless someone in Europe or Asia can find a local source at a more reasonable cost I've put this mod on hold.

73,
Rick
VE7TK

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> On Sat, Oct 24, 2009 at 7:45 AM, pa1ap <pa1ap@...> wrote:
> > Could you share motivation / background for changing the 455Khz filter as well? Replacing the first "roofing" filter w(c)ould provide better close signal selectivity, what would the second filter provide?
> >
>
>
> As best as I can determine, the 450Khz filter is 15Khz wide (-6dB)
> with 45dB ultimate rejection. If you're looking for better close
> signal selectivity, these are not robust specifications.
>
> 73,
> Barry N1EU
>

5679. Re: [orion565] low frequency performance

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-25 22:48:30 UTC
From: Martin Ewing
Topic: 5674 Message: 5679

Are you sure? You can get spurious mixing that produces "stations"
down there where there really are none. My quick tests of the 565
against an Icom R8500 shows that the Orion runs out of gas at the low
end of the BC band - 540 kHz. I wouldn't trust any results from lower
than that!

73 Martin AA6E

On Sun, Oct 25, 2009 at 9:06 AM, Pumbaa <pinkertontommrs@...> wrote:
> I heard a couple of stations broadcasting religious programs the other night with my Orion 2. They were around 200 kHZ. The signals were not great but a G5RV is not made to receive VLF signals.
>
>
> ----- Original Message -----
> From: Lefteris
> To: orion565@yahoogroups.com
> Sent: Saturday, October 24, 2009 2:55 PM
> Subject: [orion565] low frequency performance
>
>
>   I wonder if the lowest possible receiver freq is as advertised, 500kHz, or lower. If lower, then what is the actual receiver efficiency in low frequencies (as 136kHz etc)?
> Is it possible to use this trx there?
>
>
>
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>
> [Non-text portions of this message have been removed]
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> ------------------------------------
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>
> Yahoo! Groups Links
>
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>
>

5680. Re: low frequency performance

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-26 12:05:55 UTC
From: Lefteris
Topic: 5674 Message: 5680

That's exactly what I'm afraid of, because it is not specs guaranteed down there.

--- In orion565@yahoogroups.com, Martin Ewing <martin.s.ewing@...> wrote:
>
> Are you sure? You can get spurious mixing that produces "stations"
> down there where there really are none. My quick tests of the 565
> against an Icom R8500 shows that the Orion runs out of gas at the low
> end of the BC band - 540 kHz. I wouldn't trust any results from lower
> than that!
>
> 73 Martin AA6E
>
> On Sun, Oct 25, 2009 at 9:06 AM, Pumbaa <pinkertontommrs@...> wrote:
> > I heard a couple of stations broadcasting religious programs the other night with my Orion 2. They were around 200 kHZ. The signals were not great but a G5RV is not made to receive VLF signals.
> >
> >
> > ----- Original Message -----
> > From: Lefteris
> > To: orion565@yahoogroups.com
> > Sent: Saturday, October 24, 2009 2:55 PM
> > Subject: [orion565] low frequency performance
> >
> >
> >   I wonder if the lowest possible receiver freq is as advertised, 500kHz, or lower. If lower, then what is the actual receiver efficiency in low frequencies (as 136kHz etc)?
> > Is it possible to use this trx there?
> >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
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> > ------------------------------------
> >
> >
> > Yahoo! Groups Links
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> >
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> >

>

5681. Re: [orion565] Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-26 12:40:38 UTC
From: Barry N1EU
Topic: 5503 Message: 5681

Actually, based on the component markings, I believe the Orion subrx filter is an LTW33-450E with a 450Khz i.f. - if it were 455Khz, it would open up the possiblity of using a Collins mechanical filter as was done with the Omni VII. As Rick mentions, there is a HT version of the filter available as well as a narrower IT version (LTW33-450IT) with 4Khz bandwidth.

73,
Barry N1EU

On Sun, Oct 25, 2009 at 5:17 PM, ve7tk <ve7tk@...> wrote:
>
>
>
> Barry and I have talked about the 455 kHz filter (off list) before. Ten-Tec uses an LTW33-455D with the specs listed in Barry's note below.
>
> An alternate narrower filter, the LTW33-455HT (in the same drop-in package), is also available:
>
> -6dB bandwidth of 6 kHz
> with 60 dB rejection
> ... and slightly higher impedance (2000 vs 1500 ohms)
>
> Unfortunately the only North American on-line sources I've found have a minimum order of $250 or more.
>
> So unless someone in Europe or Asia can find a local source at a more reasonable cost I've put this mod on hold.
>
> 73,
> Rick
> VE7TK
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> >
> > On Sat, Oct 24, 2009 at 7:45 AM, pa1ap <pa1ap@...> wrote:
> > > Could you share motivation / background for changing the 455Khz filter as well? Replacing the first "roofing" filter w(c)ould provide better close signal selectivity, what would the second filter provide?
> > >
> >
> >
> > As best as I can determine, the 450Khz filter is 15Khz wide (-6dB)

> > with 45dB ultimate rejection. If you're looking for better close
> > signal selectivity, these are not robust specifications.
> >
> > 73,
> > Barry N1EU
> >
>
>

5682. Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-26 21:47:04 UTC
From: ve7tk
Topic: 5503 Message: 5682

Thanks for this Barry but this gets more curious all the time?

The schematics for BOTH the 565 and 566 definitely say LTW33-455D but you found a model "E" 450 kHz filter?

However, the 565 manual (Page 57 of Rev 3 - Feb 2005) describes the Orion's sub-receiver as having 450 kHz IF.

So it looks like the Orion schematics are wrong.

That's never happened with Ten-Tec schematics before ;->>

73,
Rick
VE7TK

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Actually, based on the component markings, I believe the Orion subrx
> filter is an LTW33-450E with a 450Khz i.f. - if it were 455Khz, it
> would open up the possiblity of using a Collins mechanical filter as
> was done with the Omni VII. As Rick mentions, there is a HT version
> of the filter available as well as a narrower IT version (LTW33-450IT)
> with 4Khz bandwidth.
>
> 73,
> Barry N1EU
>
> On Sun, Oct 25, 2009 at 5:17 PM, ve7tk <ve7tk@...> wrote:
> >
> >
> >
> > Barry and I have talked about the 455 kHz filter (off list) before. Ten-Tec uses an LTW33-455D with the specs listed in Barry's note below.
> >
> > An alternate narrower filter, the LTW33-455HT (in the same drop-in package), is also available:
> >
> > -6dB bandwidth of 6 kHz
> > with 60 dB rejection
> > ... and slightly higher impedance (2000 vs 1500 ohms)
> >
> > Unfortunately the only North American on-line sources I've found have a minimum order of $250 or more.
> >
> > So unless someone in Europe or Asia can find a local source at a more reasonable cost

I've put this mod on hold.
> >
> > 73,
> > Rick
> > VE7TK
> >
> > --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> >
> > >
> > > On Sat, Oct 24, 2009 at 7:45 AM, pa1ap <pa1ap@> wrote:
> > > > Could you share motivation / background for changing the 455Khz filter as well? Replacing the first "roofing" filter w(c)ould provide better close signal selectivity, what would the second filter provide?
> > > >
> > >
> > >
> > > As best as I can determine, the 450Khz filter is 15Khz wide (-6dB)
> > > with 45dB ultimate rejection. If you're looking for better close
> > > signal selectivity, these are not robust specifications.
> > >
> > > 73,
> > > Barry N1EU
> > >
> >
> >
> >

5683. Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-27 13:30:02 UTC
From: WB2RHM - Ben Antanaitis
Topic: 5503 Message: 5683

At 06:11 10/27/2009, you wrote:
>Re: experience with #902 inrad filter for sub receiver?
Actually, based on the component markings, I believe the Orion subrx filter is an LTW33-450E with a 450Khz i.f. - if it were 455Khz, it would open up the possiblity of using a Collins mechanical filter as was done with the Omni VII. As Rick mentions, there is a HT version of the filter available as well as a narrower IT version (LTW33-450IT) with 4Khz bandwidth.
73,
Barry N1EU
****

All,

Here is a link to a .pdf file with the specifications of the LTW33-455 series of filters, giving bandwidths and two choices of impedance. http://www.hy-q.com.au/pdf/10120009.pdf Now which one would be the best to use for each application (SSB/CW/RTTY/PSK/General Purpose)?

Ben - WB2RHM

[Non-text portions of this message have been removed]

5684. Re: [orion565] Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-27 13:41:22 UTC
From: Barry N1EU
Topic: 5503 Message: 5684

On Tue, Oct 27, 2009 at 1:30 PM, WB2RHM - Ben Antanaitis
<WB2RHM@...> wrote:

> Here is a link to a .pdf file with the specifications of the
> LTW33-455 series of filters, giving bandwidths and two choices of
> impedance. http://www.hy-q.com.au/pdf/10120009.pdf

Actually, I believe the correct spec sheet is:

http://www.euroquartz.co.uk/Portals/0/ceramic-ltw33-450.pdf

73,
Barry N1EU

5685. severe audio distortion with ANF engaged

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-27 15:58:02 UTC
From: Andrew B. Steen
Topic: 5685 Message: 5685

Good morning all. I have sent Tentec an email on this issue, but thought I would throw it out here as well. I am running the latest beta firmware in my Orion II, and with the small glitches that we all know about aside, it works OK. Recently, my Automatic Notch Filter became unusable. Even at a setting of 1, the ssb signal is so distorted as to be unreadable. It used to work fine, and I realize that there would be a small amount of distortion. Now it wipes out the audio. Anyone else experience this issue? I have done a master reset to no avail.

73, Andrew K6STN

[Non-text portions of this message have been removed]

5686. Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-28 15:36:56 UTC
From: ve7tk
Topic: 5503 Message: 5686

Well I'd be interested in trying the LTW33-450HT. This is a +/-3 kHz (6 kHz bandwidth) filter versus the stock filter with +/-7.5 kHz (15 kHz bandwidth). I think the HT would be a good compromise for all but FM.

The problem is finding a source that will sell small quantities. Typical minimum orders are $250 to $300 for suppliers I have contacted.

73, Rick
VE7TK

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> On Tue, Oct 27, 2009 at 1:30 PM, WB2RHM - Ben Antanaitis
> <WB2RHM@...> wrote:
>
> > Here is a link to a .pdf file with the specifications of the
> > LTW33-455 series of filters, giving bandwidths and two choices of
> > impedance. http://www.hy-q.com.au/pdf/10120009.pdf
>
> Actually, I believe the correct spec sheet is:
>
> http://www.euroquartz.co.uk/Portals/0/ceramic-ltw33-450.pdf
>
> 73,
> Barry N1EU
>

5687. Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-29 14:20:47 UTC
From: wb2rhm
Topic: 5503 Message: 5687

I have arranged to order 10 sets of (LT450GW + LT450HTW) filters. I will be using 2 of the sets. It will take a couple of weeks until they arrive from TW.

Ben - WB2RHM

--- In orion565@yahoogroups.com, "ve7tk" <ve7tk@...> wrote:
>
> Well I'd be interested in trying the LTW33-450HT. This is a +/-3 kHz (6 kHz bandwidth) filter versus the stock filter with +/-7.5 kHz (15 kHz bandwidth). I think the HT would be a good compromise for all but FM.
>
> The problem is finding a source that will sell small quantities. Typical minimum orders are $250 to $300 for suppliers I have contacted.
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> 73, Rick
> VE7TK
>
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> >
> > On Tue, Oct 27, 2009 at 1:30 PM, WB2RHM - Ben Antanaitis
> > <WB2RHM@> wrote:
> >
> > > Here is a link to a .pdf file with the specifications of the
> > > LTW33-455 series of filters, giving bandwidths and two choices of
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> > Actually, I believe the correct spec sheet is:
> >
> > http://www.euroquartz.co.uk/Portals/0/ceramic-ltw33-450.pdf
> >
> > 73,
> > Barry N1EU
> >
>

5688. RE: [orion565] Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-29 16:45:31 UTC
From: Wes Attaway (N5WA)
Topic: 5503 Message: 5688

Ben .. How much would a set of these filters cost?

---------- Wes Attaway (N5WA) ----------

1138 Waters Edge Circle - Shreveport, LA 71106

318-797-4972 (office) - 318-393-3289 (cell)

Computer Consulting and Forensics

---------- EnCase Certified Examiner ----------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of wb2rhm
Sent: Thursday, October 29, 2009 9:21 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: experience with #902 inrad filter for sub receiver?

I have arranged to order 10 sets of (LT450GW + LT450HTW) filters. I will be using 2 of the sets. It will take a couple of weeks until they arrive from TW.

Ben - WB2RHM

--- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, "ve7tk" <ve7tk@...> wrote:
>
> Well I'd be interested in trying the LTW33-450HT. This is a +/-3 kHz (6 kHz bandwidth) filter versus the stock filter with +/-7.5 kHz (15 kHz bandwidth). I think the HT would be a good compromise for all but FM.
>
> The problem is finding a source that will sell small quantities. Typical minimum orders are $250 to $300 for suppliers I have contacted.
>
> 73, Rick
> VE7TK
>
>
> --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, Barry N1EU <barry.n1eu@> wrote:
> >
> > On Tue, Oct 27, 2009 at 1:30 PM, WB2RHM - Ben Antanaitis
> > <WB2RHM@> wrote:
> >
> > > Here is a link to a .pdf file with the specifications of the

> > > LTW33-455 series of filters, giving bandwidths and two choices of
> > > impedance. http://www.hy- <http://www.hy-q.com.au/pdf/10120009.pdf>
q.com.au/pdf/10120009.pdf
> >
> > Actually, I believe the correct spec sheet is:
> >
> > http://www.euroquar
<http://www.euroquartz.co.uk/Portals/0/ceramic-ltw33-450.pdf>
tz.co.uk/Portals/0/ceramic-ltw33-450.pdf
> >
> > 73,
> > Barry N1EU
> >
>

[Non-text portions of this message have been removed]

5689. Re: [orion565] Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-10-31 15:58:54 UTC
From: Barry N1EU
Topic: 5503 Message: 5689

Ben, could I possibly purchase one of the LT450HTW filters from you?

Thanks & 73,
Barry N1EU

On Thu, Oct 29, 2009 at 2:20 PM, wb2rhm <WB2RHM@...> wrote:

>
>
> I have arranged to order 10 sets of (LT450GW + LT450HTW) filters. I will be
> using 2 of the sets. It will take a couple of weeks until they arrive from
> TW.
>
> Ben - WB2RHM
>
>
> --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, "ve7tk"
> <ve7tk@...> wrote:
> >
> > Well I'd be interested in trying the LTW33-450HT. This is a +/-3 kHz (6
> kHz bandwidth) filter versus the stock filter with +/-7.5 kHz (15 kHz
> bandwidth). I think the HT would be a good compromise for all but FM.
> >
> > The problem is finding a source that will sell small quantities. Typical
> minimum orders are $250 to $300 for suppliers I have contacted.
> >
> > 73, Rick
> > VE7TK
> >
> >
> > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, Barry N1EU
> <barry.n1eu@> wrote:
> > >
> > > On Tue, Oct 27, 2009 at 1:30 PM, WB2RHM - Ben Antanaitis
> > > <WB2RHM@> wrote:
> > >
> > > > Here is a link to a .pdf file with the specifications of the
> > > > LTW33-455 series of filters, giving bandwidths and two choices of
> > > > impedance. http://www.hy-q.com.au/pdf/10120009.pdf
> > >
> > > Actually, I believe the correct spec sheet is:
> > >
> > > http://www.euroquartz.co.uk/Portals/0/ceramic-ltw33-450.pdf
> > >
> > > 73,
> > > Barry N1EU

> > >
> >
>
>
>

[Non-text portions of this message have been removed]

5690. Strange audio artifact

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-02 22:24:15 UTC
From: Larry Menzel
Topic: 5690 Message: 5690

Hi, All,

I'm writing on behalf of another O II user who's not on the reflector. He's got a late model Orion II with a TT microphone.

As he speaks, at the end of every break in audio out, there is a noticeable 'pop' or click. He's holding down the ppt bar while speaking. It's almost like what you'd expect if he were releasing the ppt switch after every word or group of words which he is not.

I helped him get the radio sounding good, but I recall this artifact at the time. I don't know what version of software he's running, but I'll recommend that he upgrade to the current version.

I checked all the usual settings, and all seem to be fine. He sounds excellent on the air, but there's this pop after words and thoughts within the transmission.

Hope this isn't too confusing the way I've stated it, but can any suggest something here?

Larry, W0PR

[Non-text portions of this message have been removed]

5691. Re: [orion565] Strange audio artifact

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-02 23:13:33 UTC
From: Fotis SV8ING
Topic: 5690 Message: 5691

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Maybe RFI?Did your friend tried a dummy load? 73 Fotis SV8ING GREECE ... Áðü: Larry Menzel ÈÝìá: [orion565] Strange audio artifact

5692. Re: [orion565] Strange audio artifact

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-02 23:29:22 UTC
From: Dick
Topic: 5690 Message: 5692

I had the same problem , Ten Tec diagnosed it as an oscillation in the mic amp circuit. Fortunately I was under warranty and they fixed. It is a known problem with the Orion2.

--- On Mon, 11/2/09, Larry Menzel <retire@means.net> wrote:

From: Larry Menzel <retire@...>
Subject: [orion565] Strange audio artifact
To: orion565@yahoogroups.com
Date: Monday, November 2, 2009, 5:24 PM

Hi, All,

I'm writing on behalf of another O II user who's not on the reflector. He's

got a late model Orion II with a TT microphone.

As he speaks, at the end of every break in audio out, there is a noticeable

'pop' or click. He's holding down the ppt bar while speaking. It's almost

like what you'd expect if he were releasing the ppt switch after every word

or group of words which he is not.

I helped him get the radio sounding good, but I recall this artifact at the

time. I don't know what version of software he's running, but I'll

recommend that he upgrade to the current version.

I checked all the usual settings, and all seem to be fine. He sounds

excellent on the air, but there's this pop after words and thoughts within

the transmission.

Hope this isn't too confusing the way I've stated it, but can any suggest

something here?

Larry, W0PR

[Non-text portions of this message have been removed]

_____
Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

[Non-text portions of this message have been removed]

5693. Fldigi with Windows

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-06 23:35:26 UTC
From: ve7tk
Topic: 5693 Message: 5693

I decided to try the digital mode program Fldigi. Available at:

http://www.w1hkj.com/Fldigi.html

However, I've been unable to get my Orion 565 to talk to it? The setup has a configuration file for the Orion but so far no joy. The sound card is fine and the port/baud rate selected are correct. I've tried the program with my Argonaut V and it will at least connect.

Has anyone out there got their Orion working with Fldigi? Any insight would be appreciated.

Thanks.

73,
Rick
VE7TK

5694. Re: Fldigi with Windows

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-10 20:03:00 UTC
From: pa1ap
Topic: 5693 Message: 5694

Greetings,

I am running Fldigi including orion control and it works just fine. Frequency is copied into the program, confirming serial communication is working.

Could you share more background on your operating environment? such as operating system, sound card connection, rig control connection etc...

I am running Ubuntu 9.10 and fldigi 3.11.4. all connect through signalink USB controller / sound card. Serial port is connected directly to computer serial port, but besides the frequency it is not used for other purposes.

Thanks and best regards,
Onno

--- In orion565@yahoogroups.com, "ve7tk" <ve7tk@...> wrote:
>
> I decided to try the digital mode program Fldigi. Available at:
>
> http://www.w1hkj.com/Fldigi.html
>
> However, I've been unable to get my Orion 565 to talk to it? The setup has a configuration file for the Orion but so far no joy. The sound card is fine and the port/baud rate selected are correct. I've tried the program with my Argonaut V and it will at least connect.
>
> Has anyone out there got their Orion working with Fldigi? Any insight would be appreciated.
>
> Thanks.
>
> 73,
> Rick
> VE7TK
>

5695. Re: [orion565] Re: Fldigi with Windows

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-10 21:38:57 UTC
From: Martin Ewing
Topic: 5693 Message: 5695

What Hamlib version are you using? There are known problems for the Orion in Hamlib before the last (very recent) release v 1.2.10. The Ubuntu repository version will be older. Please go to hamlib.org and get the latest version.

I have no troubles with fldigi on the Orion using the latest Hamlib.

73 Martin AA6E
(Orion Hamlib maintainer)

On Tue, Nov 10, 2009 at 3:03 PM, pa1ap <pa1ap@...> wrote:
> Greetings,
>
> I am running Fldigi including orion control and it works just fine. Frequency is copied into the program, confirming serial communication is working.
>
> Could you share more background on your operating environment? such as operating system, sound card connection, rig control connection etc...
>
> I am running Ubuntu 9.10 and fldigi 3.11.4. all connect through signalink USB controller / sound card. Serial port is connected directly to computer serial port, but besides the frequency it is not used for other purposes.
>
> Thanks and best regards,
> Onno
>
> --- In orion565@yahoogroups.com, "ve7tk" <ve7tk@...> wrote:
>>
>> I decided to try the digital mode program Fldigi. Available at:
>>
>>   http://www.w1hkj.com/Fldigi.html
>>
>> However, I've been unable to get my Orion 565 to talk to it? The setup has a configuration file for the Orion but so far no joy. The sound card is fine and the port/baud rate selected are correct. I've tried the program with my Argonaut V and it will at least connect.
>>
>> Has anyone out there got their Orion working with Fldigi? Any insight would be appreciated.
>>
>> Thanks.
>>
>> 73,
>> Rick
>> VE7TK
>>

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>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
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>

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Dr. Martin S. Ewing, AA6E
Member IEEE, URSI, AAS, ARRL
Branford, Connecticut

5696. FS: Orion 565 AT

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-11 00:49:59 UTC
From: kd5mjj2003
Topic: 4496 Message: 5696

Ten Tec Orion, Model 565AT (with built in antenna tuner) for sale.
This rig works perfectly and looks perfect . Ten Tec service department checked out the rig in 2007 and installed version 2 modifications and firmware 2.060b. It works flawlessly. I have used it on CW only at 50 watts and it has had VERY light use. It comes from a non-smoker environment and has always been covered when not in use.

The rig includes the 500 Hz and 250 Hz roofing filters plus the matching Ten Tec 708 desk microphone (never used). It comes with power cord, manual and original shipping box. I am selling it to fund some new more expensive toys.
The Price is $2100.00 including shipping CONUS..
Thanks, Hank, K5ICW
kd5mjj2003@...
Tel 936-203-4125

5697. Re: DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-11 14:39:37 UTC
From: wa1mxt
Topic: 5656 Message: 5697

I thought I was the only one with a problem with the 2 pin power connector...I replaced it once 6 months ago and then had a problem with it a month ago...Ten Tec shipped the male and female connectors to me and I installed them...Now it looks like I am starting to have that problem again...(Every so often the rig just shuts down on key down)

Fred WA1MXT

--- In orion565@yahoogroups.com, "Ed Pflueger" <ab4iq@...> wrote:
>
> Marc, did anyone give you a hand yet?
>
>
>
> Ed.. AB4IQ
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of wc1x@...
> Sent: Wednesday, October 21, 2009 4:48 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] DC Power Connector p/n
>
>
>
>
>
> Does anyone know the part number for the 2 pin molex DC power connector?
> Perhaps a Mouser part number?
>
> I would order one from Ten Tec but they will not ship via USPS (I have a
> overseas military APO address and can only recieve mail via USPS).
>
> I will be off the air until I get this elusive connector... :-/
>
> (I now have a $4000 radio that is non operational due to a 99 cent piece of
> unobtanium...)
>
> Thanks,
>
> Marc, WC1X, 4Z8BB
>
>
>
>

>
> [Non-text portions of this message have been removed]
>

5698. Re: [orion565] Re: DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-11 15:42:18 UTC
From: jd_hudson@comcast.net
Topic: 5656 Message: 5698

No Fred you are not the only one!! I had the same issue, key down and the rig would shut down. After someone suggested to look at the DC connector I found the pins where separating inside the connector and arching. After calling TT and hearing "they NEVER had this problem before"

What I did was take the connector off the board then "hard wire" a power supply line to the power supply board

No more problems with a 50 cent part on a $3K radio

Good luck

73
John
KO4XJ
www.w4nja.org/ko4xj.htm
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: "wa1mxt" <WA1MXT@...>
Date: Wed, 11 Nov 2009 14:39:37
To: <orion565@yahoogroups.com>
Subject: [orion565] Re: DC Power Connector p/n

I thought I was the only one with a problem with the 2 pin power connector...I replaced it once 6 months ago and then had a problem with it a month ago...Ten Tec shipped the male and female connectors to me and I installed them...Now it looks like I am starting to have that problem again...(Every so often the rig just shuts down on key down)

Fred WA1MXT

--- In orion565@yahoogroups.com, "Ed Pflueger" <ab4iq@...> wrote:
>
> Marc, did anyone give you a hand yet?
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> Ed.. AB4IQ
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> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of wc1x@...
> Sent: Wednesday, October 21, 2009 4:48 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] DC Power Connector p/n
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>
>
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>
> Does anyone know the part number for the 2 pin molex DC power connector?
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> I would order one from Ten Tec but they will not ship via USPS (I have a
> overseas military APO address and can only recieve mail via USPS).
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> I will be off the air until I get this elusive connector... :-/
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> (I now have a $4000 radio that is non operational due to a 99 cent piece of
> unobtanium...)
>
> Thanks,
>
> Marc, WC1X, 4Z8BB
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

5699. Re: [orion565] Re: DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-11 15:46:09 UTC
From: John Huffman
Topic: 5656 Message: 5699

Fred -

I went through the same issue and power connector replacement. But, for me it turned out to be the fuse holder. One tab was not soldered and was intermittent under stress.

Got new part from Ten Tec. Replacement does not require more than taking off the bottom to get at the spot if you are careful about snaking the old part out and the new one in.

73 de K1ESE
John

wa1mxt wrote:
>
> I thought I was the only one with a problem with the 2 pin power
> connector...I replaced it once 6 months ago and then had a problem
> with it a month ago...Ten Tec shipped the male and female connectors
> to me and I installed them...Now it looks like I am starting to have
> that problem again...(Every so often the rig just shuts down on key down)
>
> Fred WA1MXT
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>,
> "Ed Pflueger" <ab4iq@...> wrote:
> >
> > Marc, did anyone give you a hand yet?
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> > Ed.. AB4IQ
> >
> >
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>]
> On Behalf
> > Of wc1x@...
> > Sent: Wednesday, October 21, 2009 4:48 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > Subject: [orion565] DC Power Connector p/n
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> >
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> > Does anyone know the part number for the 2 pin molex DC power connector?
> > Perhaps a Mouser part number?
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> > I would order one from Ten Tec but they will not ship via USPS (I have a
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> >
> > (I now have a $4000 radio that is non operational due to a 99 cent
> piece of
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> > Thanks,
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> > Marc, WC1X, 4Z8BB
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>

5700. Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-11 17:55:02 UTC
From: wb2rhm
Topic: 5503 Message: 5700

All,

The filter sets have arrived.

I have sent out paypal email notices to all the folks who emailed me about purchasing 'extra' sets I have. (The notice comes from BCA Software, the name of my paypal business acct. Check your 'spam' boxes, if you were looking for an email from WB2RHM.)

It looks like there will be 3 or 4 sets left. If you are interested in getting a set, I will send you a set (1-LT450GW and 1-LT450HTW) for $15.00/set + $5.00 for shipping, paypal works for me. Send me an email.

73,
Ben - WB2RHM

--- In orion565@yahoogroups.com, "wb2rhm" <WB2RHM@...> wrote:
>
> I have arranged to order 10 sets of (LT450GW + LT450HTW) filters. I will be using 2 of the sets. It will take a couple of weeks until they arrive from TW.
>
> Ben - WB2RHM
>
>
> --- In orion565@yahoogroups.com, "ve7tk" <ve7tk@> wrote:
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> > Well I'd be interested in trying the LTW33-450HT. This is a +/-3 kHz (6 kHz bandwidth) filter versus the stock filter with +/-7.5 kHz (15 kHz bandwidth). I think the HT would be a good compromise for all but FM.
> >
> > The problem is finding a source that will sell small quantities. Typical minimum orders are $250 to $300 for suppliers I have contacted.
> >
> > 73, Rick
> > VE7TK
> >
> >
> > --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> > >
> > > On Tue, Oct 27, 2009 at 1:30 PM, WB2RHM - Ben Antanaitis
> > > <WB2RHM@> wrote:
> > >
> > > > Here is a link to a .pdf file with the specifications of the
> > > > LTW33-455 series of filters, giving bandwidths and two choices of
> > > > impedance. http://www.hy-q.com.au/pdf/10120009.pdf
> > >
> > > Actually, I believe the correct spec sheet is:

> > >
> > > http://www.euroquartz.co.uk/Portals/0/ceramic-ltw33-450.pdf
> > >
> > > 73,
> > > Barry N1EU
> > >
> >
>

5701. Re: [orion565] Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-11 18:04:24 UTC
From: Yuri VE3XB
Topic: 5503 Message: 5701

Ben,

I'd like to get one set. Please send me your e-mail address. Mine is ve3xb at rac dot ca
Thanks in advance,

Yuri VE3XB

----- Original Message -----
From: wb2rhm
To: orion565@yahoogroups.com
Sent: Wednesday, November 11, 2009 12:55 PM
Subject: [orion565] Re: experience with #902 inrad filter for sub receiver?

All,

The filter sets have arrived.

I have sent out paypal email notices to all the folks who emailed me about purchasing 'extra' sets I have. (The notice comes from BCA Software, the name of my paypal business acct. Check your 'spam' boxes, if you were looking for an email from WB2RHM.)

It looks like there will be 3 or 4 sets left. If you are interested in getting a set, I will send you a set (1-LT450GW and 1-LT450HTW) for $15.00/set + $5.00 for shipping, paypal works for me. Send me an email.

73,

[Non-text portions of this message have been removed]

5702. Re: DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-11 18:56:03 UTC
From: wa1mxt
Topic: 5656 Message: 5702

If it keeps happening, I will call TT and talk to them again To see if it would be better to solder the DC powerlines in direct...I want to talk to the tech anyway... Being from the old school (the last new rig I had was an OMNI C) I need more info on the Prorammable AGC and also on the PBT/BW setting. I must say though that the Orion II is one great rig.

Fred

--- In orion565@yahoogroups.com, jd_hudson@... wrote:
>
> No Fred you are not the only one!! I had the same issue, key down and the rig would shut down. After someone suggested to look at the DC connector I found the pins where separating inside the connector and arching. After calling TT and hearing "they NEVER had this problem before"
>
> What I did was take the connector off the board then "hard wire" a power supply line to the power supply board
>
> No more problems with a 50 cent part on a $3K radio
>
> Good luck
>
> 73
> John
> KO4XJ
> www.w4nja.org/ko4xj.htm
> Sent from my Verizon Wireless BlackBerry
>
> -----Original Message-----
> From: "wa1mxt" <WA1MXT@...>
> Date: Wed, 11 Nov 2009 14:39:37
> To: <orion565@yahoogroups.com>
> Subject: [orion565] Re: DC Power Connector p/n
>
> I thought I was the only one with a problem with the 2 pin power connector...I replaced it once 6 months ago and then had a problem with it a month ago...Ten Tec shipped the male and female connectors to me and I installed them...Now it looks like I am starting to have that problem again...(Every so often the rig just shuts down on key down)
>
> Fred WA1MXT
>
> --- In orion565@yahoogroups.com, "Ed Pflueger" <ab4iq@> wrote:
> >
> > Marc, did anyone give you a hand yet?
> >
> >

> >
> > Ed.. AB4IQ
> >
> >
> >
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > Of wc1x@
> > Sent: Wednesday, October 21, 2009 4:48 PM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] DC Power Connector p/n
> >
> >
> >
> >
> >
> > Does anyone know the part number for the 2 pin molex DC power connector?
> > Perhaps a Mouser part number?
> >
> > I would order one from Ten Tec but they will not ship via USPS (I have a
> > overseas military APO address and can only recieve mail via USPS).
> >
> > I will be off the air until I get this elusive connector... :-/
> >
> > (I now have a $4000 radio that is non operational due to a 99 cent piece of
> > unobtanium...)
> >
> > Thanks,
> >
> > Marc, WC1X, 4Z8BB
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

5703. Re: [orion565] Re: DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-11 19:22:57 UTC
From: jd_hudson@comcast.net
Topic: 5656 Message: 5703

As much as I love my O1 and appreciate the TT tech support, you'll probably hear " we don't know, we've never known a connector to go bad".....

73
John
KO4XJ
www.w4nja.org/ko4xj.htm

Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: "wa1mxt" <WA1MXT@...>
Date: Wed, 11 Nov 2009 18:56:03
To: <orion565@yahoogroups.com>
Subject: [orion565] Re: DC Power Connector p/n

If it keeps happening, I will call TT and talk to them again To see if it would be better to solder the DC powerlines in direct...I want to talk to the tech anyway... Being from the old school (the last new rig I had was an OMNI C) I need more info on the Prorammable AGC and also on the PBT/BW setting. I must say though that the Orion II is one great rig.

Fred

--- In orion565@yahoogroups.com, jd_hudson@... wrote:
>
> No Fred you are not the only one!! I had the same issue, key down and the rig would shut down. After someone suggested to look at the DC connector I found the pins where separating inside the connector and arching. After calling TT and hearing "they NEVER had this problem before"
>
> What I did was take the connector off the board then "hard wire" a power supply line to the power supply board
>
> No more problems with a 50 cent part on a $3K radio
>
> Good luck
>
> 73
> John
> KO4XJ
> www.w4nja.org/ko4xj.htm
> Sent from my Verizon Wireless BlackBerry
>
> -----Original Message-----
> From: "wa1mxt" <WA1MXT@...>
> Date: Wed, 11 Nov 2009 14:39:37

> To: <orion565@yahoogroups.com>
> Subject: [orion565] Re: DC Power Connector p/n
>
> I thought I was the only one with a problem with the 2 pin power connector...I replaced it once 6 months ago and then had a problem with it a month ago...Ten Tec shipped the male and female connectors to me and I installed them...Now it looks like I am starting to have that problem again...(Every so often the rig just shuts down on key down)
>
> Fred WA1MXT
>
> --- In orion565@yahoogroups.com, "Ed Pflueger" <ab4iq@> wrote:
> >
> > Marc, did anyone give you a hand yet?
> >
> >
> >
> > Ed.. AB4IQ
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> >
> >
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > Of wc1x@
> > Sent: Wednesday, October 21, 2009 4:48 PM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] DC Power Connector p/n
> >
> >
> >
> >
> >
> > Does anyone know the part number for the 2 pin molex DC power connector?
> > Perhaps a Mouser part number?
> >
> > I would order one from Ten Tec but they will not ship via USPS (I have a
> > overseas military APO address and can only recieve mail via USPS).
> >
> > I will be off the air until I get this elusive connector... :-/
> >
> > (I now have a $4000 radio that is non operational due to a 99 cent piece of
> > unobtanium...)
> >
> > Thanks,
> >
> > Marc, WC1X, 4Z8BB
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]

> >
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>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

5704. Inrad 357 2.8 Khz roofing filter

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-11 21:22:30 UTC
From: jcox41144
Topic: 5704 Message: 5704

I have an Inrad #357 2.8 khz roofing filter for the Orion series.
Works perfectly. Price is $50 shipped Priority mail stateside.
Jim K4JAF k4jaf@arrl.net

5705. RE: [orion565] Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-11 21:58:06 UTC
From: Wes Attaway (N5WA)
Topic: 5503 Message: 5705

OK Barry, I would like to purchase a set.

Can I send you a check?

------------------ Wes Attaway (N5WA) ------------------

1138 Waters Edge Circle - Shreveport, LA 71106

318-797-4972 (office) - 318-393-3289 (cell)

Computer Consulting and Forensics

-------------- EnCase Certified Examiner ---------------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of wb2rhm
Sent: Wednesday, November 11, 2009 11:55 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: experience with #902 inrad filter for sub receiver?

All,

The filter sets have arrived.

I have sent out paypal email notices to all the folks who emailed me about purchasing 'extra' sets I have. (The notice comes from BCA Software, the name of my paypal business acct. Check your 'spam' boxes, if you were looking for an email from WB2RHM.)

It looks like there will be 3 or 4 sets left. If you are interested in getting a set, I will send you a set (1-LT450GW and 1-LT450HTW) for $15.00/set + $5.00 for shipping, paypal works for me. Send me an email.

73,
Ben - WB2RHM

--- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, "wb2rhm" <WB2RHM@...> wrote:
>
> I have arranged to order 10 sets of (LT450GW + LT450HTW) filters. I will be using 2 of the sets. It will take a couple of weeks until they arrive from TW.
>
> Ben - WB2RHM
>
>

> --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com,
"ve7tk" <ve7tk@> wrote:
> >
> > Well I'd be interested in trying the LTW33-450HT. This is a +/-3 kHz (6
kHz bandwidth) filter versus the stock filter with +/-7.5 kHz (15 kHz
bandwidth). I think the HT would be a good compromise for all but FM.
> >
> > The problem is finding a source that will sell small quantities. Typical
minimum orders are $250 to $300 for suppliers I have contacted.
> >
> > 73, Rick
> > VE7TK
> >
> >
> > --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com,
Barry N1EU <barry.n1eu@> wrote:
> > >
> > > On Tue, Oct 27, 2009 at 1:30 PM, WB2RHM - Ben Antanaitis
> > > <WB2RHM@> wrote:
> > >
> > > > Here is a link to a .pdf file with the specifications of the
> > > > LTW33-455 series of filters, giving bandwidths and two choices of
> > > > impedance. http://www.hy- <http://www.hy-q.com.au/pdf/10120009.pdf>
q.com.au/pdf/10120009.pdf
> > >
> > > Actually, I believe the correct spec sheet is:
> > >
> > > http://www.euroquar
<http://www.euroquartz.co.uk/Portals/0/ceramic-ltw33-450.pdf>
tz.co.uk/Portals/0/ceramic-ltw33-450.pdf
> > >
> > > 73,
> > > Barry N1EU
> > >
> >
>

[Non-text portions of this message have been removed]

5706. RE: [orion565] Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-11 21:59:07 UTC
From: Wes Attaway (N5WA)
Topic: 5503 Message: 5706

Ooops, cancel that e-mail!

------------------ Wes Attaway (N5WA) ------------------

1138 Waters Edge Circle - Shreveport, LA 71106

318-797-4972 (office) - 318-393-3289 (cell)

Computer Consulting and Forensics

-------------- EnCase Certified Examiner ---------------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of wb2rhm
Sent: Wednesday, November 11, 2009 11:55 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: experience with #902 inrad filter for sub receiver?

All,

The filter sets have arrived.

I have sent out paypal email notices to all the folks who emailed me about purchasing 'extra' sets I have. (The notice comes from BCA Software, the name of my paypal business acct. Check your 'spam' boxes, if you were looking for an email from WB2RHM.)

It looks like there will be 3 or 4 sets left. If you are interested in getting a set, I will send you a set (1-LT450GW and 1-LT450HTW) for $15.00/set + $5.00 for shipping, paypal works for me. Send me an email.

73,
Ben - WB2RHM

--- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, "wb2rhm" <WB2RHM@...> wrote:
>
> I have arranged to order 10 sets of (LT450GW + LT450HTW) filters. I will be using 2 of the sets. It will take a couple of weeks until they arrive from TW.
>
> Ben - WB2RHM
>
>
> --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, "ve7tk" <ve7tk@> wrote:

> >
> > Well I'd be interested in trying the LTW33-450HT. This is a +/-3 kHz (6 kHz bandwidth) filter versus the stock filter with +/-7.5 kHz (15 kHz bandwidth). I think the HT would be a good compromise for all but FM.
> >
> > The problem is finding a source that will sell small quantities. Typical minimum orders are $250 to $300 for suppliers I have contacted.
> >
> > 73, Rick
> > VE7TK
> >
> >
> > --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, Barry N1EU <barry.n1eu@> wrote:
> > >
> > > On Tue, Oct 27, 2009 at 1:30 PM, WB2RHM - Ben Antanaitis
> > > <WB2RHM@> wrote:
> > >
> > > > Here is a link to a .pdf file with the specifications of the
> > > > LTW33-455 series of filters, giving bandwidths and two choices of
> > > > impedance. http://www.hy- <http://www.hy-q.com.au/pdf/10120009.pdf> q.com.au/pdf/10120009.pdf
> > >
> > > Actually, I believe the correct spec sheet is:
> > >
> > > http://www.euroquar <http://www.euroquartz.co.uk/Portals/0/ceramic-ltw33-450.pdf> tz.co.uk/Portals/0/ceramic-ltw33-450.pdf
> > >
> > > 73,
> > > Barry N1EU
> > >
> >
> >

[Non-text portions of this message have been removed]

5707. Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-11 22:35:54 UTC
From: wb2rhm
Topic: 5503 Message: 5707

OK..........

Look for a reply in your email.

73, still a set or two left... First Come First Served now.......

Ben - WB2RHM

--- In orion565@yahoogroups.com, "Wes Attaway \(N5WA\)" <wesattaway@...> wrote:
>
> Ooops, cancel that e-mail!
>
>
>
> ------------------ Wes Attaway (N5WA) ------------------
>
> 1138 Waters Edge Circle - Shreveport, LA 71106
>
> 318-797-4972 (office) - 318-393-3289 (cell)
>
> Computer Consulting and Forensics
>
> -------------- EnCase Certified Examiner ---------------
>
>
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of wb2rhm
> Sent: Wednesday, November 11, 2009 11:55 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: experience with #902 inrad filter for sub receiver?
>
>
>
>
>
>
>
>
> All,
>
> The filter sets have arrived.
>
> I have sent out paypal email notices to all the folks who emailed me about
> purchasing 'extra' sets I have. (The notice comes from BCA Software, the

> name of my paypal business acct. Check your 'spam' boxes, if you were
> looking for an email from WB2RHM.)
>
> It looks like there will be 3 or 4 sets left. If you are interested in
> getting a set, I will send you a set (1-LT450GW and 1-LT450HTW) for
> $15.00/set + $5.00 for shipping, paypal works for me. Send me an email.
>
> 73,
> Ben - WB2RHM
>
> --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com,
> "wb2rhm" <WB2RHM@> wrote:
> >
> > I have arranged to order 10 sets of (LT450GW + LT450HTW) filters. I will
> be using 2 of the sets. It will take a couple of weeks until they arrive
> from TW.
> >
> > Ben - WB2RHM
> >
> >
> > --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com,
> "ve7tk" <ve7tk@> wrote:
> > >
> > > Well I'd be interested in trying the LTW33-450HT. This is a +/-3 kHz (6
> kHz bandwidth) filter versus the stock filter with +/-7.5 kHz (15 kHz
> bandwidth). I think the HT would be a good compromise for all but FM.
> > >
> > > The problem is finding a source that will sell small quantities. Typical
> minimum orders are $250 to $300 for suppliers I have contacted.
> > >
> > > 73, Rick
> > > VE7TK
> > >
> > >
> > > --- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com,
> Barry N1EU <barry.n1eu@> wrote:
> > > >
> > > > On Tue, Oct 27, 2009 at 1:30 PM, WB2RHM - Ben Antanaitis
> > > > <WB2RHM@> wrote:
> > > >
> > > > > Here is a link to a .pdf file with the specifications of the
> > > > > LTW33-455 series of filters, giving bandwidths and two choices of
> > > > > impedance. http://www.hy- <http://www.hy-q.com.au/pdf/10120009.pdf>
> q.com.au/pdf/10120009.pdf
> > > >
> > > > Actually, I believe the correct spec sheet is:
> > > >
> > > > http://www.euroquar
> <http://www.euroquartz.co.uk/Portals/0/ceramic-ltw33-450.pdf>
> tz.co.uk/Portals/0/ceramic-ltw33-450.pdf

> > > >
> > > > 73,
> > > > Barry N1EU
> > > >
> > >
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

5708. Re: DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-13 14:05:16 UTC
From: ad4hk2004
Topic: 5656 Message: 5708

No, they will not say they have never heard of it...
My DC connector was bad right out of the box on a brand new radio... One phone call solved it and no problems for years now...
The tech will tell you to slightly crimp the female pins to grip better and to gently bend the male pins outboard so that there is a bit of wedging when plugged together...

denny-o / k8do

-

5709. Re: [orion565] Re: DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-13 14:30:50 UTC
From: Martin Ewing
Topic: 5656 Message: 5709

Interesting. The way I hear that, the tech is admitting that the
power connector is substandard for this application. Having to tweak
the pins "just so" does not inspire confidence!

There are a million possible power connectors out there, and the
designers went with ultra-cheap.

73 Martin AA6E

On Fri, Nov 13, 2009 at 9:05 AM, ad4hk2004 <ad4hk2004@...> wrote:
> No, they will not say they have never heard of it...
> My DC connector was bad right out of the box on a brand new radio... One phone call solved it and no problems for years now...
> The tech will tell you to slightly crimp the female pins to grip better and to gently bend the male pins outboard so that there is a bit of wedging when plugged together...
>
> denny-o / k8do
>
>
> -
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> ------------------------------------
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>
> Yahoo! Groups Links
>
>
>
>

--
Dr. Martin S. Ewing, AA6E
Member IEEE, URSI, AAS, ARRL
Branford, Connecticut

5710. Re: [orion565] Re: DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-13 14:58:26 UTC
From: jd_hudson@comcast.net
Topic: 5656 Message: 5710

Sorry to bust anyones bubble but TT DID tell me they NEVER heard of that problem and they told others the same

From another email yesterday.....

"You were right about TT support...They never heard of anyone having a problem with the molex DC connection on the Orion... I had to tell them they must of heard something as I have had the problem before and several on the users on this group have had that same problem. He was surprised at my comment.........."

They have a great rig, my choice, but just a shame to use a 25 cent part when my $135 2m rig has a much better HD connector

73
John
KO4XJ
www.w4nja.org/ko4xj.htm
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: "ad4hk2004" <ad4hk2004@...>
Date: Fri, 13 Nov 2009 14:05:16
To: <orion565@yahoogroups.com>
Subject: [orion565] Re: DC Power Connector p/n

No, they will not say they have never heard of it...
My DC connector was bad right out of the box on a brand new radio... One phone call solved it and no problems for years now...
The tech will tell you to slightly crimp the female pins to grip better and to gently bend the male pins outboard so that there is a bit of wedging when plugged together...

denny-o / k8do

-

[Non-text portions of this message have been removed]

5711. Re: experience with #902 inrad filter for sub receiver?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-13 17:47:23 UTC
From: wb2rhm
Topic: 5503 Message: 5711

All,

The last set of extra filters I had has been ordered/purchased.

Thanks you to all who responded. Now, to see just how they tighten-up the sub-rx reception, before and after installing a #902 roofing filter.

73,

Ben - WB2RHM

--- In orion565@yahoogroups.com, "wb2rhm" <WB2RHM@...> wrote:
>
>
>
>
>
>
> All,
>
> The filter sets have arrived.
>
> I have sent out paypal email notices to all the folks who emailed me about purchasing 'extra' sets I have. (The notice comes from BCA Software, the name of my paypal business acct. Check your 'spam' boxes, if you were looking for an email from WB2RHM.)
>
> It looks like there will be 3 or 4 sets left. If you are interested in getting a set, I will send you a set (1-LT450GW and 1-LT450HTW) for $15.00/set + $5.00 for shipping, paypal works for me. Send me an email.
>
> 73,
> Ben - WB2RHM
>
> --- In orion565@yahoogroups.com, "wb2rhm" <WB2RHM@> wrote:
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> > I have arranged to order 10 sets of (LT450GW + LT450HTW) filters. I will be using 2 of the sets. It will take a couple of weeks until they arrive from TW.
> >
> > Ben - WB2RHM
> >
> >
> > --- In orion565@yahoogroups.com, "ve7tk" <ve7tk@> wrote:
> > >
> > > Well I'd be interested in trying the LTW33-450HT. This is a +/-3 kHz (6 kHz bandwidth) filter versus the stock filter with +/-7.5 kHz (15 kHz bandwidth). I think the HT would be a good compromise for all but FM.

> > >
> > > The problem is finding a source that will sell small quantities. Typical minimum orders are $250 to $300 for suppliers I have contacted.
> > >
> > > 73, Rick
> > > VE7TK
> > >
> > >
> > > --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> > > >
> > > > On Tue, Oct 27, 2009 at 1:30 PM, WB2RHM - Ben Antanaitis
> > > > <WB2RHM@> wrote:
> > > >
> > > > > Here is a link to a .pdf file with the specifications of the
> > > > > LTW33-455 series of filters, giving bandwidths and two choices of
> > > > > impedance. http://www.hy-q.com.au/pdf/10120009.pdf
> > > >
> > > > Actually, I believe the correct spec sheet is:
> > > >
> > > > http://www.euroquartz.co.uk/Portals/0/ceramic-ltw33-450.pdf
> > > >
> > > > 73,
> > > > Barry N1EU
> > > >
> > >
> > >
> >

5712. FS: Jupiter 538AT with accessories

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-14 13:52:02 UTC
From: John T. Fleming
Topic: 5658 Message: 5712

For sale: Ten-Tec Jupiter 538 AT with 302J Encoder Keypad and 705 microphone. Rig has been modified my Ten-Tec with the digital IF signal routed to the "spare" connector on the back for DRM reception. Rig has Jupiter MP538K chip kit for changing the display to copy and send CW as well as a PC keyboard (non-Ten-Tec).
73,
John, W3GQJ
john@... <mailto:john%40w3gqj.net>

[Non-text portions of this message have been removed]

5713. Re: [orion565] FS: Jupiter 538AT with accessories

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-14 22:47:15 UTC
From: Ed Menasian
Topic: 5658 Message: 5713

How much shipped

--- On Sat, 11/14/09, John T. Fleming <john@...> wrote:

From: John T. Fleming <john@...>
Subject: [orion565] FS: Jupiter 538AT with accessories
To: "'Discussion of Ten-Tec Equipment'" <tentec@contesting.com>, orion565@yahoogroups.com
Date: Saturday, November 14, 2009, 8:52 AM

For sale: Ten-Tec Jupiter 538 AT with 302J Encoder Keypad and 705

microphone. Rig has been modified my Ten-Tec with the digital IF signal

routed to the "spare" connector on the back for DRM reception. Rig has

Jupiter MP538K chip kit for changing the display to copy and send CW as well

as a PC keyboard (non-Ten-Tec) .

73,

John, W3GQJ

john@... <mailto:john% 40w3gqj.net>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5714. Re: DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-16 19:57:12 UTC
From: ad4hk2004
Topic: 5656 Message: 5714

Interesting how different folks have different experiences... All I can reiterate is the guy that put my radio together knew immediately what was going on when I called to complain that a brand new radio, right out of the box radio suddenly went dead after less than 60 seconds and the fuses were good.. Inspection of the Molex proved him correct, the pins were a sloppy fit...
It would appear that quality control at Molex is not up to snuff...
denny / k8do

5715. Re: DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-17 12:30:38 UTC
From: Pat G.
Topic: 5656 Message: 5715

I wish they (everyone including TenTec) would just switch everything to the Anderson Power Pole connectors. It's a very robust design with a long track record of reliable use.

It would also make things much simpler if you are trying to standardize your rigs for emergency use.

--

Pat Garrett
73 de wd4pg
www.wd4pg.com
http://golfernewbie.blogspot.com

"In God We Trust"

5716. Re: [orion565] Re: DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-17 18:26:37 UTC
From: N2FQ
Topic: 5656 Message: 5716

Hello.

I started looking into that area when I had

the covers off. I was doing the contrast (50% default) adjustment.

It looks like you can solder two pins into the existing wire holes and

then mount the power poles on these pins. I believe that the power

poles would stick out from the rear panel.

I saw this pin/power poles from this website. Scroll down some

and you'll see what I'm trying to say.

<http://www.angelfire.com/electronic2/qrp/dcbox.html>

Thanks for posting this sort of thing.

73 Fernando N2FQ

Pat G. wrote:
> I wish they (everyone including TenTec) would just switch everything to
> the Anderson Power Pole connectors. It's a very robust design with a
> long track record of reliable use.
>
> It would also make things much simpler if you are trying to standardize
> your rigs for emergency use.
>
>

5717. Omni VII for trade

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-21 20:40:21 UTC
From: k0ftc
Topic: 5717 Message: 5717

I've got a very nice Omni VII which I thoroughly enjoy, but have always been interested in getting into an Orion II. I've got a variety of accessories for the O7 and a couple of other radios that might fit someone's idea of a good trade. Of course I won't trade all of this for an Orion II, but the right combination might work for someone. So here goes, if you are interested in a discussion, please contact me off list.

Omni VII, 300 and 500 hz filters, desk mike, SignaLink USB interface
for digital, 610 USB keyer.

RX320D used with N4PY interface with the Omni (or stand alone) for dual RX.

IC-7000 w/Z11-Pro Tuner, mounted in a Tac-Comm carrier.

IC-703 mounted in a Tac-Comm carrier.

VX-150 HT

Yaesu FTM-10R mobile

73, John

5718. Re: DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-22 00:07:27 UTC
From: wb2rhm
Topic: 5656 Message: 5718

FYI-

While I love the performance of my Orion.....

The thing that disturbs me the most about the DC connector problem, (and before I looked into it, I had replaced the 'stock' parts 4 times), is that for years Ten Tec advertised "100% Key Down operation" when the optional fan unit was purchased and attached to the heat sink on the rear of the 565 and they supplied a DC power cable (and a replacement connector and pins).

Well, if you read the specs for the 565 you will see:

"The ORION transceiver requires a source of
well-filtered and regulated DC voltage. The
supply voltage can range from +12.8 to
+15.0 Vdc but +13.8 Vdc is the optimum
value. The voltage source must be capable
of supplying 22 amperes continuous duty.
We recommend using the included DC
power cable (P/N 86095). We have also
included spare connector pins (P/N 41020)
and a spare 2 pin power connector shell
(P/N 35165) for building your own cable.
The power supply plug will attach in only
one direction to the polarized two-pin DC
connector on ORION's rear panel. Use no
less than #14 gauge (#12 recommended)
stranded wires for three-foot long
connections to accommodate the required
current demand during transmit. Use
heavier gauge wire for longer power supply
leads."

BUT, if you read the Tyco/AMP Mate-and-Lock specs for the socket, plug, and pins..... (Tyco documents 108-1031 and 114-1010 and 108□1053). You will see 15 amps max current capacity for normal product use on the socket and the plug, and 20 amps at product absolute limit of 221 degrees temperature for the plug. Note that that 20 amps max is only 90% of the specified Power Supply minimum constant DC current requirement. No safety factor margin here.

Is this sloppy engineering, bad engineering, or unsafe engineering?

Now, for example, if you are a high duty cycle mode operator, and I am a RTTY contester and RTTY is almost 100% duty cycle under contest conditions.... the pins overheat and then the housing overheats and that leads to total connector failure over time.....

I have been told that the connector, pins, and socket are specified correctly..... I don't think so!

I have removed them all and run #14 wire directly from Power pole connectors to the PC board. Haven't had a problem since.

73,

Ben - WB2RHM

--- In orion565@yahoogroups.com, N2FQ <n2fq@...> wrote:
>
> Hello.
>
> I started looking into that area when I had
>
> the covers off. I was doing the contrast (50% default) adjustment.
>
>
> It looks like you can solder two pins into the existing wire holes and
>
> then mount the power poles on these pins. I believe that the power
>
> poles would stick out from the rear panel.
>
> I saw this pin/power poles from this website. Scroll down some
>
> and you'll see what I'm trying to say.
>
> <http://www.angelfire.com/electronic2/qrp/dcbox.html>
>
> Thanks for posting this sort of thing.
>
> 73 Fernando N2FQ
>
> Pat G. wrote:
> > I wish they (everyone including TenTec) would just switch everything to
> > the Anderson Power Pole connectors. It's a very robust design with a
> > long track record of reliable use.
> >
> > It would also make things much simpler if you are trying to standardize
> > your rigs for emergency use.
> >
> >
>

5719. Re: DC Power Connector p/n

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-22 12:29:26 UTC
From: wc1x@arrl.net
Topic: 5656 Message: 5719

David,

I received the DC power connector last week. Thanks so much!

Also thanks go to Ten Tec as they saw my post here and they stepped up to the plate and sent me a DC Power Connector!

Thanks again,

Marc, WC1X

--- In orion565@yahoogroups.com, "blownfuse1" <blownfuse1@...> wrote:
>
> I have a spare plug.
>
> Please let me know if you want it and I will make arrangements to get it to you ASAP.
>
> David Seckt
> Wd8oss
> ----- Original Message -----
> From: Ed Pflueger
> To: orion565@yahoogroups.com
> Sent: Friday, October 23, 2009 6:56 PM
> Subject: RE: [orion565] DC Power Connector p/n
>
>
> Marc, did anyone give you a hand yet?
>
> Ed.. AB4IQ
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of wc1x@...
> Sent: Wednesday, October 21, 2009 4:48 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] DC Power Connector p/n
>
> Does anyone know the part number for the 2 pin molex DC power connector?
> Perhaps a Mouser part number?
>
> I would order one from Ten Tec but they will not ship via USPS (I have a
> overseas military APO address and can only recieve mail via USPS).
>
> I will be off the air until I get this elusive connector... :-/
>
> (I now have a $4000 radio that is non operational due to a 99 cent piece of
> unobtanium...)

>
> Thanks,
>
> Marc, WC1X, 4Z8BB
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

5720. Re: Omni VII for trade

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-22 21:33:09 UTC
From: roger5by9
Topic: 5717 Message: 5720

Would you be interested in a very nice Orion 1 full of filters and all the updates?
73,
Pete, WM4U
Please reply at roger5by9@...

--- In orion565@yahoogroups.com, "k0ftc" <k0ftc@...> wrote:
>
> I've got a very nice Omni VII which I thoroughly enjoy, but have always been interested in getting into an Orion II. I've got a variety of accessories for the O7 and a couple of other radios that might fit someone's idea of a good trade. Of course I won't trade all of this for an Orion II, but the right combination might work for someone. So here goes, if you are interested in a discussion, please contact me off list.
>
> Omni VII, 300 and 500 hz filters, desk mike, SignaLink USB interface
> for digital, 610 USB keyer.
>
> RX320D used with N4PY interface with the Omni (or stand alone) for dual RX.
>
> IC-7000 w/Z11-Pro Tuner, mounted in a Tac-Comm carrier.
>
> IC-703 mounted in a Tac-Comm carrier.
>
> VX-150 HT
>
> Yaesu FTM-10R mobile
>
> 73, John
>

5721. TenTec Power Supplies FS

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-22 22:39:54 UTC
From: Ken Simpson, W8EK
Topic: 5721 Message: 5721

TenTec Power supplies for sale:

TenTec Model 280 power supply, 20 amps at 13 V DC.

This supply is quite heavy duty electrically.
It has 2 pass transistors, instead of the one that
some have. It also has an ammeter on it.

This one works fine, and looks OK as well.
A previous owner removed the molded in TenTec power
cable on the back and added very heavy binding posts,
so that it can be used with many different rigs and
not just TenTec. It also has a couple RCA jacks for
lower power use.

With paper work for $100.

"Switcher / 25" 25 amp switching power supply
This is a 25 amp switching power supply in a case that
matches the early Omni series case, with the metal bezel
around it. It is in a case that is the same size as a 243
remote VFO. It has an ammeter on the front, along with
Switch, TenTec logo, and output bulb. The front panel
basically looks like a 280 power supply with a metal bezel,
but says "Switcher/25" on it. It is very quiet, and well
shielded, and does not produce any electrical noise that
I could find. $150

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

5722. 2.041XT Beta Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-24 00:10:53 UTC
From: kzerofl
Topic: 5722 Message: 5722

What's the usual time frame for TT to wrap up a beta version of firmware? This has been out since 5/14/09 I think and although I use it, it would be nice to get the bugs out of it.

KØFL

5723. Re: [orion565] 2.041XT Beta Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-24 00:45:44 UTC
From: James Streible
Topic: 5722 Message: 5723

Forever and ever ---Amen.

kzerofl wrote:
>
> What's the usual time frame for TT to wrap up a beta version of
> firmware? This has been out since 5/14/09 I think and although I use
> it, it would be nice to get the bugs out of it.
>
> K?FL
>
>

5724. Re: [orion565] 2.041XT Beta Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-24 01:27:58 UTC
From: Pumbaa
Topic: 5722 Message: 5724

When a program reaches a certain complex level it becomes impossible to ever get all the bugs out of it. Example Microsoft OS.

Given enough time, some user will always find some combination of events that will find a bug. I don't have any real problems with the software that came with my Orion 2. So I don't plan to fix what is not broken.

But I am happy with Windows Vista. It finally works pretty well. I did however switch from Microsoft Money to Quicken. After Microsoft decided to no longer sell Money it quickly started crashing on me. So I was happy to get rid of it.

----- Original Message -----
From: "James Streible" <k4dli@...>
To: <orion565@yahoogroups.com>
Sent: Monday, November 23, 2009 6:45 PM
Subject: Re: [orion565] 2.041XT Beta Firmware

> Forever and ever ---Amen.
>
>
>
> kzerofl wrote:
>>
>> What's the usual time frame for TT to wrap up a beta version of
>> firmware? This has been out since 5/14/09 I think and although I use
>> it, it would be nice to get the bugs out of it.
>>
>> K?FL
>>
>>
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> Yahoo! Groups Links
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5725. Re: [orion565] 2.041XT Beta Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-24 01:46:32 UTC
From: James Streible
Topic: 5722 Message: 5725

Well--- I loaded and used the 2.041XT Beta Firmware for some time. In
fact until about 10 days ago.
I went back to the previous version because I missed the calibrated
scale on the band scope.
I also did not see any value to the waterfall display and the AF AGC was
a joke.

If they update the Beta firmware I will try it and see if they have
added anything worthwhile.

Jim K4DLI

Pumbaa wrote:
> When a program reaches a certain complex level it becomes impossible to ever
> get all the bugs out of it. Example Microsoft OS.
>
> Given enough time, some user will always find some combination of events
> that will find a bug. I don't have any real problems with the software that
> came with my Orion 2. So I don't plan to fix what is not broken.
>
> But I am happy with Windows Vista. It finally works pretty well. I did
> however switch from Microsoft Money to Quicken. After Microsoft decided to
> no longer sell Money it quickly started crashing on me. So I was happy to
> get rid of it.
>
> ----- Original Message -----
> From: "James Streible" <k4dli@...>
> To: <orion565@yahoogroups.com>
> Sent: Monday, November 23, 2009 6:45 PM
> Subject: Re: [orion565] 2.041XT Beta Firmware
>
>
>
>> Forever and ever ---Amen.
>>
>>
>>
>> kzerofl wrote:
>>
>>> What's the usual time frame for TT to wrap up a beta version of
>>> firmware? This has been out since 5/14/09 I think and although I use
>>> it, it would be nice to get the bugs out of it.
>>>
>>> K?FL
>>>
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5726. Re: 2.041XT Beta Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-24 12:56:01 UTC
From: pa1ap
Topic: 5722 Message: 5726

The only qualified party who knows the answer to your question is Ten-tec.

I might be the only one but I would appreciate a properly working general available version instead of a beta version.....

73, pa1ap

--- In orion565@yahoogroups.com, "kzerofl" <timranda@...> wrote:
>
> What's the usual time frame for TT to wrap up a beta version of firmware? This has been out since 5/14/09 I think and although I use it, it would be nice to get the bugs out of it.
>
> KØFL
>

5727. Re: 2.041XT Beta Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-24 14:04:25 UTC
From: Anthony
Topic: 5722 Message: 5727

Looks like it was about 2 years from the previous release to the current beta release, so I suspect it will probably be at least that long before another release.

Ten-Tec would be so much better off addressing the simpler bugs immediately and the more complex ones in a reasonable amount of time, than waiting until the list grows too much. Then it becomes a major project with the potential of even more bugs being introduced.

It would also be more prudent to stop making "Flash-ROM Updatable" a selling point, since you have to have an update to actually use the feature.

I have an Orion 1 with the ported beta that has issues that should have been addressed immediately.

While it may not be cost effective for them to add features, improve DSP algorithms, etc, there is no real excuse for the interface and basic advertised functions to still have bugs.

Just my opinion however.

--- In orion565@yahoogroups.com, "kzerofl" <timranda@...> wrote:
>
> What's the usual time frame for TT to wrap up a beta version of firmware? This has been out since 5/14/09 I think and although I use it, it would be nice to get the bugs out of it.
>
> KØFL
>

5728. Re: [orion565] Re: 2.041XT Beta Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-24 15:44:31 UTC
From: Martin Ewing
Topic: 5722 Message: 5728

On Tue, Nov 24, 2009 at 7:56 AM, pa1ap <pa1ap@...> wrote:
> The only qualified party who knows the answer to your question is Ten-tec.
>
> I might be the only one but I would appreciate a properly working general available version instead of a beta version.....
>
> 73, pa1ap
>

Me, too. But realize that the "beta" tag doesn't mean too much for limited circulation software like the Orion firmware. You could easily say that all releases we've ever had have been "beta".

The traditional beta version is software put out there for the bleeding edge users who can help with the final debugging work. Then, after a *modest* interval, the production version is to be released for general use. But nowadays, "beta" is often just a weasel word meaning "don't expect too much from this release", with no assurance of anything better to come.

The Orion firmware is highly functional, but it still has its rough edges. Some things will improve, but some things won't. After purchase, we have to rely on free TT support. The pity is that, in the closed software model, the motivated users can't contribute to the improvement process except by complaining.

Cheers, 73, and happy Thanksgiving,

Martin AA6E

--
Dr. Martin S. Ewing, AA6E
Member IEEE, URSI, AAS, ARRL
Branford, Connecticut

5729. Orion 565 "Fix-It" List

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-24 16:56:56 UTC
From: Rick W
Topic: 5729 Message: 5729

With all this discussion on the Orion II (566) "Fix-It" what about the original Orion.

I used the last Beta firmware 2.063xG for a brief period and, like many others, sent bug reports to ditsnbits. So perhaps it is time to assemble a "Fix-it" list for the Orion 565!

I'll be happy to coordinate the list if needed.

Here's a list - gleaned from the reflectors.

1)

When the AGC is changed from RF AGC to AF AGC
(or vice versa) the Orion serial port shuts down. A reboot of the Orion
eliminates this problem.

2)

When using the AF AGC the audio almost
disappears completely when the NR is engaged at any level -- even a
"1" will cause the problem. On my Orion the volume at MAX level gives
only very weak audio.

3) Loud pops in the audio when in AF/AGC with the decay rate set to anything other than 1000 dB/s

4) The sweep now has a fixed bandwidth and it is not as useful as past firmware versions.

5) The sweep display's "bandwidth frequency tick marks" are missing.

If there are other substantive issues to add to this list please drop me an email.

            ve7tk at yahoo dot ca

Thanks.

73,

Rick

VE7TK

Website: http://www3.telus.net/ve7tk

Be smarter than spam. See how smart SpamGuard is at giving junk email the boot with the All-new Yahoo! Mail. Click on Options in Mail and switch to New Mail today or register for free at http://mail.yahoo.ca

[Non-text portions of this message have been removed]

5730. Re: [TenTec] Orion 565 "Fix-It" List

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-24 17:18:51 UTC
From: Barry N1EU
Topic: 5729 Message: 5730

On Tue, Nov 24, 2009 at 4:56 PM, Rick W <ve7tk@...> wrote:
> If there are other substantive issues to add to this list please drop me an email.
>

Thanks for the effort Rick.

Yes, please add this one:

The filter blowby in the subreceiver dsp filtering is significantly
worse in 2.063xG than in v1.373

73,
Barry N1EU

5731. Re: [TenTec] Orion 565 "Fix-It" List

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-24 17:28:35 UTC
From: ve7tk
Topic: 5729 Message: 5731

Thanks Barry - I've added it to the list!

73,
Rick

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> On Tue, Nov 24, 2009 at 4:56 PM, Rick W <ve7tk@...> wrote:
> > If there are other substantive issues to add to this list please drop me an email.
> >
>
> Thanks for the effort Rick.
>
> Yes, please add this one:
>
> The filter blowby in the subreceiver dsp filtering is significantly
> worse in 2.063xG than in v1.373
>
> 73,
> Barry N1EU
>

5732. Re: [orion565] Orion 565 "Fix-It" List

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-24 19:16:32 UTC
From: Tony Sokol
Topic: 5729 Message: 5732

Hi Rick,

One thing that apparently didn't get fixed as previously thought is the "Red Screen" where the sweep portion turns red and ends up as a combination of both the water fall and normal sweep functions. I spoke with Ten Tec and they know the problem still exists. From what I have been reading here is sounds like the best thing to do is go back to the last non Beta version to get a stable screen and the display with frequency hash marks. The curser is about the only thing that I would miss.

73
Tony - W9JXN

PS: I also like the brown screen (3) which isn't quite as brightly colored but for some reason unlike the other color combinations, the sub receiver frequency is brighter than the primary frequency. Picky but annoying non the less since your eyes are drawn to the sub receiver frequency.

From: Rick W <ve7tk@...>
To: Ten-Tec Reflector <tentec@...>; Orion565 <orion565@yahoogroups.com>
Sent: Tue, November 24, 2009 10:56:56 AM
Subject: [orion565] Orion 565 "Fix-It" List

With all this discussion on the Orion II (566) "Fix-It" what about the original Orion.

I used the last Beta firmware 2.063xG for a brief period and, like many others, sent bug reports to ditsnbits. So perhaps it is time to assemble a "Fix-it" list for the Orion 565!

I'll be happy to coordinate the list if needed.

Here's a list - gleaned from the reflectors.

1)

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(or vice versa) the Orion serial port shuts down. A reboot of the Orion
eliminates this problem.

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When using the AF AGC the audio almost
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"1" will cause the problem. On my Orion the volume at MAX level gives
only very weak audio.

3) Loud pops in the audio when in AF/AGC with the decay rate set to anything other than 1000 dB/s

4) The sweep now has a fixed bandwidth and it is not as useful as past firmware versions.

5) The sweep display's "bandwidth frequency tick marks" are missing.

If there are other substantive issues to add to this list please drop me an email.

ve7tk at yahoo dot ca

Thanks.

73,

Rick

VE7TK

Website: http://www3. telus.net/ ve7tk

_____ _____ _____ _____ _____ _____ _
Be smarter than spam. See how smart SpamGuard is at giving junk email the boot with the All-new Yahoo! Mail. Click on Options in Mail and switch to New Mail today or register for free at http://mail. yahoo.ca

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5733. Re: 2.041XT Beta Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-24 20:03:34 UTC
From: pa1ap
Topic: 5722 Message: 5733

You might be correct that pretty much allreleases we have ever had, have been beta and indeed it claimed high functionality.

If one honestly checks the list of the claimed functionality and provides either working or broken status to each function, I fear we might have more broken functions then we like to see.

The lack of a structured feedback interface to Ten-tec makes them blind/deaf about our observations / experiences. I discussed with Gary a while back but then he retired and the doors closed again.

We could organize as a community, we could use the embedded trouble ticketing system within yahoo groups (its free and available)...This way we can actually build a community wide view on issues as found and help Ten-tec to understand the issues at hand in one view...

It has been suggested, an example has been build and I'm waiting for the group moderators to approve / accept.

Perhaps I'm the only one, but I did not buy the ORION under the agreement being a test engineer of any kind. I would really appreciate if it just works as promissed....

73, pa1ap

--- In orion565@yahoogroups.com, Martin Ewing <martin.s.ewing@...> wrote:
>
> On Tue, Nov 24, 2009 at 7:56 AM, pa1ap <pa1ap@...> wrote:
> > The only qualified party who knows the answer to your question is Ten-tec.
> >
> > I might be the only one but I would appreciate a properly working general available version instead of a beta version.....
> >
> > 73, pa1ap
> >
>
> Me, too. But realize that the "beta" tag doesn't mean too much for
> limited circulation software like the Orion firmware. You could
> easily say that all releases we've ever had have been "beta".
>
> The traditional beta version is software put out there for the
> bleeding edge users who can help with the final debugging work. Then,
> after a *modest* interval, the production version is to be released
> for general use. But nowadays, "beta" is often just a weasel word
> meaning "don't expect too much from this release", with no assurance
> of anything better to come.
>
> The Orion firmware is highly functional, but it still has its rough
> edges. Some things will improve, but some things won't. After

> purchase, we have to rely on free TT support. The pity is that, in
> the closed software model, the motivated users can't contribute to the
> improvement process except by complaining.
>
> Cheers, 73, and happy Thanksgiving,
>
> Martin AA6E
>
>
> --
> Dr. Martin S. Ewing, AA6E
> Member IEEE, URSI, AAS, ARRL
> Branford, Connecticut
>

5734. Re: [orion565] Orion 565 "Fix-It" List

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-24 22:07:34 UTC
From: James Streible
Topic: 5729 Message: 5734

Rick,

In regard to the items 4) The sweep now has a fixed bandwidth and it is not as useful as past firmware versions and 5) The sweep displays "bandwidth frequency tick marks" are missing I would be happy with a fixed bandwidth that meant something. I think +/- 20 KHz with 1 KHz tick marks would be be a good compromise.

Also, as far as I am concerned they can get rid of the AF AGC altogether and also loose the red hanging
signal decay and improve the audio quality.

Another thing that bugs me is the lack of fine control on some of the functions on the Multi Knob.
For example, when setting the AGC Threshold it is vary erratic and jumps from 38.3 uV to 191.48 uV.
Below 10 uV it is very smooth but then it jumps in large increments. I realize all the values in between may not really be necessary but I think it should allow a wider range. I have also experienced intermittent operation
of the Multi Knob similar to what was reported in the O-1 for , I believe, the RIT. It can generally be
curred by pressing on the case on the right side of the display window on the curved edge leading down to
the screen. Must be a bad connection but, so far I have not found which set of connectors it is.
A number of the functions controlled by encoders seem to be erratic and jumpy.

Well that's my 2-cents worth for now.

73 and Happy Thanksgiving,

Jim K4DLI

Rick W wrote:
>
> With all this discussion on the Orion II (566) "Fix-It" what about the
> original Orion.
>
> I used the last Beta firmware 2.063xG for a brief period and, like
> many others, sent bug reports to ditsnbits. So perhaps it is time to
> assemble a "Fix-it" list for the Orion 565!
>
> I'll be happy to coordinate the list if needed.
>
> Here's a list - gleaned from the reflectors.

>
> 1)
>
> When the AGC is changed from RF AGC to AF AGC
> (or vice versa) the Orion serial port shuts down. A reboot of the Orion
> eliminates this problem.
>
> 2)
>
> When using the AF AGC the audio almost
> disappears completely when the NR is engaged at any level -- even a
> "1" will cause the problem. On my Orion the volume at MAX level gives
> only very weak audio.
>
> 3) Loud pops in the audio when in AF/AGC with the decay rate set to
> anything other than 1000 dB/s
>
> 4) The sweep now has a fixed bandwidth and it is not as useful as past
> firmware versions.
>
> 5) The sweep display's "bandwidth frequency tick marks" are missing.
>
> If there are other substantive issues to add to this list please drop
> me an email.
>
> ve7tk at yahoo dot ca
>
> Thanks.
>
> 73,
>
> Rick
>
> VE7TK
>
> Website: http://www3.telus.net/ve7tk <http://www3.telus.net/ve7tk>
>
> --
> Be smarter than spam. See how smart SpamGuard is at giving junk email
> the boot with the All-new Yahoo! Mail. Click on Options in Mail and
> switch to New Mail today or register for free at http://mail.yahoo.ca
> <http://mail.yahoo.ca>
>
> [Non-text portions of this message have been removed]
>
>

5735. Re: [orion565] Re: 2.041XT Beta Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-24 22:08:09 UTC
From: Martin Luther
Topic: 5722 Message: 5735

I do not usually post to this reflector, just follow the debates. I have an Orion 1 and Orion 2. The first uses the last version 1 (1.373b) the second uses the latest 2 beta.
They are great radios, simply the best receivers I have ever driven.
Yes, they require a high level of learning and skill to operate them effectively but if you put in the effort the rewards are amazing!
The latest beta has a waterfall display which is many times more powerful during operation than is the previous amplitude sweep. I would now hate to be without the waterfall, I leave it on all the time as opposed to the sweep which I have never used.

The audio AGC seems to have been an experiment that for the moment has not worked, so don't use it! There seems to have been no real reason to provide this,of course that is never true in a commercial company so there was a reason which at present is not obvious.
The rest of the "fix its" are trivial.

I suggest that some of you get on and spend more time operating the radio and less doing engineering analysis. If you really want to get into the engineering analysis apply for a job at Ten Tec!

As was once said by Oscar Wilde - "I always pass on good advice it is so rarely of use to oneself"

I am more than happy with the excellent radios that I have in my shack.
I have operated all the other latest radios and only the k3 comes close.

I am posting this on the basis that those with a negative attitude are more likely to write than those of us who are satisfied. This is to provide some balance.

Martin VK7GN

5736. Re: Orion 565 "Fix-It" List

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-25 04:57:42 UTC
From: ve7tk
Topic: 5729 Message: 5736

Tony on the 565 we only get black and white and no waterfall. So no red screen - hi!

Rick

--- In orion565@yahoogroups.com, Tony Sokol <tonysokol@...> wrote:
>
> Hi Rick,
>
> One thing that apparently didn't get fixed as previously thought is the "Red Screen" where the sweep portion turns red and ends up as a combination of both the water fall and normal sweep functions. I spoke with Ten Tec and they know the problem still exists. From what I have been reading here is sounds like the best thing to do is go back to the last non Beta version to get a stable screen and the display with frequency hash marks. The curser is about the only thing that I would miss.
>
>
> 73
> Tony - W9JXN
>
> PS: I also like the brown screen (3) which isn't quite as brightly colored but for some reason unlike the other color combinations, the sub receiver frequency is brighter than the primary frequency. Picky but annoying non the less since your eyes are drawn to the sub receiver frequency.
>
>
>
>
>
> _____
> From: Rick W <ve7tk@...>
> To: Ten-Tec Reflector <tentec@...>; Orion565 <orion565@yahoogroups.com>
> Sent: Tue, November 24, 2009 10:56:56 AM
> Subject: [orion565] Orion 565 "Fix-It" List
>
>
> With all this discussion on the Orion II (566) "Fix-It" what about the original Orion.
>
> I used the last Beta firmware 2.063xG for a brief period and, like many others, sent bug reports to ditsnbits. So perhaps it is time to assemble a "Fix-it" list for the Orion 565!
>
> I'll be happy to coordinate the list if needed.
>
> Here's a list - gleaned from the reflectors.
>
> 1)

>
> When the AGC is changed from RF AGC to AF AGC
> (or vice versa) the Orion serial port shuts down. A reboot of the Orion
> eliminates this problem.
>
> 2)
>
> When using the AF AGC the audio almost
> disappears completely when the NR is engaged at any level -- even a
> "1" will cause the problem. On my Orion the volume at MAX level gives
> only very weak audio.
>
> 3) Loud pops in the audio when in AF/AGC with the decay rate set to anything other than
1000 dB/s
>
> 4) The sweep now has a fixed bandwidth and it is not as useful as past firmware versions.
>
> 5) The sweep display's "bandwidth frequency tick marks" are missing.
>
> If there are other substantive issues to add to this list please drop me an email.
>
> ve7tk at yahoo dot ca
>
> Thanks.
>
> 73,
>
> Rick
>
> VE7TK
>
> Website: http://www3. telus.net/ ve7tk
>
> ____________ _________ _________ _________ _________ _________ _
> Be smarter than spam. See how smart SpamGuard is at giving junk email the boot with the
All-new Yahoo! Mail. Click on Options in Mail and switch to New Mail today or register for
free at http://mail. yahoo.ca
>
> [Non-text portions of this message have been removed]
>
>
>
>
> [Non-text portions of this message have been removed]
>

5737. Re: [orion565] Re: Orion 565 "Fix-It" List

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-25 05:18:00 UTC
From: Tony Sokol
Topic: 5729 Message: 5737

Oops! I was just thinking Orion and not I or II. Oh well, at least you
don't have to deal with the screen issue. :-)

Happy Thanks Giving all

73
Tony

ve7tk wrote:
>
> Tony on the 565 we only get black and white and no waterfall. So no
> red screen - hi!
>
> Rick
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>,
> Tony Sokol <tonysokol@...> wrote:
> >
> > Hi Rick,
> >
> > One thing that apparently didn't get fixed as previously thought is
> the "Red Screen" where the sweep portion turns red and ends up as a
> combination of both the water fall and normal sweep functions. I spoke
> with Ten Tec and they know the problem still exists. From what I have
> been reading here is sounds like the best thing to do is go back to
> the last non Beta version to get a stable screen and the display with
> frequency hash marks. The curser is about the only thing that I would
> miss.
> >
> >
> > 73
> > Tony - W9JXN
> >
> > PS: I also like the brown screen (3) which isn't quite as brightly
> colored but for some reason unlike the other color combinations, the
> sub receiver frequency is brighter than the primary frequency. Picky
> but annoying non the less since your eyes are drawn to the sub
> receiver frequency.
> >
> >
> >
> >
> >
> > _____
> > From: Rick W <ve7tk@...>
> > To: Ten-Tec Reflector <tentec@...>; Orion565

> <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>>
> > Sent: Tue, November 24, 2009 10:56:56 AM
> > Subject: [orion565] Orion 565 "Fix-It" List
> >
> >
> > With all this discussion on the Orion II (566) "Fix-It" what about
> the original Orion.
> >
> > I used the last Beta firmware 2.063xG for a brief period and, like
> many others, sent bug reports to ditsnbits. So perhaps it is time to
> assemble a "Fix-it" list for the Orion 565!
> >
> > I'll be happy to coordinate the list if needed.
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> > Here's a list - gleaned from the reflectors.
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> > When the AGC is changed from RF AGC to AF AGC
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> > 2)
> >
> > When using the AF AGC the audio almost
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> >
> > 3) Loud pops in the audio when in AF/AGC with the decay rate set to
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> >
> > 4) The sweep now has a fixed bandwidth and it is not as useful as
> past firmware versions.
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> > 5) The sweep display's "bandwidth frequency tick marks" are missing.
> >
> > If there are other substantive issues to add to this list please
> drop me an email.
> >
> > ve7tk at yahoo dot ca
> >
> > Thanks.
> >
> > 73,
> >
> > Rick
> >
> > VE7TK
> >

> > Website: http://www3. telus.net/ ve7tk
> >
> > _____ _____ _____ _____ _____ _____ _
> > Be smarter than spam. See how smart SpamGuard is at giving junk
> email the boot with the All-new Yahoo! Mail. Click on Options in Mail
> and switch to New Mail today or register for free at http://mail. yahoo.ca
> >
> > [Non-text portions of this message have been removed]
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> > [Non-text portions of this message have been removed]
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>

5738. Trouble with aux input

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-25 15:10:05 UTC
From: Stan
Topic: 5738 Message: 5738

I am unable to operate digital modes because the aux input on my Orion is apparently not working. I have traced transmit audio from the computer through my SignaLink USB interface and its cable right to the aux input on the back of the Orion. The ptt works fine and keys up the Orion, but no transmit signal. The Orion was just in Sevierville last month and they checked alignment and operation (although I wonder if they check the aux input as a standard part of their routine). On the SSB menu I have set the TX audio source to AUX and have adjusted the Aux Input Gain all the way up to 100, but still no transmit. Am I overlooking something that would prevent the Orion from transmitting (yes the transmitter is turned on in the TX menu)?

Thanks for any help,
Stan, W4AG

5739. RE: [orion565] Trouble with aux input

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-25 15:24:19 UTC
From: John Hudson
Topic: 5738 Message: 5739

Stan have you doulbled checked the jumpers in the SL USB?? Also have you tried a MASTER RESET yet on the Orion? Amazing that needs it sometimes

BTW I have found that I only need my Aux Input Gain set to around 10 or 12 to work fine

Good Luck

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Stan
Sent: Wednesday, November 25, 2009 9:10 AM
To: orion565@yahoogroups.com
Subject: [orion565] Trouble with aux input

I am unable to operate digital modes because the aux input on my Orion is apparently not working. I have traced transmit audio from the computer through my SignaLink USB interface and its cable right to the aux input on the back of the Orion. The ptt works fine and keys up the Orion, but no transmit signal. The Orion was just in Sevierville last month and they checked alignment and operation (although I wonder if they check the aux input as a standard part of their routine). On the SSB menu I have set the TX audio source to AUX and have adjusted the Aux Input Gain all the way up to 100, but still no transmit. Am I overlooking something that would prevent the Orion from transmitting (yes the transmitter is turned on in the TX menu)?

Thanks for any help,
Stan, W4AG

[Non-text portions of this message have been removed]

5740. RE: [orion565] Trouble with aux input

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-25 23:36:07 UTC
From: Stan Dicks
Topic: 5738 Message: 5740

John,

Yes, I have double- and triple-checked the jumpers. I even traced the transmit audio from the computer, through the SL USB and through the cable and connector that plugs into the Orion, and there is audio there. I will try the master reset before shipping it back to Sevierville. Thanks for the info on the Aux Gain; I'll start it out there if and when I ever get it working.

Happy Thanksgiving,
Stan, W4AG

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John Hudson
Sent: Wednesday, November 25, 2009 10:24 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Trouble with aux input

Stan have you doulbled checked the jumpers in the SL USB?? Also have you tried a MASTER RESET yet on the Orion? Amazing that needs it sometimes

BTW I have found that I only need my Aux Input Gain set to around 10 or 12 to work fine

Good Luck

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Stan
Sent: Wednesday, November 25, 2009 9:10 AM
To: orion565@yahoogroups.com
Subject: [orion565] Trouble with aux input

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menu)?

Thanks for any help,
Stan, W4AG

[Non-text portions of this message have been removed]

Yahoo! Groups Links

5741. Re: Trouble with aux input

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-27 04:08:06 UTC
From: sniffitout
Topic: 5738 Message: 5741

Stan:
I'm running the same setup. Had the same problem. It took days to figure it out. Checked & rechecked the settings on the radio.
It was the MENU settings of the volume controls in the puter.
I turned the volume up all the way , clicked the start button and got a bright red led .
I don't know why , but every time I go from normal computing to digital, that volume control in the menu has to be turned up, on my puter.
Hope this solves your problem , let us know.
Matt KD3VJ
>

>
>

5742. FS***Christmas Sale on my custom dust covers***

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-29 02:20:53 UTC
From: stan_clewett
Topic: 5742 Message: 5742

****PLEASE CONTACT ME DIRECTLY VIA MY WEBSITE OR EMAIL BELOW...I will NOT answer any questions here on the group***

Hi Gang.
It is that time of year again....CHRISTMAS time is fast approaching. I have my annual Christmas sale starting Monday Nov. 30th through Dec. 30th.
All my custom dust covers are 10% off and free shipping (free shipping for orders placed in the USA only) if you order 3 or more covers at a time.

I make covers for just about any and all radio equipment...amps,transmitters,receivers,etc....made from the 1930's to present. I also do custom covers for home brew equipment,etc.

Please visit my website: www. radiodustcovers .com for more info and pics,etc.

PLEASE email me with any questions at: stan @ radiodustcovers.com (remove the spaces around the @)

Happy Holidays to all!

Take care, Stan W6ON

5743. Re: [orion565] Trouble with aux input

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-29 22:30:13 UTC
From: john@k5see.com
Topic: 5738 Message: 5743

I have the same problem. I could have written your letter, Stan.
73, John K5SEE

-----Original Message-----
From: John Hudson <jd_hudson@...>
To: orion565@yahoogroups.com
Sent: Wed, Nov 25, 2009 9:24 am
Subject: RE: [orion565] Trouble with aux input

Stan have you doulbled checked the jumpers in the SL USB?? Also have you tried a MASTER RESET yet on the Orion? Amazing that needs it sometimes

BTW I have found that I only need my Aux Input Gain set to around 10 or 12 to work fine

Good Luck

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Stan
Sent: Wednesday, November 25, 2009 9:10 AM
To: orion565@yahoogroups.com
Subject: [orion565] Trouble with aux input

I am unable to operate digital modes because the aux input on my Orion is apparently not working. I have traced transmit audio from the computer through my SignaLink USB interface and its cable right to the aux input on the back of the Orion. The ptt works fine and keys up the Orion, but no transmit signal. The Orion was just in Sevierville last month and they checked alignment and operation (although I wonder if they check the aux input as a standard part of their routine). On the SSB menu I have set the TX audio source to AUX and have adjusted the Aux Input Gain all the way up to 100, but still no transmit. Am I overlooking something that would prevent the Orion from transmitting (yes the transmitter is turned on in the TX menu)?

Thanks for any help,
Stan, W4AG

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5744. WTB: TENTEC 238 Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2009-11-30 22:48:39 UTC
From: Mike Schatzberg
Topic: 5744 Message: 5744

Pse advise if you have one available for sale.

Kindly advise off list with ur price and tuner condition.

Tnx,

Mike
W2AJI

5745. Orion 565 hw upgrades at ten-tec

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-03 08:20:04 UTC
From: pa1ap
Topic: 5745 Message: 5745

Greetings,

I noticed there are messages indicating that for orion 565 various hw modifications are performed by tentec. From recent FS messages: "power distribution, synthesizer and converter boards"...

Is there information available what those modifications contain / solve?

Thanks for advice,

Onno, pa1ap

5746. FS: Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-03 21:02:50 UTC
From: Kevin McGuirt
Topic: 5746 Message: 5746

For-Sale: Ten-Tec Orion 565

Excellent condition original ORION (non AT), s/n 10C10392. 2.0 firmware mods done by TT last year along with updated power distribution, synthesizer and converter boards.

Very little air time. Have original box, etc. $1,750.00 shipped ground conus or pickup within reasonable distance of Greenville, SC.

Thanks 73,

Kevin
W4KBM

5747. FS: Orion II with extras

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-05 04:12:57 UTC
From: Dr_Dutch
Topic: 5747 Message: 5747

I have three late model model HF rigs and this one is not getting enough air time to justify keeping it in the shack. Reward yourself with a great rig and accessories for Christmas. Ten Tec ORION II serial no. 10C107XX, it has the factory installed antenna tuner,excellent condition 9.9 out of 10, like new, non-smoker environment with all optional filters 1.8 600 300.Latest firmware installed. Optional Fan, 307B matching speaker 302 Remote Encoder and 963 power supply, factory box manual for the rig as shipped new. I will double box the accessories. The rig doesnt come from from the factory with a microphone so; to sweeten the deal, I will include a Heil PR-781 microphone with desk stand and because I'm in the Christmas spirit a Rigblaster Plug and Play interface that I have wired to use in CW mode exclusively (you can buy the accessory plug adapter from West Mountain Radio and work all the digital modes with it if you want). PayPal OK if you pay the 3% premium they charge me to use their service. I will accept the best reasonable offer over $3500. NO Trades and no sale outside of the continental United States. Buyer pays shipping. You can check out my feedback on under the user name of drdutch or under my callsign on qth.com. You will not be disappointed in this deal. Would prefer pickup in Pueblo, CO. Thanks for looking! Merry Christmas
73 de "Dutch", KY0R

5748. orion 565 running 1372 or 1373b5

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-05 12:19:20 UTC
From: pa1ap
Topic: 5748 Message: 5748

Just want to make sure it isn't my rig. While running 1372 or 1373b5 I notice the output power varies a little while sending CW. Both build-in power meter as well external power meter confirms the output goes up and down a little during transmission, its almost like the signal is modulated with something. It happens at all pwr settings. When upgrading to release 2 this problem disappears.

Appreciate confirmation (or opposite)..

Thanks and regards,
Onno pa1ap

5749. Re: [orion565] orion 565 running 1372 or 1373b5

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-05 12:34:35 UTC
From: Rob - G4LMW
Topic: 5748 Message: 5749

Onno

Did you notice that the RX signal went up and down also?

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "pa1ap" <pa1ap@...>
To: <orion565@yahoogroups.com>
Sent: Saturday, December 05, 2009 12:19 PM
Subject: [orion565] orion 565 running 1372 or 1373b5

> Just want to make sure it isn't my rig. While running 1372 or 1373b5 I
> notice the output power varies a little while sending CW. Both build-in
> power meter as well external power meter confirms the output goes up and
> down a little during transmission, its almost like the signal is modulated
> with something. It happens at all pwr settings. When upgrading to release
> 2 this problem disappears.
>
> Appreciate confirmation (or opposite)..
>
> Thanks and regards,
> Onno pa1ap
>
>
>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
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>
>

5750. Re: orion 565 running 1372 or 1373b5

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-05 14:27:38 UTC
From: pa1ap
Topic: 5748 Message: 5750

LOL. Ok, let me ask better then. Switch to CW, key the transmitter and watch the output power while sending continues CW signal. That should provide a constant carrier into the air, or am I wrong?

Thanks and regards,
Onno

--- In orion565@yahoogroups.com, "Rob - G4LMW" <G4LMW@...> wrote:
>
> Onno
>
> Did you notice that the RX signal went up and down also?
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
>
>
>
> ----- Original Message -----
> From: "pa1ap" <pa1ap@...>
> To: <orion565@yahoogroups.com>
> Sent: Saturday, December 05, 2009 12:19 PM
> Subject: [orion565] orion 565 running 1372 or 1373b5
>
>
> > Just want to make sure it isn't my rig. While running 1372 or 1373b5 I
> > notice the output power varies a little while sending CW. Both build-in
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> > down a little during transmission, its almost like the signal is modulated
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> > Thanks and regards,
> > Onno pa1ap
> >
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> > ------------------------------------
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> >

> > Yahoo! Groups Links
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> >
>

5751. Re: [orion565] Re: orion 565 running 1372 or 1373b5

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-05 14:31:53 UTC
From: Rob - G4LMW
Topic: 5748 Message: 5751

Onno

I asked because I had the same problem with TX output power going up and down. But I also had RX signal strength doing the same thing. I thought there was a problem with an intermittent antenna connection but could find nothing. I moved to v2.04b and the problem seems to have gone away.

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "pa1ap" <pa1ap@...>
To: <orion565@yahoogroups.com>
Sent: Saturday, December 05, 2009 2:27 PM
Subject: [orion565] Re: orion 565 running 1372 or 1373b5

> LOL. Ok, let me ask better then. Switch to CW, key the transmitter and
> watch the output power while sending continues CW signal. That should
> provide a constant carrier into the air, or am I wrong?
>
> Thanks and regards,
> Onno
>
> --- In orion565@yahoogroups.com, "Rob - G4LMW" <G4LMW@...> wrote:
>>
>> Onno
>>
>> Did you notice that the RX signal went up and down also?
>>
>> 73, Rob
>> G4LMW
>> http://www.G4LMW.co.uk
>>
>>
>>
>> ----- Original Message -----
>> From: "pa1ap" <pa1ap@...>
>> To: <orion565@yahoogroups.com>
>> Sent: Saturday, December 05, 2009 12:19 PM
>> Subject: [orion565] orion 565 running 1372 or 1373b5
>>
>>
>> > Just want to make sure it isn't my rig. While running 1372 or 1373b5 I
>> > notice the output power varies a little while sending CW. Both build-in
>> > power meter as well external power meter confirms the output goes up

>> > and
>> > down a little during transmission, its almost like the signal is
>> > modulated
>> > with something. It happens at all pwr settings. When upgrading to
>> > release
>> > 2 this problem disappears.
>> >
>> > Appreciate confirmation (or opposite)..
>> >
>> > Thanks and regards,
>> > Onno pa1ap
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5752. Re: orion 565 running 1372 or 1373b5

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-05 14:44:38 UTC
From: pa1ap
Topic: 5748 Message: 5752

Ok Rob, now I understand. I got the impression you were making a joke on reading cw signals, sorry about that.

I don't have rx signal issue, just tx power varying a little when using 1372 / 1373b5. Indeed going to any release 2.x solves the tx issue. Appreciate if other 1.x users could check and confirm they observe the same to figure out if the rig is broken or not.

Best regards,
Onno pa1ap

--- In orion565@yahoogroups.com, "Rob - G4LMW" <G4LMW@...> wrote:
>
> Onno
>
> I asked because I had the same problem with TX output power going up and
> down. But I also had RX signal strength doing the same thing. I thought
> there was a problem with an intermittent antenna connection but could find
> nothing. I moved to v2.04b and the problem seems to have gone away.
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
>
>
>
> ----- Original Message -----
> From: "pa1ap" <pa1ap@...>
> To: <orion565@yahoogroups.com>
> Sent: Saturday, December 05, 2009 2:27 PM
> Subject: [orion565] Re: orion 565 running 1372 or 1373b5
>
>
> > LOL. Ok, let me ask better then. Switch to CW, key the transmitter and
> > watch the output power while sending continues CW signal. That should
> > provide a constant carrier into the air, or am I wrong?
> >
> > Thanks and regards,
> > Onno
> >
> > --- In orion565@yahoogroups.com, "Rob - G4LMW" <G4LMW@> wrote:
> >>
> >> Onno
> >>
> >> Did you notice that the RX signal went up and down also?
> >>
> >> 73, Rob

> >> G4LMW
> >> http://www.G4LMW.co.uk
> >>
> >>
> >>
> >> ----- Original Message -----
> >> From: "pa1ap" <pa1ap@>
> >> To: <orion565@yahoogroups.com>
> >> Sent: Saturday, December 05, 2009 12:19 PM
> >> Subject: [orion565] orion 565 running 1372 or 1373b5
> >>
> >>
> >> > Just want to make sure it isn't my rig. While running 1372 or 1373b5 I
> >> > notice the output power varies a little while sending CW. Both build-in
> >> > power meter as well external power meter confirms the output goes up
> >> > and
> >> > down a little during transmission, its almost like the signal is
> >> > modulated
> >> > with something. It happens at all pwr settings. When upgrading to
> >> > release
> >> > 2 this problem disappears.
> >> >
> >> > Appreciate confirmation (or opposite)..
> >> >
> >> > Thanks and regards,
> >> > Onno pa1ap
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5753. rf problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-06 13:22:43 UTC
From: Vince Santis
Topic: 5753 Message: 5753

Good morning,

I'm a visually impaired operator. I use a merlin CCTV to magnify print materiel. The CCTV is comprised of a camera and a tv or computer monitor mounted on a xy table. It is equipped with color display and zoom capability.

The problem is rf gets into the CCTv and shuts it down. After a period of time (days) it comes back . The radio is an Orion I and an MFJ solid state amplifier running about 400 watts. I'm on the second floor with no rf ground, will an artificial ground help? Is there another solution? TIAA

Vince Santis, N!VS
Winsted, CT

5754. Re: rf problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-06 16:17:08 UTC
From: pa1ap
Topic: 5753 Message: 5754

Hello Vince,

RF could get into the system through mains or simple cable rf pick up. Did you already include ferriet cores on all cables? (close to the unit)

Also, perhaps you could try to disconnect all cables, except mains and then transmit at full power. After transmit, reconnect all cables and see if the unit still works.

If it does, then rf likely entering through the other cables and the ferriet cores might do the trick.

If the unit is stuck, then rf is either entering directly into the unit or through mains. It might be worth to move the mains connector to another group to see if that helps.

My two cents, hope it helps,

Best regards,
Onno pa1ap

--- In orion565@yahoogroups.com, "Vince Santis" <vinsantis@...> wrote:
>
> Good morning,
>
> I'm a visually impaired operator. I use a merlin CCTV to magnify print
> materiel. The CCTV is comprised of a camera and a tv or computer monitor
> mounted on a xy table. It is equipped with color display and zoom
> capability.
>
> The problem is rf gets into the CCTv and shuts it down. After a period of
> time (days) it comes back . The radio is an Orion I and an MFJ solid state
> amplifier running about 400 watts. I'm on the second floor with no rf
> ground, will an artificial ground help? Is there another solution? TIAA
>
> Vince Santis, N!VS
> Winsted, CT
>

5755. FS/T Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-06 20:50:01 UTC
From: John
Topic: 5755 Message: 5755

Ok, made the trade of my O7 for an Orion I, and do like the radio. But, still hankering for an OII. The OI I have is recently back from Ten Tec with software/hardware updates as well as the optional 1.8, 500 and 250 filters. Don't have cash for an exchange but have a really nice IC7K with Z-11 autotuner mounted in a Tec Comm carrier that might make up the difference. Anyway, if you have interest, please contact me off list.

5756. Re: [orion565] FS/T Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-06 22:09:33 UTC
From: N2FQ
Topic: 5755 Message: 5756

Hello

I do have a like new IC7K with the plastic still on the display, new Head Remote Kit with an AH-4 tuner.

All accessories and original box, manual, etc.

I have a Jupiter then purchased the IC7K/with tuner.

Don't like the QSK relay chatter right off the bat, menu system a bit tricky.

Most annoying, can't see the display when sunlight hit it.

Now have a O1 and love it, kept the Jupiter and willing to let go of this IC7K which is sitting

in the closet.

Pictures on request. Total time on radio about two days worth. Never on VHF nor UHF.

73 Fernando N2FQ

John wrote:
> Ok, made the trade of my O7 for an Orion I, and do like the radio. But, still hankering for an OII. The OI I have is recently back from Ten Tec with software/hardware updates as well as the optional 1.8, 500 and 250 filters. Don't have cash for an exchange but have a really nice IC7K with Z-11 autotuner mounted in a Tec Comm carrier that might make up the difference. Anyway, if you have interest, please contact me off list.
>
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5757. FS/T Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-06 22:24:22 UTC
From: N2FQ
Topic: 5755 Message: 5757

Sorry, I missed read your post.

Dang.. I better put the beer away.

73 Fernando N2FQ

5758. Display Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-08 19:26:31 UTC
From: mcelmer1
Topic: 5758 Message: 5758

I have an Orion 1 which refently developed a problem with the display. The display is completely white for about 2 minutes after turning on the radio. After this "warm up" period, the display is completely normal with all the numbers/letters visible. Any suggestions before I call Ten Tec?

5759. Re: Display Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-08 20:47:30 UTC
From: pa1ap
Topic: 5758 Message: 5759

It would be good to contact TenTec service, they will certainly be able to assist. They provide excellent service.

From what I have found myself, you could check the following;

Contrast is driven from the cpu through sending a PWM signal into the contrast potentiometer and then a capacitor acts at the integrator to arrive at a dc voltage. C700 is the capacitor. If you have the chance to measure with a oscilloscope the voltage on the potentiometer R702 you can check if there is indeed a dc voltage going to the LCD contrast pin.

If C700 is defective somehow, the PWM signal will remain as PWM which means the contrast voltage to the lcd screen is not correct.. Hence the "warm-up issue"...

Hope this helps,

Best regards,
Onno pa1ap

--- In orion565@yahoogroups.com, "mcelmer1" <mcelmer1@...> wrote:
>
> I have an Orion 1 which refently developed a problem with the display. The display is completely white for about 2 minutes after turning on the radio. After this "warm up" period, the display is completely normal with all the numbers/letters visible. Any suggestions before I call Ten Tec?
>

5760. Re: Display Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-08 20:50:30 UTC
From: pa1ap
Topic: 5758 Message: 5760

FYI;
On my orion, I learned the potentiometer (R702) had a bad contact and after replacing it my issue was fixed. I also replaced the capacitor (C700) at the same time.

--- In orion565@yahoogroups.com, "mcelmer1" <mcelmer1@...> wrote:
>
> I have an Orion 1 which refently developed a problem with the display. The display is completely white for about 2 minutes after turning on the radio. After this "warm up" period, the display is completely normal with all the numbers/letters visible. Any suggestions before I call Ten Tec?
>

5761. Scott Robbins leaving Ten Tec mid December

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-08 21:20:55 UTC
From: wc1x@arrl.net
Topic: 5761 Message: 5761

Scott Robbins, W4PA, of Knoxville, Tennessee, has signed an agreement to purchase The Vibroplex Company, Inc from present owner Felton "Mitch" Mitchell, W4OA, effective December 21, 2009.

Robbins -- who has been employed with Ten-Tec Inc since 1995 (he has been Product Manager for Ten-Tec's Amateur Radio equipment line since 1997) -- will leave his position in mid-December to take over full-time management and ownership of Vibroplex.

5762. Re: [orion565] Re: Display Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-09 03:45:24 UTC
From: mcelmer1
Topic: 5758 Message: 5762

Onno,

Thank you for the technical advice. Unfortunately, I do not have a oscilloscope. I m reluctant to send the Orion to Ten
Tec due to the costs but that is the only solution/option.

Regards,

Mike
W8TRN
----- Original Message -----
From: pa1ap
To: orion565@yahoogroups.com
Sent: Tuesday, December 08, 2009 1:47 PM
Subject: [orion565] Re: Display Problem

It would be good to contact TenTec service, they will certainly be able to assist. They provide excellent service.

From what I have found myself, you could check the following;

Contrast is driven from the cpu through sending a PWM signal into the contrast potentiometer and then a capacitor acts at the integrator to arrive at a dc voltage. C700 is the capacitor. If you have the chance to measure with a oscilloscope the voltage on the potentiometer R702 you can check if there is indeed a dc voltage going to the LCD contrast pin.

If C700 is defective somehow, the PWM signal will remain as PWM which means the contrast voltage to the lcd screen is not correct.. Hence the "warm-up issue"...

Hope this helps,

Best regards,
Onno pa1ap

--- In orion565@yahoogroups.com, "mcelmer1" <mcelmer1@...> wrote:
>
> I have an Orion 1 which refently developed a problem with the display. The display is completely white for about 2 minutes after turning on the radio. After this "warm up" period, the display is completely normal with all the numbers/letters visible. Any suggestions before I call Ten Tec?
>

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.709 / Virus Database: 270.14.99/2553 - Release Date: 12/08/09 12:54:00

[Non-text portions of this message have been removed]

5763. orion/6mtr tvtr1208

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-09 11:31:22 UTC
From: bgallear
Topic: 5763 Message: 5763

hi all

have just aquired a orion 565 which is super
and a part built 6meter transverter mod 1208 but no paperwork or circuit
on 1208
ie what IF?? isuspect it is 14mhz as xtal is 36.000mhz
HAVE SERCHED TEN TEC SITE NO DETAIL THERE
can any one help with paper work or info on a possible site for info

many thanks

b gallear g8vpr

5764. Re: [orion565] Re: Display Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-09 14:01:23 UTC
From: Martin Ewing
Topic: 5758 Message: 5764

The Orion display problems (contrast change with warm-up, flicker, etc.) are often traced to a specific capacitor on the A9 board which is operating beyond its ratings and overheating. I had the problem and found directions for fixing it. After my "surgery", the display has been fine.

My experiences: http://blog.aa6e.net/2009/08/orion-surgery.html

73 Martin AA6E

On Tue, Dec 8, 2009 at 10:45 PM, mcelmer1 <mcelmer1@...> wrote:
> Onno,
>
> Thank you for the technical advice. Unfortunately, I do not have a oscilloscope. I m reluctant to send the Orion to Ten
> Tec due to the costs but that is the only solution/option.
>
> Regards,
>
> Mike
> W8TRN
> ----- Original Message -----
> From: pa1ap
> To: orion565@yahoogroups.com
> Sent: Tuesday, December 08, 2009 1:47 PM
> Subject: [orion565] Re: Display Problem
>
>
>
> It would be good to contact TenTec service, they will certainly be able to assist. They provide excellent service.
>
> From what I have found myself, you could check the following;
>
> Contrast is driven from the cpu through sending a PWM signal into the contrast potentiometer and then a capacitor acts at the integrator to arrive at a dc voltage. C700 is the capacitor. If you have the chance to measure with a oscilloscope the voltage on the potentiometer R702 you can check if there is indeed a dc voltage going to the LCD contrast pin.
>
> If C700 is defective somehow, the PWM signal will remain as PWM which means the contrast voltage to the lcd screen is not correct.. Hence the "warm-up issue"...
>
> Hope this helps,
>
> Best regards,

> Onno pa1ap
>
> --- In orion565@yahoogroups.com, "mcelmer1" <mcelmer1@...> wrote:
> >
> > I have an Orion 1 which refently developed a problem with the display. The display is completely white for about 2 minutes after turning on the radio. After this "warm up" period, the display is completely normal with all the numbers/letters visible. Any suggestions before I call Ten Tec?
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>
> No virus found in this incoming message.
> Checked by AVG - www.avg.com
> Version: 9.0.709 / Virus Database: 270.14.99/2553 - Release Date: 12/08/09 12:54:00
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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Dr. Martin S. Ewing, AA6E
Member IEEE, URSI, AAS, ARRL
Branford, Connecticut

5765. InRad 902 Filter - Orion Sub Rec'v Mod

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-12 16:21:20 UTC
From: Rick W
Topic: 5765 Message: 5765

I have recently installed an International Radio 902 filter in the sub-receiver of my Orion. I have written up the installation on my website for those interested. It is located in the "Ten-Tec Information" section under Orion Sub-Recv Mod.

As usual comments and suggestions are welcome.

Enjoy.

73,

Rick

VE7TK

Website: http://www3.telus.net/ve7tk

_____
Yahoo! Canada Toolbar: Search from anywhere on the web, and bookmark your favourite sites. Download it now
http://ca.toolbar.yahoo.com.

[Non-text portions of this message have been removed]

5766. Re: InRad 902 Filter - Orion Sub Rec'v Mod

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-12 16:29:52 UTC
From: pa1ap
Topic: 5765 Message: 5766

Thanks very much for sharing and documenting the steps. It is not an easy modification to perform. Can you share some results about the outcome? How is the sub receiver handling big neighbor signals after the modification?

Thanks and regards,
Onno pa1ap

--- In orion565@yahoogroups.com, Rick W <ve7tk@...> wrote:
>
> I have recently installed an International Radio 902 filter in the
> sub-receiver of my Orion. I have written up the installation on my
> website for those interested. It is located in the "Ten-Tec
> Information" section under Orion Sub-Recv Mod.
>
> As usual comments and suggestions are welcome.
>
> Enjoy.
>
> 73,
>
> Rick
>
> VE7TK
>
>
>
> Website: http://www3.telus.net/ve7tk
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>
> ~---~
> Yahoo! Canada Toolbar: Search from anywhere on the web, and bookmark your favourite sites. Download it now
> http://ca.toolbar.yahoo.com.
>
> [Non-text portions of this message have been removed]
>

5767. Re: InRad 902 Filter - Orion Sub Rec'v Mod

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-12 17:47:09 UTC
From: ve7tk
Topic: 5765 Message: 5767

Thanks for the feedback Onno.

Well my comments on the mod are VERY subjective. As you'd anticipate replacing a 2-pole 15 kHz wide 1st IF roofing filter with a 6-pole 4 to 5 kHz wide filter really helps.

However, there are still some images of the primary strong signal getting through. I found that an image of the test signal appeared within 2.5 kHz of a primary S9 +30 dB signal (sub-receiver in CW with a 900 Hz bandwidth and firmware 1.373b5). Some additional images appeared at 2.5 kHz intervals above and below this "phantom" signal. Both the modified and unmodified sub-receiver suffer from these self generated signals at 2.5 kHz intervals. In both cases the signals decrease in strength as you tune off the primary frequency. In the modified rig the number of images is significantly reduced.

I don't know the source of the 2.5 kHz mixed signal BUT it is definitely not present in the Orion's main receiver. Since these phantom signals occur at such precise intervals my thought is that the 2.5 kHz source is likely somewhere in the sub-receiver's digital circuitry.

I'll leave the tracking down of this source to others.

73,
Rick
VE7TK

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Thanks very much for sharing and documenting the steps. It is not an easy modification to perform. Can you share some results about the outcome? How is the sub receiver handling big neighbor signals after the modification?
>
> Thanks and regards,
> Onno pa1ap
>
> --- In orion565@yahoogroups.com, Rick W <ve7tk@> wrote:
> >
> > I have recently installed an International Radio 902 filter in the
> > sub-receiver of my Orion. I have written up the installation on my
> > website for those interested. It is located in the "Ten-Tec
> > Information" section under Orion Sub-Recv Mod.
> >
> > As usual comments and suggestions are welcome.
> >
> > Enjoy.
> >
> > 73,
> >

> > Rick
> >
> > VE7TK
> >
> >
> >
> > Website: http://www3.telus.net/ve7tk
> >
> >
> > --
> > Yahoo! Canada Toolbar: Search from anywhere on the web, and bookmark your favourite sites. Download it now
> > http://ca.toolbar.yahoo.com.
> >
> > [Non-text portions of this message have been removed]
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>

5768. Main and sub RX on same ANT (1) resulting in 6dB loss?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-13 20:54:10 UTC
From: pa1ap
Topic: 5768 Message: 5768

Greetings,

While searching over the top band I noticed by accident that switching the sub RX to ANT 2 instead of ANT1 pushes the band noise from S4 to little over S5 (Main is on ANT1).... Running 1372 (O 565) but I doubt this is caused by firmware. When AGC is off, its almost 2 S-points.

Anybody else noticed this? I guess when searching weak DX signals its best to switch SUB RX to ANT2 then? Any explanation what could cause this issue?

Thanks for advice,

Best regards Onno, pa1ap

5769. Strange problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-13 21:01:16 UTC
From: Rob - G4LMW
Topic: 5769 Message: 5769

I found a small problem today after putting the sub receiver on MW (to listen to the football on the radio!).

Later on, after I sent some CW on the Main TX freq (it mattered not which band, the relay did not go back to RX. Very strange. I even tried with no RF but still the same. As soon as I put the sub receiver on a higher frequency, the problem went away!

Running O1, v 2.04b7 with hardware mod.

73, Rob
G4LMW
http://www.G4LMW.co.uk

[Non-text portions of this message have been removed]

5770. Fw: Strange problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-13 21:03:10 UTC
From: Rob - G4LMW
Topic: 5770 Message: 5770

Oh, the other thing I should have added was that it was only the headphone audio that did not return. Un-plug the headphones and audio through speaker, plug them back in, no audio. However, could hear side-tone perfectly well.

As I said, it was as if some relay had not changed over.....

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: Rob - G4LMW
To: orion565@yahoogroups.com
Sent: Sunday, December 13, 2009 9:01 PM
Subject: Strange problem

I found a small problem today after putting the sub receiver on MW (to listen to the football on the radio!).

Later on, after I sent some CW on the Main TX freq (it mattered not which band, the relay did not go back to RX. Very strange. I even tried with no RF but still the same. As soon as I put the sub receiver on a higher frequency, the problem went away!

Running O1, v 2.04b7 with hardware mod.

73, Rob
G4LMW
http://www.G4LMW.co.uk

[Non-text portions of this message have been removed]

5771. Re: Strange problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-13 21:10:56 UTC
From: pa1ap
Topic: 5769 Message: 5771

Hello Rob,

Were you able to re-produce the issue? If you like I can upgrade to the firmware you are using and follow the steps you have used to arrive at this status.

Best regards,
Onno pa1ap

--- In orion565@yahoogroups.com, "Rob - G4LMW" <G4LMW@...> wrote:
>
> I found a small problem today after putting the sub receiver on MW (to listen to the football on the radio!).
>
> Later on, after I sent some CW on the Main TX freq (it mattered not which band, the relay did not go back to RX. Very strange. I even tried with no RF but still the same. As soon as I put the sub receiver on a higher frequency, the problem went away!
>
> Running O1, v 2.04b7 with hardware mod.
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
>
>
>
>
> [Non-text portions of this message have been removed]
>

5772. Re: [orion565] Re: Strange problem

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-13 21:38:31 UTC
From: Rob - G4LMW
Topic: 5769 Message: 5772

Hi Onno

Thought I could not re-create it. Then managed it (step 4 was the reason I could not re-create it).

1. Set VFO A on any amateur band, CW mode.

2. Set RF power to zero (safer that way!)

3. Set VFO B to 909 (VFOB ENTER/00909/VFOB ENTER

4. Set VFO B to AM mode (doesn't have the problem in any other mode).

5. Key down

Audio does not return to headset, but is there (on speaker) when headset removed

Just realised that I can reverse the problem by selecting another mode on VFO B then key down.. audio returns.

Very odd !!

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "pa1ap" <pa1ap@...>
To: <orion565@yahoogroups.com>
Sent: Sunday, December 13, 2009 9:10 PM
Subject: [orion565] Re: Strange problem

> Hello Rob,
>
> Were you able to re-produce the issue? If you like I can upgrade to the
> firmware you are using and follow the steps you have used to arrive at
> this status.
>
> Best regards,
> Onno pa1ap
>
> --- In orion565@yahoogroups.com, "Rob - G4LMW" <G4LMW@...> wrote:
>>
>> I found a small problem today after putting the sub receiver on MW (to
>> listen to the football on the radio!).
>>
>> Later on, after I sent some CW on the Main TX freq (it mattered not which

>> band, the relay did not go back to RX. Very strange. I even tried with no
>> RF but still the same. As soon as I put the sub receiver on a higher
>> frequency, the problem went away!
>>
>> Running O1, v 2.04b7 with hardware mod.
>>
>> 73, Rob
>> G4LMW
>> http://www.G4LMW.co.uk
>>
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>>
>> [Non-text portions of this message have been removed]
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5773. RE: [orion565] Main and sub RX on same ANT (1) resulting in 6dB loss?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-13 21:51:00 UTC
From: Wes Attaway (N5WA)
Topic: 5768 Message: 5773

Do you have a better antenna on ANT2?

---------- Wes Attaway (N5WA) ----------

1138 Waters Edge Circle - Shreveport, LA 71106

318-797-4972 (office) - 318-393-3289 (cell)

Computer Consulting and Forensics

---------- EnCase Certified Examiner ----------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Sunday, December 13, 2009 2:54 PM
To: orion565@yahoogroups.com
Subject: [orion565] Main and sub RX on same ANT (1) resulting in 6dB loss?

Greetings,

While searching over the top band I noticed by accident that switching the sub RX to ANT 2 instead of ANT1 pushes the band noise from S4 to little over S5 (Main is on ANT1).... Running 1372 (O 565) but I doubt this is caused by firmware. When AGC is off, its almost 2 S-points.

Anybody else noticed this? I guess when searching weak DX signals its best to switch SUB RX to ANT2 then? Any explanation what could cause this issue?

Thanks for advice,

Best regards Onno, pa1ap

[Non-text portions of this message have been removed]

5774. Re: [orion565] Main and sub RX on same ANT (1) resulting in 6dB loss?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-13 22:08:27 UTC
From: Barry N1EU
Topic: 5768 Message: 5774

Sharing an antenna between both receivers means 3dB loss in each rx.

I find no difference between ANT1 and ANT2 on my subrx if main rx is
not connected to either one.

73,
Barry N1EU

5775. Re: Main and sub RX on same ANT (1) resulting in 6dB loss?

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-14 07:03:20 UTC
From: pa1ap
Topic: 5768 Message: 5775

No antenna connected to ANT 2.

--- In orion565@yahoogroups.com, "Wes Attaway \(N5WA\)" <wesattaway@...> wrote:
>
> Do you have a better antenna on ANT2?
>
>
>
> ------------------ Wes Attaway (N5WA) ------------------
>
> 1138 Waters Edge Circle - Shreveport, LA 71106
>
> 318-797-4972 (office) - 318-393-3289 (cell)
>
> Computer Consulting and Forensics
>
> -------------- EnCase Certified Examiner ---------------
>
>
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of pa1ap
> Sent: Sunday, December 13, 2009 2:54 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Main and sub RX on same ANT (1) resulting in 6dB loss?
>
>
>
>
>
> Greetings,
>
> While searching over the top band I noticed by accident that switching the
> sub RX to ANT 2 instead of ANT1 pushes the band noise from S4 to little over
> S5 (Main is on ANT1).... Running 1372 (O 565) but I doubt this is caused by
> firmware. When AGC is off, its almost 2 S-points.
>
> Anybody else noticed this? I guess when searching weak DX signals its best
> to switch SUB RX to ANT2 then? Any explanation what could cause this issue?
>
> Thanks for advice,
>
> Best regards Onno, pa1ap

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>
>
>
>
> [Non-text portions of this message have been removed]
>

5776. Re: orion/6mtr tvtr1208

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-18 00:45:36 UTC
From: ve7tk
Topic: 5763 Message: 5776

Brian I sent the info you were after via email. Did you receive it?

73,
Rick
VE7TK

--- In orion565@yahoogroups.com, "bgallear" <BRIANG8VPR@...> wrote:
>
> hi all
>
> have just aquired a orion 565 which is super
> and a part built 6meter transverter mod 1208 but no paperwork or circuit
> on 1208
> ie what IF?? isuspect it is 14mhz as xtal is 36.000mhz
> HAVE SERCHED TEN TEC SITE NO DETAIL THERE
> can any one help with paper work or info on a possible site for info
>
>
> many thanks
>
> b gallear g8vpr
>

5777. Re: [orion565] Re: orion/6mtr tvtr1208

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-18 09:45:04 UTC
From: BRIANG8VPR@AOL.COM
Topic: 5763 Message: 5777

hi rick

sorry about this but no e mails received on my prime address or my spam folder

if you wish an e-mail can be sent to my main address

briang8vpr@... (mailto:briang8vpr@...)

thanks rick

brian g8vpr

[Non-text portions of this message have been removed]

5778. OT: Happy holiday wishes and new year celebration

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-22 09:24:20 UTC
From: pa1ap
Topic: 5778 Message: 5778

I wish you and family happy holiday and new year celebration. Lots of dx and fun in 2010 of course. Best regards, Onno pa1ap

5779. Something unusual

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-24 05:37:15 UTC
From: tomczykw
Topic: 5779 Message: 5779

I noticed recently that while listening on 80m SSB I could receive a station on two fequencies 14 kHz apart. Both signals were of a similar strength.The same happend that when I tried another station.
At this stage I did not investigate this problem further, by changing bands,filters, etc.

Has someone made s similar observation?

Tom, VK2OE

5780. Re: Something unusual

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-24 09:39:35 UTC
From: pa1ap
Topic: 5779 Message: 5780

Hello Tom,

I have not noticed but that could be lack of awareness on my side. Could you share more information about rig setup and signal condition?

Regards,
Onno

--- In orion565@yahoogroups.com, "tomczykw" <wojiech.tomczyk@...> wrote:
>
> I noticed recently that while listening on 80m SSB I could receive a station on two fequencies 14 kHz apart. Both signals were of a similar strength.The same happend that when I tried another station.
> At this stage I did not investigate this problem further, by changing bands,filters, etc.
>
> Has someone made s similar observation?
>
> Tom, VK2OE
>

5781. Re: [orion565] Something unusual

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-24 11:00:49 UTC
From: Barry N1EU
Topic: 5779 Message: 5781

On Thu, Dec 24, 2009 at 5:37 AM, tomczykw
<wojiech.tomczyk@...> wrote:
> I noticed recently that while listening on 80m SSB I could receive a station on two fequencies 14 kHz apart. Both signals were of a similar strength.

Was this with the main receiver or subreceiver?

73 & happy holidays,
Barry N1EU

5782. Re: Something unusual

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-24 17:27:32 UTC
From: ve7tk
Topic: 5779 Message: 5782

Tom this sounds like a Master Reset may be in order.

73,
Rick
VE7TK

--- In orion565@yahoogroups.com, "tomczykw" <wojiech.tomczyk@...> wrote:
>
> I noticed recently that while listening on 80m SSB I could receive a station on two fequencies 14 kHz apart. Both signals were of a similar strength.The same happend that when I tried another station.
> At this stage I did not investigate this problem further, by changing bands,filters, etc.
>
> Has someone made s similar observation?
>
> Tom, VK2OE
>

5783. Re: Something unusual

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-26 12:12:13 UTC
From: ad4hk2004
Topic: 5779 Message: 5783

The subreceiver has a weak image at roughly 4kc offset from strong signals (which drives me bananas in weak signal dxing) I have not noticed anything at 14kc on either receiver...
Likely you have something in the set up that is causing problems... I agree with the suggestion to do a hard reset - and when doing it agree with wiping everything it asks you to save or wipe, i.e. turn it into a blithering idiot...
Turn off all front panel signal processing (i.e. do not turn on)any noise blanking, noise limiters, narrow the filters, or anything else, just leave the receiver at factory settings...
Then put the subreceiver on VFO-B, on a different band, and on the #2 antenna jack with no antenna plugged in, and mute the audio, and no antenna on the AUX input jack (Beverage)...
Finally, tune the main receiver and see if you still find those images at 14 kc...
Let us know...

denny / k8do

5784. Orion 565 AT mike connector

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-30 17:59:50 UTC
From: g3pjt@btinternet.com
Topic: 5784 Message: 5784

Hi

Has anyone replaced this 4 pin connector with the 8 pin version?
If so any details on the feasibility or otherwise of this mod please.

Thanks and 73

Bob G3PJT

5785. Re: Orion 565 AT mike connector

Yahoo group: orion565 (2009 — 2013)
Date: 2009-12-31 11:18:19 UTC
From: pa1ap
Topic: 5784 Message: 5785

I have considered the same but found the connector is mounted to a pcb, hence it would require a mechanical change. Perhaps someone found another way / solution for this, it would be nice to change this connector for something more reliable, especially on grounding....

Best regards,
Onno

--- In orion565@yahoogroups.com, "g3pjt@..." <g3pjt@...> wrote:
>
> Hi
>
> Has anyone replaced this 4 pin connector with the 8 pin version?
> If so any details on the feasibility or otherwise of this mod please.
>
> Thanks and 73
>
> Bob G3PJT
>

5786. Mike Connector

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-01 10:10:13 UTC
From: Bob G3PJT
Topic: 5786 Message: 5786

Neil GM0LTQ tells me that AOR UK sold him an adapter - I will give them a ring next week and find out

73 Bob G3PJT

5787. Re: [orion565] Mike Connector (WHO?)

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-01 17:06:02 UTC
From: Ed Menasian
Topic: 5786 Message: 5787

Who is Mike Connector? I know what a Mic Adapter is used for . Someone tell me who he is and what he has to do with the Orion 565.   HAPPY NEW YEAR!!! I hope everyone makes a lot of money and stays healthy.

--- On Fri, 1/1/10, Bob G3PJT <g3pjt@...> wrote:

From: Bob G3PJT <g3pjt@...>
Subject: [orion565] Mike Connector
To: "Orion reflector" <orion565@yahoogroups.com>
Date: Friday, January 1, 2010, 5:10 AM

Neil GM0LTQ tells me that AOR UK sold him an adapter - I will give them

a ring next week and find out

73 Bob G3PJT

[Non-text portions of this message have been removed]

5788. Auto threshold program for Windows

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-03 16:25:32 UTC
From: pa1ap
Topic: 5788 Message: 5788

Greetings,

I have the first beta program available and would appreciate a couple of test drivers. Program is for windows (visual interface) and I am assuming firmware 1372 on the orion. Right now it does RF Gain and Threshold together. Use and testing at your own risk.... Please send me a personal message with your email and I will email the installation file. It will install under windows and can be uninstalled same way... At least that is how it should work...

Best regards,

Onno, pa1ap

5789. Re: [orion565] Auto threshold program for Windows

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-03 18:36:59 UTC
From: Joe KX4JR
Topic: 5788 Message: 5789

Onno:
Great news, BUT, I'm running the Orion II. Don't
know if your program will work
with it.
What say?
73's, Joe, KX4JR

At 11:25 AM 1/3/2010, you wrote:
>
>
>Greetings,
>
>I have the first beta program available and
>would appreciate a couple of test drivers.
>Program is for windows (visual interface) and I
>am assuming firmware 1372 on the orion. Right
>now it does RF Gain and Threshold together. Use
>and testing at your own risk.... Please send me
>a personal message with your email and I will
>email the installation file. It will install
>under windows and can be uninstalled same way...
>At least that is how it should work...
>
>Best regards,
>
>Onno, pa1ap
>
>

[Non-text portions of this message have been removed]

5790. Re: Auto threshold program for Windows

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-03 19:02:21 UTC
From: pa1ap
Topic: 5788 Message: 5790

The first version is taking an easy approach but does depend on the reference taken by the firmware on RF Gain (predictable) as well Threshold (unpredictable).

Long story short: the unknown.... Given a desired signal strength, how much can you turn down RF Gain without impacting levelled audio output? Second, given desired signal strength, how much can you turn up Threshold without impacting levelled audio output?

Some details running 1372 firmware:

Through measurement (using RF generator and sound card) I have determined the threshold knee for signals between S2 and S7. Second I have introduced RF Gain reduction, throttling it down until it impacted levelled audio... In other words, tweaking Threshold up as well tweaking RF Gain down up to the point it starts impacting the desired signal.

I have a manual version where the operator can just click on signal strength (look at the s meter) and then orion main rx adjusts right away. It also includes buttons for attn, since in many cases the orion is to sensitive to my likings as well to drop down the signal into the higher resolution area of the threshold area.

One can also use threshold independently and keep RF Gain at 100%. Then Attn needs to be used, much more then you would expect at first... But recordings confirm that although total audio presence goes down, desired signal stays levelled... At first I thought the desired signal level went down too but this is just perception and audio analysis clearly shows the desired signal being processed by AGC to levelled output... It just sounds much more silent... I guess thats what we want?

But caution, miracles do not exist.. If undesired and desired signal are close to each other, nothing will improve that situation... Its questionable if 3-6dB difference will be big enough to hear.. But if undesired and desired are more then 1 or 2 S points away, then you can really improve audio presence by tweaking threshold, attn and rf gain... The windows application allows you very quick change to play with the settings... It might help.

Best regards,
Onno pa1ap

--- In orion565@yahoogroups.com, Joe KX4JR <kx4jr@...> wrote:
>
> Onno:
> Great news, BUT, I'm running the Orion II. Don't
> know if your program will work
> with it.
> What say?
> 73's, Joe, KX4JR
>
> At 11:25 AM 1/3/2010, you wrote:
> >

> >
> >Greetings,
> >
> >I have the first beta program available and
> >would appreciate a couple of test drivers.
> >Program is for windows (visual interface) and I
> >am assuming firmware 1372 on the orion. Right
> >now it does RF Gain and Threshold together. Use
> >and testing at your own risk.... Please send me
> >a personal message with your email and I will
> >email the installation file. It will install
> >under windows and can be uninstalled same way...
> >At least that is how it should work...
> >
> >Best regards,
> >
> >Onno, pa1ap
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

5791. Orion II for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-05 21:12:53 UTC
From: wc1x@arrl.net
Topic: 5791 Message: 5791

I have for sale a Orion II (no antenna tuner) with all 3 optional roofing filters, matching speaker, encoder/keypad, fan, manuals and boxes. I am the original owner. The unit is in excellant condition and has been very well taken care of. It's been in a smoke free envirnoment and covered when not in use. I will take photos this weekend and make them available off list. Anyone interested can contact me off the list with an offer.

Marc, WC1X

5792. Orion 565 - Problem with audio with version 2.062a firmware loaded

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-07 17:41:01 UTC
From: rc143dr
Topic: 5792 Message: 5792

Hello All,

I am having an audio issue with version 2.062a of the firmware.

On SSB receive on voice peaks there is a rasping/buzzing sound like when there is overload on the ADC. It shows up in the speaker, headphones and aux out audio to my computer's sound card. The problem does not seem to occur while listeming to CW.

The rig is grounded. I've tried it with a linear power supply. I've also tried it with the computer off. I tried all this in case there was some other source entering into the receive chain to cause this noise. None of these things made any difference.

It can be eliminated by turning down the RF gain to a really low value to limit the signal peak level to the ADC. No adjustments of the AGC seems to help eliminate it. In fact it seems like the AGC hardly functions under 2.062a at any setting, in my opinion. If you lock on a strong broadcast station with QSB on 40 meters you can really hear the AGC action working under 1.372, but it was hard to observe under 2.062a.

Under 1.372 the receive audio does not show this issue unless I were to turn off the AGC with the RF gain at 100% on a strong signal or it somewhat sounds the same if I turn the AGC decay rate to its maximum.

The receiver sounds beautiful under 1.372, but under 2.062a it is nearly impossible to get satifactory audio on SSB without practically muting the receiver via the RF gain.

I have read all the posts about firmware revisions and know that the differences have been hashed out quite a bit on here. I simply want to know if what I am experiencing is "normal" for some orion 565s.

There are improvements in 2.062a that I clearly desire to take advantage of (stability of the operating system, better display, etc.), but giving up the receiver performance that 1.372 affords is a big thing to have to sacrifice for a stable OS!-)

The distribution of gain and operation of the RF gain control is clearly described in the last release of the manual; Ten Tec, however, never seems to have described how the system works (or doesn't) under version 2 of the firmware. I assumed that meant it was basically the same, but the behavior of my radio leads me to doubt that. (One could assume that the Orion II (566) manual would have been edited had the systems operation been changed and as I recall it is the same as version 1 of the Orion I (565) description, but I could be wrong here.)

Any insight or suggestions are welcome. (I do know you cannot run the Orion with the RF gain wide open under any version of the firmware, but under 1.372 you can almost get away with it under certain band conditions;-)Thanks for taking the time to help.

73,

Roger (N3AYY)

5793. Re: Orion 565 - Problem with audio with version 2.062a firmware loaded

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-07 18:37:54 UTC
From: pa1ap
Topic: 5792 Message: 5793

Its unfortunately a known issue. Try 2056 which provides cleaner sound. The latest 2 beta does an ok job when using Af agc. Or go back to 1372 as an alternative.
--- In orion565@yahoogroups.com, "rc143dr" <rc143dr@...> wrote:
>
> Hello All,
>
> I am having an audio issue with version 2.062a of the firmware.
>
> On SSB receive on voice peaks there is a rasping/buzzing sound like when there is overload on the ADC. It shows up in the speaker, headphones and aux out audio to my computer's sound card. The problem does not seem to occur while listeming to CW.
>
> The rig is grounded. I've tried it with a linear power supply. I've also tried it with the computer off. I tried all this in case there was some other source entering into the receive chain to cause this noise. None of these things made any difference.
>
> It can be eliminated by turning down the RF gain to a really low value to limit the signal peak level to the ADC. No adjustments of the AGC seems to help eliminate it. In fact it seems like the AGC hardly functions under 2.062a at any setting, in my opinion. If you lock on a strong broadcast station with QSB on 40 meters you can really hear the AGC action working under 1.372, but it was hard to observe under 2.062a.
>
> Under 1.372 the receive audio does not show this issue unless I were to turn off the AGC with the RF gain at 100% on a strong signal or it somewhat sounds the same if I turn the AGC decay rate to its maximum.
>
> The receiver sounds beautiful under 1.372, but under 2.062a it is nearly impossible to get satifactory audio on SSB without practically muting the receiver via the RF gain.
>
> I have read all the posts about firmware revisions and know that the differences have been hashed out quite a bit on here. I simply want to know if what I am experiencing is "normal" for some orion 565s.
>
> There are improvements in 2.062a that I clearly desire to take advantage of (stability of the operating system, better display, etc.), but giving up the receiver performance that 1.372 affords is a big thing to have to sacrifice for a stable OS!-)
>
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>

> Any insight or suggestions are welcome. (I do know you cannot run the Orion with the RF gain wide open under any version of the firmware, but under 1.372 you can almost get away with it under certain band conditions;-)Thanks for taking the time to help.
>
> 73,
>
> Roger (N3AYY)
>

5794. Re: Orion 565 - Problem with audio with version 2.062a firmware loaded

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-07 18:52:04 UTC
From: rc143dr
Topic: 5792 Message: 5794

Thanks for the Advice!

I tried 2.056 and the issue is gone; sounds great on SSB now and the AGC works as it should.

I was looking through the firmware revision some and I am wondering if the AGC modification to desense the AGC to short pops is the culprit here?

I am wondering if the reason not everyone sees the issue is related to the type of noise present in their locality?

I'd like to investigate this further.

73,

Roger (N3AYY)

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
>
> Its unfortunately a known issue. Try 2056 which provides cleaner sound. The latest 2 beta does an ok job when using Af agc. Or go back to 1372 as an alternative.
> --- In orion565@yahoogroups.com, "rc143dr" <rc143dr@> wrote:
> >
> > Hello All,
> >
> > I am having an audio issue with version 2.062a of the firmware.
> >
> > On SSB receive on voice peaks there is a rasping/buzzing sound like when there is overload on the ADC. It shows up in the speaker, headphones and aux out audio to my computer's sound card. The problem does not seem to occur while listeming to CW.
> >
> > The rig is grounded. I've tried it with a linear power supply. I've also tried it with the computer off. I tried all this in case there was some other source entering into the receive chain to cause this noise. None of these things made any difference.
> >
> > It can be eliminated by turning down the RF gain to a really low value to limit the signal peak level to the ADC. No adjustments of the AGC seems to help eliminate it. In fact it seems like the AGC hardly functions under 2.062a at any setting, in my opinion. If you lock on a strong broadcast station with QSB on 40 meters you can really hear the AGC action working under 1.372, but it was hard to observe under 2.062a.
> >
> > Under 1.372 the receive audio does not show this issue unless I were to turn off the AGC with the RF gain at 100% on a strong signal or it somewhat sounds the same if I turn the AGC decay rate to its maximum.
> >
> > The receiver sounds beautiful under 1.372, but under 2.062a it is nearly impossible to

get satifactory audio on SSB without practically muting the receiver via the RF gain.
> >
> > I have read all the posts about firmware revisions and know that the differences have been hashed out quite a bit on here. I simply want to know if what I am experiencing is "normal" for some orion 565s.
> >
> > There are improvements in 2.062a that I clearly desire to take advantage of (stability of the operating system, better display, etc.), but giving up the receiver performance that 1.372 affords is a big thing to have to sacrifice for a stable OS!-)
> >
> > The distribution of gain and operation of the RF gain control is clearly described in the last release of the manual; Ten Tec, however, never seems to have described how the system works (or doesn't) under version 2 of the firmware. I assumed that meant it was basically the same, but the behavior of my radio leads me to doubt that. (One could assume that the Orion II (566) manual would have been edited had the systems operation been changed and as I recall it is the same as version 1 of the Orion I (565) description, but I could be wrong here.)
> >
> > Any insight or suggestions are welcome. (I do know you cannot run the Orion with the RF gain wide open under any version of the firmware, but under 1.372 you can almost get away with it under certain band conditions;-)Thanks for taking the time to help.
> >
> > 73,
> >
> > Roger (N3AYY)
> >
>

5795. Re: [orion565] Re: Orion 565 - Problem with audio with version 2.062a firmware loaded

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-07 23:23:47 UTC
From: Dean Cobussen
Topic: 5792 Message: 5795

Hi Onno, happy new year!

The one issue i find still after alot of testing over many months (and your help awhile back) is that the Beta version on AF AGC shows alot lower S meter readings than 1.372 or 2.056. Not as good with distortion on the audio but i can deal with it. The decay rate for AGC in this beta mode is also limited to about 10db before popping starts. Annoying.

I swapped over last night from Beta to both the 1372 and 2056 because my DX reports were way off after two big nights on air. I am seeing most european stations here on my setup (20m) between S3 to S5 and occasionally S6-S7 when strong. All the local chaps around me are getting S6 - S7 and when strong, S9's. As do my other rigs. Even though this is just an S meter, it is very frustrating that the Orion is so far off with this simple visual tool for basic report use - its very very annoying. I have many rigs, none of which have this issue and all are very consistently within an S point of each other. Close enough for a rough report.

The S meter issue i discussed with you months back disappears when i use the Beta version and it almost rests on zero with no Ant.. which you would expect. With 1372 and 2056 the meter sits high and moves around alot at about S2... if i narrow the BW to say 700 or lower, it drops. CW on 200Hz its almost zero. The mode should not dictate the reading on this visual tool... Grrr.

On a broader note, I just wish Ten Tec would finally release a comfortable version, with no distortion like 1.0372, good contrast like 2056, no S meter issue like the Beta version with an full AGC range that works without popping!! The other little tools that display on the screen are of far less use to me than these basic functions and its the one reason i would not buy a Ten Tec again until its sorted... no matter its ability. I have the same argument over my Range Rover.. i am tired of repairing little quirky things on it. After sometime, these nag at you heavily - despite the fact that its the best true off road 4WD on the market. This has no weight with me when i get computer warnings or airbag issues etc. I just want to drive it without getting flashed by the computer.

Dont get me wrong, i like the Orion. The RX is sensitive and the TX audio is awesome, but i have just as much fun on my KWM2 or the Kenwood 950SDX. All i want is the Orion to be without the quirky behaviour we are experiencing... and happy to trade off all the other things.

I think my point is that both my Rangie and the Orion try to do too
many things.

regards,

Dean (ZL1COB)

On 8/01/2010, at 7:37 AM, pa1ap wrote:

>
> Its unfortunately a known issue. Try 2056 which provides cleaner
> sound. The latest 2 beta does an ok job when using Af agc. Or go
> back to 1372 as an alternative.
> --- In orion565@yahoogroups.com, "rc143dr" <rc143dr@...> wrote:
> >
> > Hello All,
> >
> > I am having an audio issue with version 2.062a of the firmware.
> >
> > On SSB receive on voice peaks there is a rasping/buzzing sound
> like when there is overload on the ADC. It shows up in the speaker,
> headphones and aux out audio to my computer's sound card. The
> problem does not seem to occur while listeming to CW.
> >
> > The rig is grounded. I've tried it with a linear power supply.
> I've also tried it with the computer off. I tried all this in case
> there was some other source entering into the receive chain to cause
> this noise. None of these things made any difference.
> >
> > It can be eliminated by turning down the RF gain to a really low
> value to limit the signal peak level to the ADC. No adjustments of
> the AGC seems to help eliminate it. In fact it seems like the AGC
> hardly functions under 2.062a at any setting, in my opinion. If you
> lock on a strong broadcast station with QSB on 40 meters you can
> really hear the AGC action working under 1.372, but it was hard to
> observe under 2.062a.
> >
> > Under 1.372 the receive audio does not show this issue unless I
> were to turn off the AGC with the RF gain at 100% on a strong signal
> or it somewhat sounds the same if I turn the AGC decay rate to its
> maximum.
> >
> > The receiver sounds beautiful under 1.372, but under 2.062a it is
> nearly impossible to get satifactory audio on SSB without
> practically muting the receiver via the RF gain.
> >
> > I have read all the posts about firmware revisions and know that
> the differences have been hashed out quite a bit on here. I simply
> want to know if what I am experiencing is "normal" for some orion
> 565s.
> >
> > There are improvements in 2.062a that I clearly desire to take

> advantage of (stability of the operating system, better display,
> etc.), but giving up the receiver performance that 1.372 affords is
> a big thing to have to sacrifice for a stable OS!-)
> >
> > The distribution of gain and operation of the RF gain control is
> clearly described in the last release of the manual; Ten Tec,
> however, never seems to have described how the system works (or
> doesn't) under version 2 of the firmware. I assumed that meant it
> was basically the same, but the behavior of my radio leads me to
> doubt that. (One could assume that the Orion II (566) manual would
> have been edited had the systems operation been changed and as I
> recall it is the same as version 1 of the Orion I (565) description,
> but I could be wrong here.)
> >
> > Any insight or suggestions are welcome. (I do know you cannot run
> the Orion with the RF gain wide open under any version of the
> firmware, but under 1.372 you can almost get away with it under
> certain band conditions;-)Thanks for taking the time to help.
> >
> > 73,
> >
> > Roger (N3AYY)
> >
>
>
>

5796. Re: Auto threshold program for Windows

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-09 21:53:06 UTC
From: pa1ap
Topic: 5788 Message: 5796

Greetings,

I have made some quick video's and uploaded them to youtube. It describes the program as well provides demonstration of the agc program.

AGC macro in use (monitoring some signals)
http://www.youtube.com/watch?v=lXqUZsFIYLo

Orion AGC macro program (what the program provides)
http://www.youtube.com/watch?v=DtQQftfVLrc

Effect of threshold within AGC function
http://www.youtube.com/watch?v=GNiN-wmovLo

Best regards,
Onno pa1ap

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings,
>
> I have the first beta program available and would appreciate a couple of test drivers. Program is for windows (visual interface) and I am assuming firmware 1372 on the orion. Right now it does RF Gain and Threshold together. Use and testing at your own risk.... Please send me a personal message with your email and I will email the installation file. It will install under windows and can be uninstalled same way... At least that is how it should work...
>
> Best regards,
>
> Onno, pa1ap
>

5797. For sale Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-10 10:28:44 UTC
From: Bob G3PJT
Topic: 5797 Message: 5797

Hi

I am selling my Orion 1 with internal ATU excellent condition with Inrad 600 Hz filter . Located near Cambridge UK so if anyone is interested please contact me off list

73 Bob G3PJT
Tel 01223 263137

5798. WTT

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-10 14:12:38 UTC
From: John
Topic: 5798 Message: 5798

Enjoy my Ten Tec radios and always wanted an O2. Have a nice Omni 7, Jupiter, RX-320R I could offer in a trade if someone were interested. Contact off list if interested. 73, John

5799. Re: [orion565] Re: Auto threshold program for Windows

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-10 20:56:41 UTC
From: Tim Randa
Topic: 5788 Message: 5799

Onno you may have already answered this question but can your macro
program be used on the Orion II ??

Tim KØFL

pa1ap wrote:
> Greetings,
>
> I have made some quick video's and uploaded them to youtube. It describes the program as
well provides demonstration of the agc program.
>
> AGC macro in use (monitoring some signals)
> http://www.youtube.com/watch?v=lXqUZsFIYLo
>
> Orion AGC macro program (what the program provides)
> http://www.youtube.com/watch?v=DtQQftfVLrc
>
> Effect of threshold within AGC function
> http://www.youtube.com/watch?v=GNiN-wmovLo
>
> Best regards,
> Onno pa1ap
>
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
>> Greetings,
>>
>> I have the first beta program available and would appreciate a couple of test drivers.
Program is for windows (visual interface) and I am assuming firmware 1372 on the orion.
Right now it does RF Gain and Threshold together. Use and testing at your own risk....
Please send me a personal message with your email and I will email the installation file.
It will install under windows and can be uninstalled same way... At least that is how it
should work...
>>
>> Best regards,
>>
>> Onno, pa1ap
>>
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

5800. Re: Auto threshold program for Windows

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-10 23:20:58 UTC
From: pa1ap
Topic: 5788 Message: 5800

Yes it can be used for both versions. We might have to tweak the values though but you can certainly test it. Best regards, Onno

--- In orion565@yahoogroups.com, Tim Randa <timranda@...> wrote:
>
> Onno you may have already answered this question but can your macro
> program be used on the Orion II ??
>
> Tim KØFL
>
> pa1ap wrote:
> > Greetings,
> >
> > I have made some quick video's and uploaded them to youtube. It describes the program as well provides demonstration of the agc program.
> >
> > AGC macro in use (monitoring some signals)
> > http://www.youtube.com/watch?v=lXqUZsFIYLo
> >
> > Orion AGC macro program (what the program provides)
> > http://www.youtube.com/watch?v=DtQQftfVLrc
> >
> > Effect of threshold within AGC function
> > http://www.youtube.com/watch?v=GNiN-wmovLo
> >
> > Best regards,
> > Onno pa1ap
> >
> >
> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> >> Greetings,
> >>
> >> I have the first beta program available and would appreciate a couple of test drivers. Program is for windows (visual interface) and I am assuming firmware 1372 on the orion. Right now it does RF Gain and Threshold together. Use and testing at your own risk.... Please send me a personal message with your email and I will email the installation file. It will install under windows and can be uninstalled same way... At least that is how it should work...
> >>
> >> Best regards,
> >>
> >> Onno, pa1ap
> >>
> >>

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> > Yahoo! Groups Links
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>
> [Non-text portions of this message have been removed]
>

5801. Re: Auto threshold program for Windows

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-12 02:38:49 UTC
From: n4ac
Topic: 5788 Message: 5801

Onno -

Nice videos.

Which version of the firmware are you running?

Randal
N4AC

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings,
>
> I have made some quick video's and uploaded them to youtube. It describes the program as well provides demonstration of the agc program.
>
> AGC macro in use (monitoring some signals)
> http://www.youtube.com/watch?v=lXqUZsFIYLo
>
> Orion AGC macro program (what the program provides)
> http://www.youtube.com/watch?v=DtQQftfVLrc
>
> Effect of threshold within AGC function
> http://www.youtube.com/watch?v=GNiN-wmovLo
>
> Best regards,
> Onno pa1ap
>
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Greetings,
> >
> > I have the first beta program available and would appreciate a couple of test drivers. Program is for windows (visual interface) and I am assuming firmware 1372 on the orion. Right now it does RF Gain and Threshold together. Use and testing at your own risk.... Please send me a personal message with your email and I will email the installation file. It will install under windows and can be uninstalled same way... At least that is how it should work...
> >
> > Best regards,
> >
> > Onno, pa1ap
> >
>

5802. Re: Auto threshold program for Windows

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-12 07:58:54 UTC
From: pa1ap
Topic: 5788 Message: 5802

At the time I was running 1372 firmware.

In release 1 the threshold kneepoint is not visualized through the s-meter which makes it hard to adjust it to the correct value. The macro addresses this by pre-defined values. From what I know, release 2 firmware adjusts the s-meter to visualize the threshold kneepoint.

When time allows I will verify release 2 kneepoint and rf gain settings in the same way I have tried to arrive at optimum settings being used by the macro right now. I hope the values will be the same but I am not sure.

I have received several positive reactions on the program, also from orion 2 users. At the mimimum the program allows you to quickly compare "default operation"" with "tweaked operation".

A new version is planned which includes various improvements as well I am investigating if I can display the threshold knee points within XY plane, where X would be the s-meter values (and uV) and Y would be the audio presence and potential attenuation of undesired signal. Then below the X the "real-time" s-meter value would be displayed as a mutli color bar, indicating minimum, average and peak values. Then using the mouse, one can set the threshold / rf gain to the best operating area etc...

There were also questions about running multiple programs at the same time (logging, rig control etc) but only having one destination com port. There are various virtual port programs which can address this and we are testing a couple of shareware programs. With the virtual port software each application will get its own virtual com port and then the software will proxy the input / output towards the shared real port connecting to orion.

Disclaimer: I am not a windows programmer and I am sure many other people can do a better job. I am also not an expert on the orion and many other people will know much better how things should work. I hope the community chimes into the discussion to help each other enjoying the orion foundation.

Best regards,
onno pa1ap

--- In orion565@yahoogroups.com, "n4ac" <N4AC@...> wrote:
>
> Onno -
>
> Nice videos.
>
> Which version of the firmware are you running?
>
>
>
> Randal

> N4AC
>
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Greetings,
> >
> > I have made some quick video's and uploaded them to youtube. It describes the program as well provides demonstration of the agc program.
> >
> > AGC macro in use (monitoring some signals)
> > http://www.youtube.com/watch?v=lXqUZsFIYLo
> >
> > Orion AGC macro program (what the program provides)
> > http://www.youtube.com/watch?v=DtQQftfVLrc
> >
> > Effect of threshold within AGC function
> > http://www.youtube.com/watch?v=GNiN-wmovLo
> >
> > Best regards,
> > Onno pa1ap
> >
> >
> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > >
> > > Greetings,
> > >
> > > I have the first beta program available and would appreciate a couple of test drivers. Program is for windows (visual interface) and I am assuming firmware 1372 on the orion. Right now it does RF Gain and Threshold together. Use and testing at your own risk.... Please send me a personal message with your email and I will email the installation file. It will install under windows and can be uninstalled same way... At least that is how it should work...
> > >
> > > Best regards,
> > >
> > > Onno, pa1ap
> > >
> >
>

5803. Firmware for O-II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-13 16:35:59 UTC
From: Andrew B. Steen
Topic: 5803 Message: 5803

Just wondering if anyone has spoken to Ten-Tec regarding the final firmware upgrade. I gave up waiting and returned to the original that came with the radio (2.039d). The AF AGC doesn't cut it, and the waterfall is old news monochromatic. I like the radio, and I like the old sweep with the frequency markers. Other than the sweep being a little more blunt on the tips, I don't really notice any difference. Any comments or new info would be appreciated. I have not been able to get any info from Ten-Tec, so maybe someone here has an inside track.

73, Andrew K6STN

[Non-text portions of this message have been removed]

5804. Latest Manual

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-13 16:38:43 UTC
From: Rob - G4LMW
Topic: 5804 Message: 5804

I have an Orion I with firmware 2.063XG, which I am happy with.

Hardware mod for the Sweep is done.

I am now finding several new menu options (and some that have disappeared).

Is there a latest manual to cover these features?

73, Rob
G4LMW
http://www.G4LMW.co.uk

5805. Re: [orion565] Firmware for O-II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-13 18:07:23 UTC
From: Tim Randa
Topic: 5803 Message: 5805

Don't hold your breath Andrew. After 8 months of "Beta" testing I'm
afraid our position is behind the back burner.

I's sad if you think about it

73 de Tim K?FL

Andrew B. Steen wrote:
> Just wondering if anyone has spoken to Ten-Tec regarding the final firmware
> upgrade. I gave up waiting and returned to the original that came with the
> radio (2.039d). The AF AGC doesn't cut it, and the waterfall is old news
> monochromatic. I like the radio, and I like the old sweep with the
> frequency markers. Other than the sweep being a little more blunt on the
> tips, I don't really notice any difference. Any comments or new info would
> be appreciated. I have not been able to get any info from Ten-Tec, so maybe
> someone here has an inside track.
>
> 73, Andrew K6STN
>
>
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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5806. Re: Latest Manual

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-16 15:23:54 UTC
From: Carl E
Topic: 5804 Message: 5806

--- In orion565@yahoogroups.com, "Rob - G4LMW" <G4LMW@...> wrote:
>
> I have an Orion I with firmware 2.063XG, which I am happy with.
>
> Hardware mod for the Sweep is done.
>
> I am now finding several new menu options (and some that have disappeared).
>
> Is there a latest manual to cover these features?
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk

Hi Rob,
I would be interested in any information you may have on the hardware mod for the sweep. I am experiencing some sweep problems with my Orion 565.

Carl W3IY
>

5808. Re: [orion565] Latest Manual

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-16 16:53:39 UTC
From: Martin
Topic: 5804 Message: 5808

If you need older firmware or something else Orion related, visit my Orion corner at

http://www.ok1rr.com

There are 200+ Orion related files including manuals, firmware, PDF docs etc. collected within past 4 years.

73
Martin, OK1RR

5809. Re: [orion565] Latest Manual

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-16 17:31:08 UTC
From: Rob - G4LMW
Topic: 5804 Message: 5809

Thanks Martin, but when I go here:

http://www.ok1rr.com/download.php?list.6

The page is empty.

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Martin" <martin@...>
To: <orion565@yahoogroups.com>
Sent: Saturday, January 16, 2010 4:53 PM
Subject: Re: [orion565] Latest Manual

> If you need older firmware or something else Orion related, visit my
> Orion corner at
>
> http://www.ok1rr.com
>
> There are 200+ Orion related files including manuals, firmware, PDF docs
> etc. collected within past 4 years.
>
> 73
> Martin, OK1RR
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> Yahoo! Groups Links
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5811. Re: [orion565] Latest Manual

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-16 17:54:43 UTC
From: Martin
Topic: 5804 Message: 5811

You must sign up and log in.

73
Martin, OK1RR

Rob - G4LMW napsal(a):
> Thanks Martin, but when I go here:
>
> http://www.ok1rr.com/download.php?list.6
>
> The page is empty.
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
>
>
>
> ----- Original Message -----
> From: "Martin" <martin@...>
> To: <orion565@yahoogroups.com>
> Sent: Saturday, January 16, 2010 4:53 PM
> Subject: Re: [orion565] Latest Manual
>
>
>> If you need older firmware or something else Orion related, visit my
>> Orion corner at
>>
>> http://www.ok1rr.com
>>
>> There are 200+ Orion related files including manuals, firmware, PDF docs
>> etc. collected within past 4 years.
>>
>> 73
>> Martin, OK1RR
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>> Yahoo! Groups Links
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>

5812. Re: [orion565] Latest Manual

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-16 18:10:28 UTC
From: Rob - G4LMW
Topic: 5804 Message: 5812

Ah OK.

But that is not clear, so others may not know this either.

Will sign-up.....

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Martin" <martin@...>
To: <orion565@yahoogroups.com>
Sent: Saturday, January 16, 2010 5:54 PM
Subject: Re: [orion565] Latest Manual

> You must sign up and log in.
>
> 73
> Martin, OK1RR
>
> Rob - G4LMW napsal(a):
>> Thanks Martin, but when I go here:
>>
>> http://www.ok1rr.com/download.php?list.6
>>
>> The page is empty.
>>
>> 73, Rob
>> G4LMW
>> http://www.G4LMW.co.uk
>>
>>
>>
>> ----- Original Message -----
>> From: "Martin" <martin@...>
>> To: <orion565@yahoogroups.com>
>> Sent: Saturday, January 16, 2010 4:53 PM
>> Subject: Re: [orion565] Latest Manual
>>
>>
>>> If you need older firmware or something else Orion related, visit my
>>> Orion corner at
>>>
>>> http://www.ok1rr.com
>>>

>>> There are 200+ Orion related files including manuals, firmware, PDF docs
>>> etc. collected within past 4 years.
>>>
>>> 73
>>> Martin, OK1RR
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5813. Re: Latest Manual

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-17 13:52:57 UTC
From: Anthony
Topic: 5804 Message: 5813

Hi Martin!

This is completely off topic, but I've been meaning to ask you: What breed in your companion in the picture on your website??

Anthony (K4ZNO, Ex NT4X)

--- In orion565@yahoogroups.com, Martin <martin@...> wrote:
>
> You must sign up and log in.
>
> 73
> Martin, OK1RR
>
> Rob - G4LMW napsal(a):
> > Thanks Martin, but when I go here:
> >
> > http://www.ok1rr.com/download.php?list.6
> >
> > The page is empty.
> >
> > 73, Rob
> > G4LMW
> > http://www.G4LMW.co.uk
> >
> >
> >
> > ----- Original Message -----
> > From: "Martin" <martin@...>
> > To: <orion565@yahoogroups.com>
> > Sent: Saturday, January 16, 2010 4:53 PM
> > Subject: Re: [orion565] Latest Manual
> >
> >
> > >> If you need older firmware or something else Orion related, visit my
> > >> Orion corner at
> > >>
> > >> http://www.ok1rr.com
> > >>
> > >> There are 200+ Orion related files including manuals, firmware, PDF docs
> > >> etc. collected within past 4 years.
> > >>
> > >> 73
> > >> Martin, OK1RR
> > >>
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> >> Yahoo! Groups Links
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>

5814. Re: [orion565] Re: Latest Manual

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-17 16:42:38 UTC
From: Martin
Topic: 5804 Message: 5814

Nothing pure, Anthony. He is a mix of a newfoundlander and probably a
flat coated retriever. We adopted him from the local animal shelter as a
8 week old puppy.

One more reason to support the animal shelters...

73
Martin, OK1RR

P.S. My sincere apologies for this off-topic posting.

Anthony napsal(a):
> Hi Martin!
>
> This is completely off topic, but I've been meaning to ask you: What breed in your
companion in the picture on your website??
>
> Anthony (K4ZNO, Ex NT4X)
>
> --- In orion565@yahoogroups.com, Martin <martin@...> wrote:
>> You must sign up and log in.
>>
>> 73
>> Martin, OK1RR
>>
>> Rob - G4LMW napsal(a):
>>> Thanks Martin, but when I go here:
>>>
>>> http://www.ok1rr.com/download.php?list.6
>>>
>>> The page is empty.
>>>
>>> 73, Rob
>>> G4LMW
>>> http://www.G4LMW.co.uk
>>>
>>>
>>>
>>> ----- Original Message -----
>>> From: "Martin" <martin@...>
>>> To: <orion565@yahoogroups.com>
>>> Sent: Saturday, January 16, 2010 4:53 PM
>>> Subject: Re: [orion565] Latest Manual
>>>
>>>
>>>> If you need older firmware or something else Orion related, visit my

>>>> Orion corner at
>>>>
>>>> http://www.ok1rr.com
>>>>
>>>> There are 200+ Orion related files including manuals, firmware, PDF docs
>>>> etc. collected within past 4 years.
>>>>
>>>> 73
>>>> Martin, OK1RR
>>>>
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>>>> Yahoo! Groups Links
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5815. For Sale Orion 565 AT (LDG OT-11P) plus extras

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-18 02:37:49 UTC
From: rc143dr
Topic: 5815 Message: 5815

Hello I am offering my Orion 565 for sale:

Orion I (565), from a smoke-free shack, with the following extras: 1.8 SSB roofing filter, new style rubber grips on both vfo's, cooling fan, Model 302 Remote tuning Pod, 705 desk mic, matching 307 Ten Tec speaker, power cord, original manual, internal LDG antenna (OT-11P) made specifically for the Orion, and original box (for transceiver only). Has the version 2 sweep hardware update.

Cosmetically I did discover one slight scratch on the top right corner that had been touched up and a few light scratches on the bottom of the unit out of view that I hadn't noticed before.

I am asking $1975.00 includes shipping and insurance, CONUS only. USPS money order or PAYPAL.

If interested, please contact me off list.

Thanks for reading this and 73.

Roger (N3AYY)

5816. N4PY, SDR-IQ, CW Skimmer, Write Log, Rig Sync, Omni VII or Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-20 01:12:52 UTC
From: John
Topic: 5816 Message: 5816

I find some people are interested in knowing about what I have been doing in getting CW Skimmer in this case, to work with what was my Omni VII and is now my Orion II (works with both):

If you would like to use CW Skimmer with your Omni VII or Orion and have 48, 96 to 192 khz of bandwidth to view, you can do so with a SDR-IQ rcvr (recently reviewed in QST). You can tie in a logging program as well(I use WriteLog). The program that ties it all together is called RigSync and is referenced in CW Skimmer's content files on 3rd Party Programs. I use VSPE to emulate virtual ports.

This is the way it works. I use N4PY's radio program and its transfer file and 3rd Party logging utilities to run the radio. (Those directions are in N4PY's help files). I run WriteLog and following N4PY's directions tie that program to the radio program. I then start Skimmer, setting it up as described and for the SDR-IQ rcvr. Then I run the RigSync program, (directions to find that are in the CW help files) Once all programs are up and running I hit the button "Sync" and "Skim" in RigSync and every thing is tied together. So as you watch the Skimmer screen scroll and see all the CW signals, and its program shows the calls on the margin, you just click on either call or a signal on the screen and your computer and logging program go to that call and freq.

By the way, I use a computer lap top sound card, Creative Labs X-Fi for the SDR-IQ.

73, John

5817. Re: [orion565] N4PY, SDR-IQ, CW Skimmer, Write Log, Rig Sync, Omni VII or Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-20 01:17:45 UTC
From: Rob - G4LMW
Topic: 5816 Message: 5817

Hi John

But I thought that SDR_IQ worked from the IF output and the Orion doesn't have an IF output ..... does it?

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "John" <k0ftc@...>
To: <orion565@yahoogroups.com>
Sent: Wednesday, January 20, 2010 1:12 AM
Subject: [orion565] N4PY, SDR-IQ, CW Skimmer, Write Log, Rig Sync, Omni VII or Orion

>I find some people are interested in knowing about what I have been doing
>in getting CW Skimmer in this case, to work with what was my Omni VII and
>is now my Orion II (works with both):
>
> If you would like to use CW Skimmer with your Omni VII or Orion and have
> 48, 96 to 192 khz of bandwidth to view, you can do so with a SDR-IQ rcvr
> (recently reviewed in QST). You can tie in a logging program as well(I
> use WriteLog). The program that ties it all together is called RigSync
> and is referenced in CW Skimmer's content files on 3rd Party Programs. I
> use VSPE to emulate virtual ports.
>
> This is the way it works. I use N4PY's radio program and its transfer
> file and 3rd Party logging utilities to run the radio. (Those directions
> are in N4PY's help files). I run WriteLog and following N4PY's directions
> tie that program to the radio program. I then start Skimmer, setting it
> up as described and for the SDR-IQ rcvr. Then I run the RigSync program,
> (directions to find that are in the CW help files) Once all programs are
> up and running I hit the button "Sync" and "Skim" in RigSync and every
> thing is tied together. So as you watch the Skimmer screen scroll and see
> all the CW signals, and its program shows the calls on the margin, you
> just click on either call or a signal on the screen and your computer and
> logging program go to that call and freq.
>
> By the way, I use a computer lap top sound card, Creative Labs X-Fi for
> the SDR-IQ.
>
> 73, John
>
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> Yahoo! Groups Links
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5818. Re: [orion565] N4PY, SDR-IQ, CW Skimmer, Write Log, Rig Sync, Omni VII or Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-20 01:30:35 UTC
From: Barry N1EU
Topic: 5816 Message: 5818

On Wed, Jan 20, 2010 at 1:17 AM, Rob - G4LMW <G4LMW@...> wrote:

> But I thought that SDR_IQ worked from the IF output and the Orion doesn't
> have an IF output ..... does it?

I just assumed he was feeding the SDR-IQ with an antenna and using it
in parallel with the rig.

73,
Barry N1EU

5819. Re: N4PY, SDR-IQ, CW Skimmer, Write Log, Rig Sync, Omni VII or Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-20 01:47:10 UTC
From: John
Topic: 5816 Message: 5819

Rob, you can use any antenna with SDR-IQ. I use the same antenna I use for the RX only port on the radio. I use a 99' end fed long wire (made of coax with shield and braid connected) for my RX antenna. SDR-IQ is pretty robust, but I am worried about induction back into the RX when I transmit, so I use an ICE products RF limiter and then an ICE RX antenna splitter. When I was running the N4PY mod for the RX-320, I used a splitter to share that antenna with the SDR-IQ. Hope this helps. SDR-IQ runs perfectly well on an independent antenna and does not require an IF out with the set up as described. 73, John

--- In orion565@yahoogroups.com, "Rob - G4LMW" <G4LMW@...> wrote:
>
> Hi John
>
> But I thought that SDR_IQ worked from the IF output and the Orion doesn't
> have an IF output ..... does it?
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
>
>
>
> ----- Original Message -----
> From: "John" <k0ftc@...>
> To: <orion565@yahoogroups.com>
> Sent: Wednesday, January 20, 2010 1:12 AM
> Subject: [orion565] N4PY, SDR-IQ, CW Skimmer, Write Log, Rig Sync, Omni VII
> or Orion
>
>
> >I find some people are interested in knowing about what I have been doing
> >in getting CW Skimmer in this case, to work with what was my Omni VII and
> >is now my Orion II (works with both):
> >
> > If you would like to use CW Skimmer with your Omni VII or Orion and have
> > 48, 96 to 192 khz of bandwidth to view, you can do so with a SDR-IQ rcvr
> > (recently reviewed in QST). You can tie in a logging program as well(I
> > use WriteLog). The program that ties it all together is called RigSync
> > and is referenced in CW Skimmer's content files on 3rd Party Programs. I
> > use VSPE to emulate virtual ports.
> >
> > This is the way it works. I use N4PY's radio program and its transfer
> > file and 3rd Party logging utilities to run the radio. (Those directions
> > are in N4PY's help files). I run WriteLog and following N4PY's directions
> > tie that program to the radio program. I then start Skimmer, setting it
> > up as described and for the SDR-IQ rcvr. Then I run the RigSync program,

> > (directions to find that are in the CW help files) Once all programs are
> > up and running I hit the button "Sync" and "Skim" in RigSync and every
> > thing is tied together. So as you watch the Skimmer screen scroll and see
> > all the CW signals, and its program shows the calls on the margin, you
> > just click on either call or a signal on the screen and your computer and
> > logging program go to that call and freq.
> >
> > By the way, I use a computer lap top sound card, Creative Labs X-Fi for
> > the SDR-IQ.
> >
> > 73, John
> >
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> > Yahoo! Groups Links
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5820. Re: N4PY, SDR-IQ, CW Skimmer, Write Log, Rig Sync, Omni VII or Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-20 01:57:51 UTC
From: John
Topic: 5816 Message: 5820

That is right and thanks Barry. 73, john

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> On Wed, Jan 20, 2010 at 1:17 AM, Rob - G4LMW <G4LMW@...> wrote:
>
> > But I thought that SDR_IQ worked from the IF output and the Orion doesn't
> > have an IF output ..... does it?
>
> I just assumed he was feeding the SDR-IQ with an antenna and using it
> in parallel with the rig.
>
> 73,
> Barry N1EU
>

5821. Re: [orion565] Re: N4PY, SDR-IQ, CW Skimmer, Write Log, Rig Sync, Omni VII or Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-20 02:09:55 UTC
From: Rob - G4LMW
Topic: 5816 Message: 5821

Thanks for the explanation John.

I struggle to get my head round all this new technology!!

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "John" <k0ftc@...>
To: <orion565@yahoogroups.com>
Sent: Wednesday, January 20, 2010 1:47 AM
Subject: [orion565] Re: N4PY, SDR-IQ, CW Skimmer, Write Log, Rig Sync, Omni VII or Orion

> Rob, you can use any antenna with SDR-IQ. I use the same antenna I use
> for the RX only port on the radio. I use a 99' end fed long wire (made of
> coax with shield and braid connected) for my RX antenna. SDR-IQ is pretty
> robust, but I am worried about induction back into the RX when I transmit,
> so I use an ICE products RF limiter and then an ICE RX antenna splitter.
> When I was running the N4PY mod for the RX-320, I used a splitter to share
> that antenna with the SDR-IQ. Hope this helps. SDR-IQ runs perfectly
> well on an independent antenna and does not require an IF out with the set
> up as described. 73, John
>
> --- In orion565@yahoogroups.com, "Rob - G4LMW" <G4LMW@...> wrote:
>>
>> Hi John
>>
>> But I thought that SDR_IQ worked from the IF output and the Orion doesn't
>> have an IF output ..... does it?
>>
>> 73, Rob
>> G4LMW
>> http://www.G4LMW.co.uk
>>
>>
>>
>> ----- Original Message -----
>> From: "John" <k0ftc@...>
>> To: <orion565@yahoogroups.com>
>> Sent: Wednesday, January 20, 2010 1:12 AM
>> Subject: [orion565] N4PY, SDR-IQ, CW Skimmer, Write Log, Rig Sync, Omni
>> VII
>> or Orion

>>
>>
>> >I find some people are interested in knowing about what I have been
>> >doing
>> >in getting CW Skimmer in this case, to work with what was my Omni VII
>> >and
>> >is now my Orion II (works with both):
>> >
>> > If you would like to use CW Skimmer with your Omni VII or Orion and
>> > have
>> > 48, 96 to 192 khz of bandwidth to view, you can do so with a SDR-IQ
>> > rcvr
>> > (recently reviewed in QST). You can tie in a logging program as well(I
>> > use WriteLog). The program that ties it all together is called RigSync
>> > and is referenced in CW Skimmer's content files on 3rd Party Programs.
>> > I
>> > use VSPE to emulate virtual ports.
>> >
>> > This is the way it works. I use N4PY's radio program and its transfer
>> > file and 3rd Party logging utilities to run the radio. (Those
>> > directions
>> > are in N4PY's help files). I run WriteLog and following N4PY's
>> > directions
>> > tie that program to the radio program. I then start Skimmer, setting
>> > it
>> > up as described and for the SDR-IQ rcvr. Then I run the RigSync
>> > program,
>> > (directions to find that are in the CW help files) Once all programs
>> > are
>> > up and running I hit the button "Sync" and "Skim" in RigSync and every
>> > thing is tied together. So as you watch the Skimmer screen scroll and
>> > see
>> > all the CW signals, and its program shows the calls on the margin, you
>> > just click on either call or a signal on the screen and your computer
>> > and
>> > logging program go to that call and freq.
>> >
>> > By the way, I use a computer lap top sound card, Creative Labs X-Fi for
>> > the SDR-IQ.
>> >
>> > 73, John
>> >
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5822. Re: N4PY, SDR-IQ, CW Skimmer, Write Log, Rig Sync, Omni VII or Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-20 02:30:02 UTC
From: John
Topic: 5816 Message: 5822

I do too. And I mostly stumble around with trial and error until it works. :)

--- In orion565@yahoogroups.com, "Rob - G4LMW" <G4LMW@...> wrote:
>
> Thanks for the explanation John.
>
> I struggle to get my head round all this new technology!!
>
> 73, Rob
> G4LMW
> http://www.G4LMW.co.uk
>
>
>
> ----- Original Message -----
> From: "John" <k0ftc@...>
> To: <orion565@yahoogroups.com>
> Sent: Wednesday, January 20, 2010 1:47 AM
> Subject: [orion565] Re: N4PY, SDR-IQ, CW Skimmer, Write Log, Rig Sync, Omni
> VII or Orion
>
>
> > Rob, you can use any antenna with SDR-IQ. I use the same antenna I use
> > for the RX only port on the radio. I use a 99' end fed long wire (made of
> > coax with shield and braid connected) for my RX antenna. SDR-IQ is pretty
> > robust, but I am worried about induction back into the RX when I transmit,
> > so I use an ICE products RF limiter and then an ICE RX antenna splitter.
> > When I was running the N4PY mod for the RX-320, I used a splitter to share
> > that antenna with the SDR-IQ. Hope this helps. SDR-IQ runs perfectly
> > well on an independent antenna and does not require an IF out with the set
> > up as described. 73, John
> >
> > --- In orion565@yahoogroups.com, "Rob - G4LMW" <G4LMW@> wrote:
> >>
> >> Hi John
> >>
> >> But I thought that SDR_IQ worked from the IF output and the Orion doesn't
> >> have an IF output ..... does it?
> >>
> >> 73, Rob
> >> G4LMW
> >> http://www.G4LMW.co.uk
> >>
> >>
> >>

> >> ----- Original Message -----
> >> From: "John" <k0ftc@>
> >> To: <orion565@yahoogroups.com>
> >> Sent: Wednesday, January 20, 2010 1:12 AM
> >> Subject: [orion565] N4PY, SDR-IQ, CW Skimmer, Write Log, Rig Sync, Omni
> >> VII
> >> or Orion
> >>
> >>
> >> >I find some people are interested in knowing about what I have been
> >> >doing
> >> >in getting CW Skimmer in this case, to work with what was my Omni VII
> >> >and
> >> >is now my Orion II (works with both):
> >> >
> >> > If you would like to use CW Skimmer with your Omni VII or Orion and
> >> > have
> >> > 48, 96 to 192 khz of bandwidth to view, you can do so with a SDR-IQ
> >> > rcvr
> >> > (recently reviewed in QST). You can tie in a logging program as well(I
> >> > use WriteLog). The program that ties it all together is called RigSync
> >> > and is referenced in CW Skimmer's content files on 3rd Party Programs.
> >> > I
> >> > use VSPE to emulate virtual ports.
> >> >
> >> > This is the way it works. I use N4PY's radio program and its transfer
> >> > file and 3rd Party logging utilities to run the radio. (Those
> >> > directions
> >> > are in N4PY's help files). I run WriteLog and following N4PY's
> >> > directions
> >> > tie that program to the radio program. I then start Skimmer, setting
> >> > it
> >> > up as described and for the SDR-IQ rcvr. Then I run the RigSync
> >> > program,
> >> > (directions to find that are in the CW help files) Once all programs
> >> > are
> >> > up and running I hit the button "Sync" and "Skim" in RigSync and every
> >> > thing is tied together. So as you watch the Skimmer screen scroll and
> >> > see
> >> > all the CW signals, and its program shows the calls on the margin, you
> >> > just click on either call or a signal on the screen and your computer
> >> > and
> >> > logging program go to that call and freq.
> >> >
> >> > By the way, I use a computer lap top sound card, Creative Labs X-Fi for
> >> > the SDR-IQ.
> >> >
> >> > 73, John
> >> >
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5823. Autotuner on the ORION II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-23 00:58:19 UTC
From: Kevin
Topic: 5823 Message: 5823

I recently purchased the this radio and decided to get the auto-tuner. I installed it today according to the instructions provided. After the master reset I attempted to test the auto-tuner. I started on a band that I knew had an SWR of about 4 to 1. I press the tune button and the radio started clicking and attempting to reduce the mismatch. After a few seconds it stated on the screen that it had a 1:1 SWR match. I looked at my external meter and it still
stated that it was 4:1. I double checked the instructions and verified that I followed them correctly. Anyone have any ideas on why this would happen?

Please help...

5824. Re: [orion565] Autotuner on the ORION II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-23 01:08:21 UTC
From: Billy Cox
Topic: 5823 Message: 5824

Hi Kevin,

The internal tuner does not change the external SWR.

What it does is simply match that 4:1 SWR to the final
PA in the Orion II at the point just "inside" the rig
at the point where the tuner and the final PA connect.

The "screen reading" is on the rig side of the tuner, and
your "external meter" is on the output side of the tuner.

In summary, all is working there as it should, so have a
FB weekend and enjoy the new accessory to your Orion II.

73 de Billy, AA4NU

-----Original Message-----
>From: Kevin <w2fa.kgw@...>
>Sent: Jan 22, 2010 7:58 PM
>To: orion565@yahoogroups.com
>Subject: [orion565] Autotuner on the ORION II
>
>I recently purchased the this radio and decided to get the auto-tuner. I installed it today
>according to the instructions provided. After the master reset I attempted to test the auto-tuner. I started on a band that I knew had an SWR of about 4 to 1. I press the tune button and the radio started clicking and attempting to reduce the mismatch. After a few seconds it stated on the screen that it had a 1:1 SWR match. I looked at my external meter and it still
>stated that it was 4:1. I double checked the instructions and verified that I followed them correctly. Anyone have any ideas on why this would happen?
>
>Please help...

5825. Re: Autotuner on the ORION II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-23 01:25:43 UTC
From: Kevin
Topic: 5823 Message: 5825

Billy,

Thanks for the reply. I guess I was under the impression that like an external tuner after being manually tuned it would state a match of 1:1. But after thinking about it the antenna is always at the mismatch. The external and internal tuners a compensating. Thanks I guess it's been a long day.

73,
Kevin

--- In orion565@yahoogroups.com, Billy Cox <aa4nu@...> wrote:
>
> Hi Kevin,
>
> The internal tuner does not change the external SWR.
>
> What it does is simply match that 4:1 SWR to the final
> PA in the Orion II at the point just "inside" the rig
> at the point where the tuner and the final PA connect.
>
> The "screen reading" is on the rig side of the tuner, and
> your "external meter" is on the output side of the tuner.
>
> In summary, all is working there as it should, so have a
> FB weekend and enjoy the new accessory to your Orion II.
>
> 73 de Billy, AA4NU
>
>
> -----Original Message-----
> >From: Kevin <w2fa.kgw@...>
> >Sent: Jan 22, 2010 7:58 PM
> >To: orion565@yahoogroups.com
> >Subject: [orion565] Autotuner on the ORION II
> >
> >I recently purchased the this radio and decided to get the auto-tuner. I installed it today
> >according to the instructions provided. After the master reset I attempted to test the auto-tuner. I started on a band that I knew had an SWR of about 4 to 1. I press the tune button and the radio started clicking and attempting to reduce the mismatch. After a few seconds it stated on the screen that it had a 1:1 SWR match. I looked at my external meter and it still
> >stated that it was 4:1. I double checked the instructions and verified that I followed them correctly. Anyone have any ideas on why this would happen?
> >
> >Please help...

>

5826. Re: [orion565] Re: Autotuner on the ORION II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-23 03:45:24 UTC
From: David Y.
Topic: 5823 Message: 5826

Kevin,

I think you are still missing the point. Your SWR meter would have to be on the "rig side" of the tuner, even if you use an external tuner. If you use an external tuner, and put the SWR meter between the antenna and the tuner, it will still show the higher SWR. I think you can more or less trust the SWR indication on your Orion, since it is reading the SWR Between the PA and the internal ATU.

Dave W7AQK

----- Original Message -----
From: Kevin
To: orion565@yahoogroups.com
Sent: Friday, January 22, 2010 6:25 PM
Subject: [orion565] Re: Autotuner on the ORION II

Billy,

Thanks for the reply. I guess I was under the impression that like an external tuner after being manually tuned it would state a match of 1:1. But after thinking about it the antenna is always at the mismatch. The external and internal tuners a compensating. Thanks I guess it's been a long day.

73,
Kevin

--- In orion565@yahoogroups.com, Billy Cox <aa4nu@...> wrote:
>
> Hi Kevin,
>
> The internal tuner does not change the external SWR.
>
> What it does is simply match that 4:1 SWR to the final
> PA in the Orion II at the point just "inside" the rig
> at the point where the tuner and the final PA connect.
>
> The "screen reading" is on the rig side of the tuner, and
> your "external meter" is on the output side of the tuner.
>
> In summary, all is working there as it should, so have a
> FB weekend and enjoy the new accessory to your Orion II.
>
> 73 de Billy, AA4NU
>
>
> -----Original Message-----
> >From: Kevin <w2fa.kgw@...>

> >Sent: Jan 22, 2010 7:58 PM
> >To: orion565@yahoogroups.com
> >Subject: [orion565] Autotuner on the ORION II
> >
> >I recently purchased the this radio and decided to get the auto-tuner. I installed it today
> >according to the instructions provided. After the master reset I attempted to test the auto-tuner. I started on a band that I knew had an SWR of about 4 to 1. I press the tune button and the radio started clicking and attempting to reduce the mismatch. After a few seconds it stated on the screen that it had a 1:1 SWR match. I looked at my external meter and it still
> >stated that it was 4:1. I double checked the instructions and verified that I followed them correctly. Anyone have any ideas on why this would happen?
> >
> >Please help...
>

[Non-text portions of this message have been removed]

5827. 302R mode switch filter issue.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-23 10:07:04 UTC
From: b.beard62
Topic: 5827 Message: 5827

Hi,
I am a new Orion 2 owner. Most of my questions are easy to figure out with a bit of reading but now I am stumped.
The radio has 2.041XT firmware loaded.
My: issue: is as follows; when I change modes from the front panel the filter settings follow the settings last used on that mode. Example, 3000 bw LSB, 6000 bw AM, 1000 bw CW. when switching modes from the 302R the filters stay at the setting used on the band you started on. Example, CW bandwidth 500KHz switch to ssb using the remote and 500KHz follows. Ever try to listen to ssb filtered to 500KHz?
What am I missing?
Bruce

5828. Re: Autotuner on the ORION II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-23 12:21:15 UTC
From: Kevin
Topic: 5823 Message: 5828

Dave,

No I get it. I realized after post Bills post that the SWR does not change on the antenna. Thanks for reply.

73,
Kevin

--- In orion565@yahoogroups.com, "David Y." <w7aqk@...> wrote:
>
> Kevin,
>
> I think you are still missing the point. Your SWR meter would have to be on the "rig side" of the tuner, even if you use an external tuner. If you use an external tuner, and put the SWR meter between the antenna and the tuner, it will still show the higher SWR. I think you can more or less trust the SWR indication on your Orion, since it is reading the SWR Between the PA and the internal ATU.
>
> Dave W7AQK
>
>
> ----- Original Message -----
> From: Kevin
> To: orion565@yahoogroups.com
> Sent: Friday, January 22, 2010 6:25 PM
> Subject: [orion565] Re: Autotuner on the ORION II
>
>
>
> Billy,
>
> Thanks for the reply. I guess I was under the impression that like an external
> tuner after being manually tuned it would state a match of 1:1. But after thinking about it
> the antenna is always at the mismatch. The external and internal tuners a compensating.
> Thanks I guess it's been a long day.
>
> 73,
> Kevin
>
> --- In orion565@yahoogroups.com, Billy Cox <aa4nu@> wrote:
> >
> > Hi Kevin,
> >
> > The internal tuner does not change the external SWR.
> >

> > What it does is simply match that 4:1 SWR to the final
> > PA in the Orion II at the point just "inside" the rig
> > at the point where the tuner and the final PA connect.
> >
> > The "screen reading" is on the rig side of the tuner, and
> > your "external meter" is on the output side of the tuner.
> >
> > In summary, all is working there as it should, so have a
> > FB weekend and enjoy the new accessory to your Orion II.
> >
> > 73 de Billy, AA4NU
> >
> >
> > -----Original Message-----
> > >From: Kevin <w2fa.kgw@>
> > >Sent: Jan 22, 2010 7:58 PM
> > >To: orion565@yahoogroups.com
> > >Subject: [orion565] Autotuner on the ORION II
> > >
> > >I recently purchased the this radio and decided to get the auto-tuner. I installed it today
> > >according to the instructions provided. After the master reset I attempted to test the auto-tuner. I started on a band that I knew had an SWR of about 4 to 1. I press the tune button and the radio started clicking and attempting to reduce the mismatch. After a few seconds it stated on the screen that it had a 1:1 SWR match. I looked at my external meter and it still
> > >stated that it was 4:1. I double checked the instructions and verified that I followed them correctly. Anyone have any ideas on why this would happen?
> > >
> > >Please help...
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

5829. RE: [orion565] 302R mode switch filter issue.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-23 16:17:30 UTC
From: Duane Calvin
Topic: 5827 Message: 5829

The best approach is to start using the bandstacking registers to change modes and bands. I set one up for CW, one for PSK, one for RTTY and one for SSB on each band and just hit the band button until I get what I'm looking for.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of b.beard62
Sent: Saturday, January 23, 2010 4:07 AM
To: orion565@yahoogroups.com
Subject: [orion565] 302R mode switch filter issue.

Hi,
I am a new Orion 2 owner. Most of my questions are easy to figure out with a bit of reading but now I am stumped.
The radio has 2.041XT firmware loaded.
My: issue: is as follows; when I change modes from the front panel the filter settings follow the settings last used on that mode. Example, 3000 bw LSB, 6000 bw AM, 1000 bw CW.
when switching modes from the 302R the filters stay at the setting used on the band you started on. Example, CW bandwidth 500KHz switch to ssb using the remote and 500KHz follows. Ever try to listen to ssb filtered to 500KHz?
What am I missing?
Bruce

Yahoo! Groups Links

5830. Windows 7 Serial adapter

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-24 15:22:59 UTC
From: Earl
Topic: 5830 Message: 5830

Greetings,
My old serial adapter/USB does not work with windows 7.
Any help?
73's
Earl, K5FTE

5831. RE: [orion565] Windows 7 Serial adapter

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-24 16:06:40 UTC
From: John T. Fleming
Topic: 5830 Message: 5831

Earl,

If it is a Prolific chip set, there is a new set of drivers dated 11-24-09 on the Prolific website. It cured my problem.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Earl
Sent: Sunday, January 24, 2010 10:23 AM
To: orion565@yahoogroups.com
Subject: [orion565] Windows 7 Serial adapter

Greetings,
My old serial adapter/USB does not work with windows 7.
Any help?
73's
Earl, K5FTE

[Non-text portions of this message have been removed]

5832. RE: [orion565] Windows 7 Serial adapter

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-24 16:36:42 UTC
From: Wes Attaway (N5WA)
Topic: 5830 Message: 5832

The solution for many problems like yours is to look for new drivers. Most reputable manufacturers are putting out new drivers for Windows 7.

------------------ Wes Attaway (N5WA) ------------------

1138 Waters Edge Circle - Shreveport, LA 71106

318-797-4972 (office) - 318-393-3289 (cell)

Computer Consulting and Forensics

-------------- EnCase Certified Examiner ---------------

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Earl
Sent: Sunday, January 24, 2010 9:23 AM
To: orion565@yahoogroups.com
Subject: [orion565] Windows 7 Serial adapter

Greetings,
My old serial adapter/USB does not work with windows 7.
Any help?
73's
Earl, K5FTE

[Non-text portions of this message have been removed]

5833. Selling my ORION II AT

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-24 23:26:29 UTC
From: ranges_2001
Topic: 5833 Message: 5833

Hello

I am selling my ORION II with auto tuner to try another radio. Will probably regret it but enjoy trying different radios. It has the auto tuner, 1.8 filter, fan and speaker. Accessory bag complete and original packaging. The radio stays covered. The cover is included. I am the second owner of the transceiver. The radio is in excellent condition. I do not have the box for speaker. I purchased it from someone on QTH. I will be away for the next several days but will be glade to supply photos and serial number when I get back in. $2,800 shipped.

Thanks, Randy/N4JZY

5834. Re: Windows 7 Serial adapter

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-25 02:11:39 UTC
From: Earl
Topic: 5830 Message: 5834

John,
I'm sorry but I just don't understand. I need a plug and play unit I can order. Ihave a Dell with windows 7 64bit.
Regards.
Earl,
K5FTE

--- In orion565@yahoogroups.com, "John T. Fleming" <john@...> wrote:
>
> Earl,
>
>
>
> If it is a Prolific chip set, there is a new set of drivers dated 11-24-09
> on the Prolific website. It cured my problem.
>
>
>
> 73,
>
> John
>
>
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Earl
> Sent: Sunday, January 24, 2010 10:23 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Windows 7 Serial adapter
>
>
>
>
>
>
> Greetings,
> My old serial adapter/USB does not work with windows 7.
> Any help?
> 73's
> Earl, K5FTE
>
>
>
> [Non-text portions of this message have been removed]

>

5835. RE: [orion565] Re: Windows 7 Serial adapter

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-25 02:55:04 UTC
From: John T. Fleming
Topic: 5830 Message: 5835

Earl,

If you already have a USB to serial adapter, go to Device Manager in the control panel and see if it shows up as a Prolific chip set. If it does not recognize the USB adapter, plug it into an older PC with XP and see if it is the Prolific chip set. If it is, go to the Prolific web site and download the free driver for Windows 7. If you have a Belkins USB adapter as I have on my XP machine, Belkins is not writing a 64 bit driver for the model I have.

Prolific is the maker of the chips inside the USB to serial adapter. I hope this makes more sense.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Earl
Sent: Sunday, January 24, 2010 9:12 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Windows 7 Serial adapter

John,
I'm sorry but I just don't understand. I need a plug and play unit I can order. Ihave a Dell with windows 7 64bit.
Regards.
Earl,
K5FTE

--- In orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com, "John T. Fleming" <john@...> wrote:
>
> Earl,
>
>
>
> If it is a Prolific chip set, there is a new set of drivers dated 11-24-09
> on the Prolific website. It cured my problem.
>
>
>
> 73,
>
> John

>
>
>
> _____
>
> From: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
[mailto:orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com] On
Behalf
> Of Earl
> Sent: Sunday, January 24, 2010 10:23 AM
> To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> Subject: [orion565] Windows 7 Serial adapter
>
>
>
>
>
> Greetings,
> My old serial adapter/USB does not work with windows 7.
> Any help?
> 73's
> Earl, K5FTE

[Non-text portions of this message have been removed]

5836. Re: For Sale Orion 565 AT (LDG OT-11P) plus extras

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-25 18:26:02 UTC
From: rc143dr
Topic: 5815 Message: 5836

The radio has been sold.

--- In orion565@yahoogroups.com, "rc143dr" <rc143dr@...> wrote:
>
> Hello I am offering my Orion 565 for sale:
>
> Orion I (565), from a smoke-free shack, with the following extras: 1.8 SSB roofing filter, new style rubber grips on both vfo's, cooling fan, Model 302 Remote tuning Pod, 705 desk mic, matching 307 Ten Tec speaker, power cord, original manual, internal LDG antenna (OT-11P) made specifically for the Orion, and original box (for transceiver only). Has the version 2 sweep hardware update.
>
> Cosmetically I did discover one slight scratch on the top right corner that had been touched up and a few light scratches on the bottom of the unit out of view that I hadn't noticed before.
>
> I am asking $1975.00 includes shipping and insurance, CONUS only. USPS money order or PAYPAL.
>
> If interested, please contact me off list.
>
> Thanks for reading this and 73.
>
> Roger (N3AYY)
>

5837. Re: [orion565] Autotuner on the ORION II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-26 09:19:31 UTC
From: AOR UK LTD
Topic: 5823 Message: 5837

You external meter is now the wrong side of the auto tuner so is
meaningless. If it has clicked and tuned and shows a good VSWR
(internally), it is working!

Regards, Richard

In message <hjdhjb+nnld@...>, Kevin <w2fa.kgw@...> writes
>
>
>I recently purchased the this radio and decided to get the auto-tuner. I
>installed it today
>according to the instructions provided. After the master reset I attempted
>to test the auto-tuner. I started on a band that I knew had an SWR of
>about 4 to 1. I press the tune button and the radio started clicking and
>attempting to reduce the mismatch. After a few seconds it stated on the
>screen that it had a 1:1 SWR match. I looked at my external meter and it
>still
>stated that it was 4:1. I double checked the instructions and verified that I
>followed them correctly. Anyone have any ideas on why this would
>happen?
--
AOR UK, Unit 9 Dimple Road Business Centre, Matlock, Derbys DE4 3JX, England
Tel: 01629 581222 International +44 1629 581222
Fax: 01629 580070 International +44 1629 580070
info@... http://www.aoruk.com

5838. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-27 11:37:00 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5838

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap AGC program/orion AGC macro.zip
Uploaded by : pa1ap <pa1ap@...>
Description : Orion AGC program, use at own risk

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion%20AGC%20macro.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5839. Re: New file uploaded to orion565 (Orion AGC Macro)

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-27 12:54:52 UTC
From: pa1ap
Topic: 222 Message: 5839

Please note that usage is entirely at your own risk.

Following BETA testing with a couple of people (thank you all!), confirmed to be working fine on windows Xp & Vista but windows 7 is pending confirmation. I have now uploaded the AGC macro program to this forum.

Installation:
1) unzip the package and click on setup.exe
2) during installation it will check if all windows components are present and if not it will prompt you to download them. Installation of those components is required.
3) after the component installation / check the actual program will be installed (only 900Kbyte)
4) after program installed, it will start. It will also include a shortcut on your desktop as well create a program menu entry called pa1ap.

Usage:
1) after start, you will first need to connect to the orion. Upper left corner provides selection of the com ports, select the one you use and click on connect. If connection is correct, the CTS icon will turn green. If not, all buttons will remain grey as well CTS will turn red.
2) For general info, click on the Concepts tab for some background information. I have done my best to describe the mechanism as far as I understand it to work. If something is wrong, please comment!
3) Usage is very simple for the remainder of the functions within the AGC macro tab, below some general information;

GREEN AREA:
a) all buttons in the green area are connecting to the AGC prog mode
b) the macro buttons are nothing more then shortcuts to optimized RF Gain and Threshold values for a given S-meter reading on the main receiver. When you push one of them, you will see the Rf Gain & Threshold fields display those values
c) in case you want to exclude either threshold or rf gain from changing, unselect one of them (little select area above the display fields)
d) if you want to tweak the threshold value, click on plus / minus button. right now the program will not "remember" the tweak.
e) ATTN and Decay are also connecting to the AGC prog mode
f) click on Default RF Gain or Default Threshold and AGC prog will be put back to factory mode, except for Decay value.
g) depending on orion firmware, the default threshold value is 1 or 3. You can match the factory default value using the small numeric scroll window.

DARK GREY AREA:

a) all buttons in the dark grey area are connecting to the remaining AGC modes, such as fast, medium, slow and off
b) by default when you push one of the AGC modes, the program will return ATTN and RF Gain

to default. This allows quick comparison between AGC prog setting and factory default setting.
c) if you unselect them, ATTN and/or RF Gain will follow whatever the values are within AGC prog mode
d) you can also select Decay & Threshold to be put back to default again bu selecting the appropriate selectors

GENERAL USAGE, "you might notice":

1) that all buttons are grey when not connected to Orion, this is as designed
2) that all AGC prog buttons grey out (except for prog) when you select one of the other AGC buttons, this is as designed
3) that whatever button you push, this will be indicated by a yellow background
4) there is a Sliders tab which allows you to adjust RF Gain / Threshold very quickly. But only when you have clicked on the selector buttons at the right hand. Also, when you go back to AGC macro and click on any AGC button, the sliders will be made inactive again
5) there is a terminal window which allows playing around with serial command / buttons. Its there if you need it.

SCREEN SIZE:
1) default the program starts with full control window. Big and ugly, but it works.
2) Upper right corner there is a minimize button which will make it a lot smaller. Perhaps still ugly but it works.

VIDEO:
If you like to see/hear a video, do a search on youtube for pa1ap. You should find three video's which cover the original program.

COMMENTS / FEEDBACK:
Please share your experience with the group and possible improvements to be included in future. I am working on the next version which incorporates write & read functions as well automatic adjustments to AGC modes.

Thanks and best regards,
Onno, pa1ap

--- In orion565@yahoogroups.com, orion565@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the orion565
> group.
>
> File : /pa1ap AGC program/orion AGC macro.zip
> Uploaded by : pa1ap <pa1ap@...>
> Description : Orion AGC program, use at own risk
>
> You can access this file at the URL:
>
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion%20AGC%20macro.zip
>

> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles
>
> Regards,
>
> pa1ap <pa1ap@...>
>

5840. Re: [orion565] Re: New file uploaded to orion565 (Orion AGC Macro)

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-27 13:19:01 UTC
From: Barry N1EU
Topic: 222 Message: 5840

Onno, what version of Orion firmware does your software work best with?
What problem are you hoping to solve with the software?

I ask because I use v1.373b5 and simply adjust RF Gain and don't touch AGC Threshold (leave it at 1uV) - v1.372/1.373 firmware internally sets Threshold dynamically based on RF Gain setting and works quite well. I understand that v2 firmware requires more care in setting RF Gain and AGC.

73,
Barry N1EU

On Wed, Jan 27, 2010 at 12:54 PM, pa1ap <pa1ap@...> wrote:

>
>
> Please note that usage is entirely at your own risk.
>
> Following BETA testing with a couple of people (thank you all!), confirmed
> to be working fine on windows Xp & Vista but windows 7 is pending
> confirmation. I have now uploaded the AGC macro program to this forum.
>
> Installation:
> 1) unzip the package and click on setup.exe
> 2) during installation it will check if all windows components are present
> and if not it will prompt you to download them. Installation of those
> components is required.
> 3) after the component installation / check the actual program will be
> installed (only 900Kbyte)
> 4) after program installed, it will start. It will also include a shortcut
> on your desktop as well create a program menu entry called pa1ap.
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> Usage:
> 1) after start, you will first need to connect to the orion. Upper left
> corner provides selection of the com ports, select the one you use and click
> on connect. If connection is correct, the CTS icon will turn green. If not,
> all buttons will remain grey as well CTS will turn red.
> 2) For general info, click on the Concepts tab for some background
> information. I have done my best to describe the mechanism as far as I
> understand it to work. If something is wrong, please comment!
> 3) Usage is very simple for the remainder of the functions within the AGC
> macro tab, below some general information;
>
> GREEN AREA:
> a) all buttons in the green area are connecting to the AGC prog mode
> b) the macro buttons are nothing more then shortcuts to optimized RF Gain
> and Threshold values for a given S-meter reading on the main receiver. When

> you push one of them, you will see the Rf Gain & Threshold fields display
> those values
> c) in case you want to exclude either threshold or rf gain from changing,
> unselect one of them (little select area above the display fields)
> d) if you want to tweak the threshold value, click on plus / minus button.
> right now the program will not "remember" the tweak.
> e) ATTN and Decay are also connecting to the AGC prog mode
> f) click on Default RF Gain or Default Threshold and AGC prog will be put
> back to factory mode, except for Decay value.
> g) depending on orion firmware, the default threshold value is 1 or 3. You
> can match the factory default value using the small numeric scroll window.
>
> DARK GREY AREA:
>
> a) all buttons in the dark grey area are connecting to the remaining AGC
> modes, such as fast, medium, slow and off
> b) by default when you push one of the AGC modes, the program will return
> ATTN and RF Gain to default. This allows quick comparison between AGC prog
> setting and factory default setting.
> c) if you unselect them, ATTN and/or RF Gain will follow whatever the
> values are within AGC prog mode
> d) you can also select Decay & Threshold to be put back to default again bu
> selecting the appropriate selectors
>
> GENERAL USAGE, "you might notice":
>
> 1) that all buttons are grey when not connected to Orion, this is as
> designed
> 2) that all AGC prog buttons grey out (except for prog) when you select one
> of the other AGC buttons, this is as designed
> 3) that whatever button you push, this will be indicated by a yellow
> background
> 4) there is a Sliders tab which allows you to adjust RF Gain / Threshold
> very quickly. But only when you have clicked on the selector buttons at the
> right hand. Also, when you go back to AGC macro and click on any AGC button,
> the sliders will be made inactive again
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> command / buttons. Its there if you need it.
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> SCREEN SIZE:
> 1) default the program starts with full control window. Big and ugly, but
> it works.
> 2) Upper right corner there is a minimize button which will make it a lot
> smaller. Perhaps still ugly but it works.
>
> VIDEO:
> If you like to see/hear a video, do a search on youtube for pa1ap. You
> should find three video's which cover the original program.
>
> COMMENTS / FEEDBACK:

> Please share your experience with the group and possible improvements to be
> included in future. I am working on the next version which incorporates
> write & read functions as well automatic adjustments to AGC modes.
>
> Thanks and best regards,
> Onno, pa1ap
>
> --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>,
> orion565@yahoogroups.com <orion565%40yahoogroups.com> wrote:
> >
> >
> > Hello,
> >
> > This email message is a notification to let you know that
> > a file has been uploaded to the Files area of the orion565
> > group.
> >
> > File : /pa1ap AGC program/orion AGC macro.zip
> > Uploaded by : pa1ap <pa1ap@...>
> > Description : Orion AGC program, use at own risk
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> > You can access this file at the URL:
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>
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion%20AGC%20macro.zip
> >
> > To learn more about file sharing for your group, please visit:
> >
> http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles
> >
> > Regards,
> >
> > pa1ap <pa1ap@...>
> >
>
>
>

[Non-text portions of this message have been removed]

5841. Re: New file uploaded to orion565 (Orion AGC Macro)

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-27 13:45:33 UTC
From: pa1ap
Topic: 222 Message: 5841

Hello Barry,

So far it has been tested on Orion 566 and 565 and it improved / simplified the user interface towards agc. Also tested on both firmware 1 and 2.

I have used the program on 1372 amongst other fw and find the combination of threshold and rf gain to be an enhancement. With just RF Gain I am not getting the same results, also when using 1372.

The program allows an easy comparison for the operator. You can quickly do an A/B test, include or exclude RF Gain / Threshold / ATTN etc.

The program does not (not do I) pretend to solve a problem within the Orion, it just allows the operator to have a friendly interface with s-meter associated macro buttons (as well some other options).

Hope above helps,

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Onno, what version of Orion firmware does your software work best with?
> What problem are you hoping to solve with the software?
>
> I ask because I use v1.373b5 and simply adjust RF Gain and don't touch AGC
> Threshold (leave it at 1uV) - v1.372/1.373 firmware internally sets
> Threshold dynamically based on RF Gain setting and works quite well. I
> understand that v2 firmware requires more care in setting RF Gain and AGC.
>
> 73,
> Barry N1EU
>
> On Wed, Jan 27, 2010 at 12:54 PM, pa1ap <pa1ap@...> wrote:
>
> > >
> > >
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> > > Following BETA testing with a couple of people (thank you all!), confirmed
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> >
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> > you push one of them, you will see the Rf Gain & Threshold fields display
> > those values
> > c) in case you want to exclude either threshold or rf gain from changing,
> > unselect one of them (little select area above the display fields)
> > d) if you want to tweak the threshold value, click on plus / minus button.
> > right now the program will not "remember" the tweak.
> > e) ATTN and Decay are also connecting to the AGC prog mode
> > f) click on Default RF Gain or Default Threshold and AGC prog will be put
> > back to factory mode, except for Decay value.
> > g) depending on orion firmware, the default threshold value is 1 or 3. You
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> > d) you can also select Decay & Threshold to be put back to default again bu
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> > of the other AGC buttons, this is as designed
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> > background
> > 4) there is a Sliders tab which allows you to adjust RF Gain / Threshold
> > very quickly. But only when you have clicked on the selector buttons at the
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> > the sliders will be made inactive again
> > 5) there is a terminal window which allows playing around with serial
> > command / buttons. Its there if you need it.
> >
> > SCREEN SIZE:
> > 1) default the program starts with full control window. Big and ugly, but
> > it works.
> > 2) Upper right corner there is a minimize button which will make it a lot
> > smaller. Perhaps still ugly but it works.
> >
> > VIDEO:
> > If you like to see/hear a video, do a search on youtube for pa1ap. You
> > should find three video's which cover the original program.
> >
> > COMMENTS / FEEDBACK:
> > Please share your experience with the group and possible improvements to be
> > included in future. I am working on the next version which incorporates
> > write & read functions as well automatic adjustments to AGC modes.
> >
> > Thanks and best regards,
> > Onno, pa1ap
> >
> > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>,
> > orion565@yahoogroups.com <orion565%40yahoogroups.com> wrote:
> > >
> > >
> > > Hello,
> > >
> > > This email message is a notification to let you know that
> > > a file has been uploaded to the Files area of the orion565
> > > group.
> > >
> > > File : /pa1ap AGC program/orion AGC macro.zip
> > > Uploaded by : pa1ap <pa1ap@>
> > > Description : Orion AGC program, use at own risk
> > >
> > > You can access this file at the URL:
> > >
> >
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion%20AGC%20macro.zip
> > >
> > > To learn more about file sharing for your group, please visit:
> > >
> > http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

> > >
> > > Regards,
> > >
> > > pa1ap <pa1ap@>
> > >
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

5842. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-27 14:02:31 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5842

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap AGC program/Orion AGC macro.zip
Uploaded by : pa1ap <pa1ap@...>
Description : ORION AGC macro: sorry just realized I compiled as debug release.

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/Orion%20AGC%20macro.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5843. RE: [orion565] Digest Number 1392 USB-Serial adapters

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-28 16:03:14 UTC
From: Bill Axelrod
Topic: 5843 Message: 5843

This thread discussed USB to RS232 serial adapters and specifically those with the Prolific chip set. I am using one with Windows XP which works well.

I would like to run a second adapter on the same computer but don't know how. Any hints?

Thanks and 73... Bill ND9E

[Non-text portions of this message have been removed]

5844. RE: [orion565] Digest Number 1392 USB-Serial adapters

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-28 16:19:08 UTC
From: John T. Fleming
Topic: 5843 Message: 5844

Bill,

Plug in the USB adapter to another USB Port. Go to Start and Right Click on My Computer. Click on Properties and then Device Manager. In Device manager, you will see Ports. Click on it and it will tell you the Port numbers assigned to the USB adapters. Then in your program, select the port number for the program. If you move the USB adapter to a different USB port, the port number will change.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Bill Axelrod
Sent: Thursday, January 28, 2010 11:03 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Digest Number 1392 USB-Serial adapters

This thread discussed USB to RS232 serial adapters and specifically those with the Prolific chip set. I am using one with Windows XP which works well.

I would like to run a second adapter on the same computer but don't know how. Any hints?

Thanks and 73... Bill ND9E

[Non-text portions of this message have been removed]

5845. Re: [orion565] Digest Number 1392 USB-Serial adapters

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-28 16:31:23 UTC
From: Martin Ewing
Topic: 5843 Message: 5845

Or switch to Linux, plug it in and it just works!

Sorry, couldn't resist.

73 Martin AA6E

On Thu, Jan 28, 2010 at 11:19 AM, John T. Fleming <john@...> wrote:

> Bill,
>
>
>
> Plug in the USB adapter to another USB Port. Go to Start and Right Click on
> My Computer. Click on Properties and then Device Manager. In Device
> manager,
> you will see Ports. Click on it and it will tell you the Port numbers
> assigned to the USB adapters. Then in your program, select the port number
> for the program. If you move the USB adapter to a different USB port, the
> port number will change.
>
>
>
> 73,
>
> John
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Bill Axelrod
> Sent: Thursday, January 28, 2010 11:03 AM
> To: orion565@yahoogroups.com
> Subject: RE: [orion565] Digest Number 1392 USB-Serial adapters
>
>
>
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>
>
> This thread discussed USB to RS232 serial adapters and specifically those
> with the Prolific chip set. I am using one with Windows XP which works
> well.
>
> I would like to run a second adapter on the same computer but don't know
> how. Any hints?
>
> Thanks and 73... Bill ND9E

>
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>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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Dr. Martin S. Ewing, AA6E
Member IEEE, URSI, AAS, ARRL
Branford, Connecticut

[Non-text portions of this message have been removed]

5846. RE: [orion565] Digest Number 1392 USB-Serial adapters

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-28 19:28:47 UTC
From: John T. Fleming
Topic: 5843 Message: 5846

Martin,

Is Linux intelligent enough to know which USB adapter belongs to which program? Is the little Penguin inside the box doing your thinking for you? :-}

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Martin Ewing
Sent: Thursday, January 28, 2010 11:31 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Digest Number 1392 USB-Serial adapters

Or switch to Linux, plug it in and it just works!

Sorry, couldn't resist.

73 Martin AA6E

On Thu, Jan 28, 2010 at 11:19 AM, John T. Fleming <john@... <mailto:john%40w3gqj.net> > wrote:

> Bill,
>
>
>
> Plug in the USB adapter to another USB Port. Go to Start and Right Click on
> My Computer. Click on Properties and then Device Manager. In Device
> manager,
> you will see Ports. Click on it and it will tell you the Port numbers
> assigned to the USB adapters. Then in your program, select the port number
> for the program. If you move the USB adapter to a different USB port, the
> port number will change.
>
>
>
> 73,
>
> John
>
>
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
Behalf
> Of Bill Axelrod
> Sent: Thursday, January 28, 2010 11:03 AM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: RE: [orion565] Digest Number 1392 USB-Serial adapters
>
>
>
>
>
> This thread discussed USB to RS232 serial adapters and specifically those
> with the Prolific chip set. I am using one with Windows XP which works
> well.
>
> I would like to run a second adapter on the same computer but don't know
> how. Any hints?
>
> Thanks and 73... Bill ND9E
>
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>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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Dr. Martin S. Ewing, AA6E
Member IEEE, URSI, AAS, ARRL
Branford, Connecticut

[Non-text portions of this message have been removed]

5847. Re: [orion565] Digest Number 1392 USB-Serial adapters

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-28 20:16:22 UTC
From: Martin Ewing
Topic: 5843 Message: 5847

A little trial and error goes a long way. The penguin normally comes up
with the same device address assignments each time, but you have to figure
out which is which - /dev/ttyUSB0, /dev/ttyUSB1 etc.

73 Martin AA6E

On Thu, Jan 28, 2010 at 2:28 PM, John T. Fleming <john@...> wrote:

> Martin,
>
>
>
> Is Linux intelligent enough to know which USB adapter belongs to which
> program? Is the little Penguin inside the box doing your thinking for you?
> :-}
>
>
>
> 73,
>
> John
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Martin Ewing
> Sent: Thursday, January 28, 2010 11:31 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Digest Number 1392 USB-Serial adapters
>
>
>
>
>
> Or switch to Linux, plug it in and it just works!
>
> Sorry, couldn't resist.
>
> 73 Martin AA6E
>
>

[Non-text portions of this message have been removed]

5848. Re: [orion565] Digest Number 1392 USB-Serial adapters

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-28 21:24:33 UTC
From: Martin
Topic: 5843 Message: 5848

John T. Fleming napsal(a):
> Martin,
>
>
>
> Is Linux intelligent enough to know which USB adapter belongs to which
> program? Is the little Penguin inside the box doing your thinking for you?
> :-}
>
>
>
> 73,
>
> John

You bet!

73
Martin, OK1RR

5849. Orion 565 For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-28 22:53:39 UTC
From: dwfearn1
Topic: 5849 Message: 5849

Orion 565 for sale.

Orion I s/n 10C10452 original owner, always in a non-smoking climate-controlled environment. Includes 500Hz filter, and LDG OT-11P internal autotuner. Hardware sweep mod, new style rubber rings on tuning knobs. Currently with 2062A firmware. Includes all original manuals and two power cords, and original shipping box. In excellent condition. I'm selling it because I was only on the air three times in the past year and it seems a shame for this wonderful rig to go unused.

$1900, which includes UPS ground shipping to CONUS.

Photos and full details at www.dwfearn.com/orion.html

Doug K3KW

5850. Using multiple programs on the same (physical) serial port

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-30 15:34:28 UTC
From: pa1ap
Topic: 5850 Message: 5850

Greetings,

I got a couple of questions about the challenge with any device which has only one physical serial port. With standard windows environment this means only one application / program can use this port.

When using logging programs, control programs and perhaps the small macro program at the same time this causes a conflikt during operations (windows does not allow multiple programs to claim the same physical port).

For this there are so called virtual serial port emulators which allow you to create a virtual serial port to be used by the logging programs etc. and this piece of software will proxy all read/write towards the real serial port.

This way you can use all programs at the same time, controlling the orion through serial port and not have a conflikt. One example can be found on
http://www.eterlogic.com/Products.VSPE.html

Its for free and works like a charm.

The procedure to use is simple;

1) when you have started the program, click on device
2) click on create
3) select "splitter"
4) pick a non existing virtual serial port, for example com10
5) select the real serial port (as example com1)
6) for real serial port click on settings and adjust baudrate etc. to match what the orion expects; 57600, DTR/RTS YES and then ok.
7) everything else as it is...

8) then start the emulation by clicking on the green "play button"
9) all programs / applications should now be directed to use com10 (the virtual port)

Thats all whats needed and It works excellent on my computer.

Hope this helps, best regards,
Onno pa1ap

5851. Re: [orion565] Using multiple programs on the same (physical) serial port

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-30 16:14:55 UTC
From: Martin Ewing
Topic: 5850 Message: 5851

This approach may work for your needs, but it may fail under certain conditions - eg, if the programs in question step on each other by issuing commands at almost the same time. You really need a software layer that "serializes" the access by allowing one command (typically sending a command and receiving a response) to complete before starting another. You need some intelligence there that knows what a complete rig exchange is supposed to look like.

On the other hand if you're just doing casual polling for your logger, etc., the chance of a collision is not too high -- and if there is an occasional glitch, generally no harm is done.

73 Martin AA6E

On Sat, Jan 30, 2010 at 10:34 AM, pa1ap <pa1ap@...> wrote:

> Greetings,
>
> I got a couple of questions about the challenge with any device which has
> only one physical serial port. With standard windows environment this means
> only one application / program can use this port.
>
> When using logging programs, control programs and perhaps the small macro
> program at the same time this causes a conflikt during operations (windows
> does not allow multiple programs to claim the same physical port).
>
> For this there are so called virtual serial port emulators which allow you
> to create a virtual serial port to be used by the logging programs etc. and
> this piece of software will proxy all read/write towards the real serial
> port.
>
> This way you can use all programs at the same time, controlling the orion
> through serial port and not have a conflikt. One example can be found on
> http://www.eterlogic.com/Products.VSPE.html
>
> Its for free and works like a charm.
>
> The procedure to use is simple;
>
> 1) when you have started the program, click on device
> 2) click on create
> 3) select "splitter"
> 4) pick a non existing virtual serial port, for example com10
> 5) select the real serial port (as example com1)
> 6) for real serial port click on settings and adjust baudrate etc. to match
> what the orion expects; 57600, DTR/RTS YES and then ok.

> 7) everything else as it is...
>
> 8) then start the emulation by clicking on the green "play button"
> 9) all programs / applications should now be directed to use com10 (the
> virtual port)
>
> Thats all whats needed and It works excellent on my computer.
>
> Hope this helps, best regards,
> Onno pa1ap
>
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> Yahoo! Groups Links
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Dr. Martin S. Ewing, AA6E
Member IEEE, URSI, AAS, ARRL
Branford, Connecticut

[Non-text portions of this message have been removed]

5852. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-30 16:15:17 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5852

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap AGC program/Orion AGC macro 1004.zip
Uploaded by : pa1ap <pa1ap@...>
Description : new version with RF Gain & Threshold sliders for quick adjustment. Not fully tested yet but so far it works.

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/Orion%20AGC%20macro%201004.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5853. Re: Using multiple programs on the same (physical) serial port

Yahoo group: orion565 (2009 — 2013)
Date: 2010-01-30 17:31:46 UTC
From: pa1ap
Topic: 5850 Message: 5853

Hello Martin,

I understand your concerns and appreciate the model of hamlib and similar software layer approaches. My suggestion might not be as perfect but then again many things in life are less then perfect.

On the virtual port program;

It seems the proxy utilizes a source switch table and commands send by applications follow store and forward mechanism. After a command is forwarded a small delay is introduced before picking up the next command to be send. In case the orion returns information, the switch table will lock until no bytes are received anymore for a period of time. In case the orion would have a function which repeats transmision on its own towards an application this might brake the mechanism but this is not the case for orion. If the applications have a poll function, their commands will be stored prior to forwarding them and if the application has a watch dog mechanism, the application might time-out if there is a huge amount of stuff being stored (delayed) within the proxy.

73, onno pa1ap

--- In orion565@yahoogroups.com, Martin Ewing <martin.s.ewing@...> wrote:
>
> This approach may work for your needs, but it may fail under certain
> conditions - eg, if the programs in question step on each other by issuing
> commands at almost the same time. You really need a software layer that
> "serializes" the access by allowing one command (typically sending a command
> and receiving a response) to complete before starting another. You need
> some intelligence there that knows what a complete rig exchange is supposed
> to look like.
>
> On the other hand if you're just doing casual polling for your logger, etc.,
> the chance of a collision is not too high -- and if there is an occasional
> glitch, generally no harm is done.
>
> 73 Martin AA6E
>
> On Sat, Jan 30, 2010 at 10:34 AM, pa1ap <pa1ap@...> wrote:
>
> > Greetings,
> >
> > I got a couple of questions about the challenge with any device which has
> > only one physical serial port. With standard windows environment this means
> > only one application / program can use this port.
> >
> > When using logging programs, control programs and perhaps the small macro
> > program at the same time this causes a conflikt during operations (windows

> > does not allow multiple programs to claim the same physical port).
> >
> > For this there are so called virtual serial port emulators which allow you
> > to create a virtual serial port to be used by the logging programs etc. and
> > this piece of software will proxy all read/write towards the real serial
> > port.
> >
> > This way you can use all programs at the same time, controlling the orion
> > through serial port and not have a conflikt. One example can be found on
> > http://www.eterlogic.com/Products.VSPE.html
> >
> > Its for free and works like a charm.
> >
> > The procedure to use is simple;
> >
> > 1) when you have started the program, click on device
> > 2) click on create
> > 3) select "splitter"
> > 4) pick a non existing virtual serial port, for example com10
> > 5) select the real serial port (as example com1)
> > 6) for real serial port click on settings and adjust baudrate etc. to match
> > what the orion expects; 57600, DTR/RTS YES and then ok.
> > 7) everything else as it is...
> >
> > 8) then start the emulation by clicking on the green "play button"
> > 9) all programs / applications should now be directed to use com10 (the
> > virtual port)
> >
> > Thats all whats needed and It works excellent on my computer.
> >
> > Hope this helps, best regards,
> > Onno pa1ap
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> > Yahoo! Groups Links
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> --
> Dr. Martin S. Ewing, AA6E
> Member IEEE, URSI, AAS, ARRL
> Branford, Connecticut
>
>
> [Non-text portions of this message have been removed]
>

5854. dsp upgrade--??

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-01 16:30:43 UTC
From: Neil M Barrowman
Topic: 5854 Message: 5854

looking at my orion 02 screen----I read version 2.039d-then
dsp2.0614
does this mean that the dsp "package" can be" upgraded "
by "download "separately from the 2.039d software? and is there such a download available
or imminent? or even --likely? regards neil GM0LTQ

[Non-text portions of this message have been removed]

5855. Re: [orion565] dsp upgrade--??

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-01 17:57:54 UTC
From: Alan Sewell N5NA
Topic: 5854 Message: 5855

No, the DSP is part of the whole firmware package. No one knows if,
when, or how likely a firmware upgrade will be released. However, the
guy who was writing the firmware recently left Ten-Tec but is supposedly
continuing to write software for Ten-Tec.

Alan N5NA

Neil M Barrowman wrote:
> looking at my orion 02 screen----I read version 2.039d-then
> dsp2.0614
> does this mean that the dsp "package" can be" upgraded "
> by "download "separately from the 2.039d software? and is there such a download available
or imminent? or even --likely? regards neil GM0LTQ
>
>

5856. RE: [orion565] dsp upgrade--??

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-01 20:13:55 UTC
From: Andrew B. Steen
Topic: 5854 Message: 5856

Good luck with that! Scott just bought Vibroplex, and I think he will be too busy to write any software for his former employer.

Andrew K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Alan Sewell N5NA
Sent: Monday, February 01, 2010 9:58 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] dsp upgrade--??

No, the DSP is part of the whole firmware package. No one knows if, when, or how likely a firmware upgrade will be released. However, the guy who was writing the firmware recently left Ten-Tec but is supposedly continuing to write software for Ten-Tec.

Alan N5NA

Neil M Barrowman wrote:
> looking at my orion 02 screen----I read version 2.039d-then
> dsp2.0614
> does this mean that the dsp "package" can be" upgraded "
> by "download "separately from the 2.039d software? and is there such a download available or imminent? or even --likely? regards neil GM0LTQ
>
>

[Non-text portions of this message have been removed]

5857. Re: [orion565] dsp upgrade--??

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-01 20:25:41 UTC
From: Alan Sewell N5NA
Topic: 5854 Message: 5857

Scott didn't write the Orion software. I was referring to Gary Barbour, AC4DL.

Alan N5NA

Andrew B. Steen wrote:
> Good luck with that! Scott just bought Vibroplex, and I think he will be
> too busy to write any software for his former employer.
>
> Andrew K6STN
>
>
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Alan Sewell N5NA
> Sent: Monday, February 01, 2010 9:58 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] dsp upgrade--??
>
>
>
>
>
> No, the DSP is part of the whole firmware package. No one knows if,
> when, or how likely a firmware upgrade will be released. However, the
> guy who was writing the firmware recently left Ten-Tec but is supposedly
> continuing to write software for Ten-Tec.
>
> Alan N5NA
>
> Neil M Barrowman wrote:
>
>> looking at my orion 02 screen----I read version 2.039d-then
>> dsp2.0614
>> does this mean that the dsp "package" can be" upgraded "
>> by "download "separately from the 2.039d software? and is there such a
>>
> download available or imminent? or even --likely? regards neil GM0LTQ
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

5858. RE: [orion565] dsp upgrade--??

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-01 20:45:12 UTC
From: Andrew B. Steen
Topic: 5854 Message: 5858

Oh very good. Well maybe there is hope yet.

Andrew

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Alan Sewell N5NA
Sent: Monday, February 01, 2010 12:26 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] dsp upgrade--??

Scott didn't write the Orion software. I was referring to Gary Barbour, AC4DL.

Alan N5NA

Andrew B. Steen wrote:
> Good luck with that! Scott just bought Vibroplex, and I think he will be
> too busy to write any software for his former employer.
>
> Andrew K6STN
>
>
>
> _____
>
> From: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com [mailto:orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com] On Behalf
> Of Alan Sewell N5NA
> Sent: Monday, February 01, 2010 9:58 AM
> To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
> Subject: Re: [orion565] dsp upgrade--??
>
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>
>
> No, the DSP is part of the whole firmware package. No one knows if,
> when, or how likely a firmware upgrade will be released. However, the
> guy who was writing the firmware recently left Ten-Tec but is supposedly
> continuing to write software for Ten-Tec.
>
> Alan N5NA
>

> Neil M Barrowman wrote:
>
>> looking at my orion 02 screen----I read version 2.039d-then
>> dsp2.0614
>> does this mean that the dsp "package" can be" upgraded "
>> by "download "separately from the 2.039d software? and is there such a
>>
> download available or imminent? or even --likely? regards neil GM0LTQ
>
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5859. Enhanced A>B VFO Copy function?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-04 16:14:53 UTC
From: fullcity
Topic: 5859 Message: 5859

Hi folks,

Does anyone have any detail on exactly what is involved in this feature of 2.063XG, as noted on TT's 565 firmware history document?

It is the only thing that looks appealing to me about upgrading from 2.062. I hate how I can't save a split setup in Orion's memories, like I can on my Omni VI+ and TS-450S. (Not that I expect this is what they are describing)

Thanks for any information on this.

73 de K2ER
Roger

5860. Clipping CW w/Writelog and Orion/Herc II?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-05 04:03:14 UTC
From: Eric Rosenberg
Topic: 5860 Message: 5860

I've been using WL 10.6x with my Orion and Hercules II amp operating in the QSK mode.

It turns out that WL is sending CW sooner than radio can transmit it. I'm clipping the first character.

What is the parameter to change this in Writelog, or do I need to change something in the Orion?

Any help is appreciated!

Thanks,

Eric W3DQ
Washington, DC

5861. Re: New file uploaded to orion565 (Orion AGC Macro)

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-05 07:42:47 UTC
From: pa1ap
Topic: 222 Message: 5861

On threshold and RF Gain association this is interesting information.

Where did you find this confirmed?

If RF Gain is adjusted, threshold value is not changed from the operator point of view. Other way around it provides the same perception of independence. In case the 1.37x firmware does associate both but does not inform the operator about it, whats the use of having two controls and not just one?

Do you have information about the values used within this claimed RF Gain / Threshold association? Because interesting enough it confirms what I am trying to achieve using the macro's which combine threshold and RF Gain... If you have further information on those values that would be great!

Thanks and regards,
Onno pa1ap

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Onno, what version of Orion firmware does your software work best with?
> What problem are you hoping to solve with the software?
>
> I ask because I use v1.373b5 and simply adjust RF Gain and don't touch AGC
> Threshold (leave it at 1uV) - v1.372/1.373 firmware internally sets
> Threshold dynamically based on RF Gain setting and works quite well. I
> understand that v2 firmware requires more care in setting RF Gain and AGC.
>
> 73,
> Barry N1EU
>
> On Wed, Jan 27, 2010 at 12:54 PM, pa1ap <pa1ap@...> wrote:
>
> > >
> > >
> > > Please note that usage is entirely at your own risk.
> > >
> > > Following BETA testing with a couple of people (thank you all!), confirmed
> > > to be working fine on windows Xp & Vista but windows 7 is pending
> > > confirmation. I have now uploaded the AGC macro program to this forum.
> > >
> > > Installation:
> > > 1) unzip the package and click on setup.exe
> > > 2) during installation it will check if all windows components are present
> > > and if not it will prompt you to download them. Installation of those
> > > components is required.
> > > 3) after the component installation / check the actual program will be

> > installed (only 900Kbyte)
> > 4) after program installed, it will start. It will also include a shortcut
> > on your desktop as well create a program menu entry called pa1ap.
> >
> > Usage:
> > 1) after start, you will first need to connect to the orion. Upper left
> > corner provides selection of the com ports, select the one you use and click
> > on connect. If connection is correct, the CTS icon will turn green. If not,
> > all buttons will remain grey as well CTS will turn red.
> > 2) For general info, click on the Concepts tab for some background
> > information. I have done my best to describe the mechanism as far as I
> > understand it to work. If something is wrong, please comment!
> > 3) Usage is very simple for the remainder of the functions within the AGC
> > macro tab, below some general information;
> >
> > GREEN AREA:
> > a) all buttons in the green area are connecting to the AGC prog mode
> > b) the macro buttons are nothing more then shortcuts to optimized RF Gain
> > and Threshold values for a given S-meter reading on the main receiver. When
> > you push one of them, you will see the Rf Gain & Threshold fields display
> > those values
> > c) in case you want to exclude either threshold or rf gain from changing,
> > unselect one of them (little select area above the display fields)
> > d) if you want to tweak the threshold value, click on plus / minus button.
> > right now the program will not "remember" the tweak.
> > e) ATTN and Decay are also connecting to the AGC prog mode
> > f) click on Default RF Gain or Default Threshold and AGC prog will be put
> > back to factory mode, except for Decay value.
> > g) depending on orion firmware, the default threshold value is 1 or 3. You
> > can match the factory default value using the small numeric scroll window.
> >
> > DARK GREY AREA:
> >
> > a) all buttons in the dark grey area are connecting to the remaining AGC
> > modes, such as fast, medium, slow and off
> > b) by default when you push one of the AGC modes, the program will return
> > ATTN and RF Gain to default. This allows quick comparison between AGC prog
> > setting and factory default setting.
> > c) if you unselect them, ATTN and/or RF Gain will follow whatever the
> > values are within AGC prog mode
> > d) you can also select Decay & Threshold to be put back to default again bu
> > selecting the appropriate selectors
> >
> > GENERAL USAGE, "you might notice":
> >
> > 1) that all buttons are grey when not connected to Orion, this is as
> > designed
> > 2) that all AGC prog buttons grey out (except for prog) when you select one
> > of the other AGC buttons, this is as designed
> > 3) that whatever button you push, this will be indicated by a yellow

> > background
> > 4) there is a Sliders tab which allows you to adjust RF Gain / Threshold
> > very quickly. But only when you have clicked on the selector buttons at the
> > right hand. Also, when you go back to AGC macro and click on any AGC button,
> > the sliders will be made inactive again
> > 5) there is a terminal window which allows playing around with serial
> > command / buttons. Its there if you need it.
> >
> > SCREEN SIZE:
> > 1) default the program starts with full control window. Big and ugly, but
> > it works.
> > 2) Upper right corner there is a minimize button which will make it a lot
> > smaller. Perhaps still ugly but it works.
> >
> > VIDEO:
> > If you like to see/hear a video, do a search on youtube for pa1ap. You
> > should find three video's which cover the original program.
> >
> > COMMENTS / FEEDBACK:
> > Please share your experience with the group and possible improvements to be
> > included in future. I am working on the next version which incorporates
> > write & read functions as well automatic adjustments to AGC modes.
> >
> > Thanks and best regards,
> > Onno, pa1ap
> >
> > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>,
> > orion565@yahoogroups.com <orion565%40yahoogroups.com> wrote:
> > >
> > >
> > > Hello,
> > >
> > > This email message is a notification to let you know that
> > > a file has been uploaded to the Files area of the orion565
> > > group.
> > >
> > > File : /pa1ap AGC program/orion AGC macro.zip
> > > Uploaded by : pa1ap <pa1ap@>
> > > Description : Orion AGC program, use at own risk
> > >
> > > You can access this file at the URL:
> > >
> >
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion%20AGC%20macro.zip
> > >
> > > To learn more about file sharing for your group, please visit:
> > >
> > http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles
> > >
> > > Regards,

> > >
> > > pa1ap <pa1ap@>
> > >
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> [Non-text portions of this message have been removed]
>

5862. Re: [orion565] Enhanced A>B VFO Copy function?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-05 08:07:10 UTC
From: Rob - G4LMW
Topic: 5859 Message: 5862

Roger

I don't have any documentation, but can tell you what it does.....

A single push of the A>B button transfers the frequency and mode from A to B
but B retains its other settings (BW, PBT - same as before)

However, if you hold the A>B button (about 2 seconds) the BW and PBT
settings are also transferred.

AGC, RIT and RF gain settings are not transferred in either scenario.

B>A obviously does the same but in reverse!

Hope this helps.

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "fullcity" <fullcity@...>
To: <orion565@yahoogroups.com>
Sent: Thursday, February 04, 2010 4:14 PM
Subject: [orion565] Enhanced A>B VFO Copy function?

> Hi folks,
>
> Does anyone have any detail on exactly what is involved in this feature of
> 2.063XG, as noted on TT's 565 firmware history document?
>
> It is the only thing that looks appealing to me about upgrading from
> 2.062. I hate how I can't save a split setup in Orion's memories, like I
> can on my Omni VI+ and TS-450S. (Not that I expect this is what they are
> describing)
>
> Thanks for any information on this.
>
> 73 de K2ER
> Roger
>
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> Yahoo! Groups Links

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5863. Re: Enhanced A>B VFO Copy function?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-05 13:48:31 UTC
From: fullcity
Topic: 5859 Message: 5863

> However, if you hold the A>B button (about 2 seconds) the BW and
> PBT settings are also transferred

Thanks Rob - this minor addition is likely the change! BW/PBT can be configured to copy over (or not) using one of the menu options in the earlier firmware. I guess they just made that feature something one can do on the fly.

I find the inability** to save a split operating setup to memory (VFO A and B, plus the split setting) a challenge on this rig. It's really easy to do on lots of older rigs. Since I do a lot of CW DXing with stations listening "up" it does cramp my style a bit!

Cheers -
Roger K2ER

**Yes, I know one can save each VFO to a separate memory location, but that involves numerous button twiddles.

5864. Re: [orion565] Re: Enhanced A>B VFO Copy function?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-05 14:01:53 UTC
From: Rob - G4LMW
Topic: 5859 Message: 5864

I must admit that I am not sure why you would want to save a "split". I do plenty of CW DX chasing and invariably the split is constantly on the move. The "binaural" facility allows me to net onto the worked station and bingo!

If I had the facility to save a split to a memory, I am not sure I would use it!

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "fullcity" <fullcity@...>
To: <orion565@yahoogroups.com>
Sent: Friday, February 05, 2010 1:48 PM
Subject: [orion565] Re: Enhanced A>B VFO Copy function?

>> However, if you hold the A>B button (about 2 seconds) the BW and
>> PBT settings are also transferred
>
> Thanks Rob - this minor addition is likely the change! BW/PBT can be
> configured to copy over (or not) using one of the menu options in the
> earlier firmware. I guess they just made that feature something one can do
> on the fly.
>
> I find the inability** to save a split operating setup to memory (VFO A
> and B, plus the split setting) a challenge on this rig. It's really easy
> to do on lots of older rigs. Since I do a lot of CW DXing with stations
> listening "up" it does cramp my style a bit!
>
> Cheers -
> Roger K2ER
>
> **Yes, I know one can save each VFO to a separate memory location, but
> that involves numerous button twiddles.
>
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5865. Re: Enhanced A>B VFO Copy function?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-05 17:28:53 UTC
From: fullcity
Topic: 5859 Message: 5865

"I must admit that I am not sure why you would want to save a split."

Rob,

Let's say I'm listening to a DX station on 14.004 and calling him around 14.005, slightly variable. But I get tired of not being heard and decide to tune around for a while, fully intending to come back soon. With other rigs I've used (TS-450S, Omni VI+), the entire VFO A/B and split mode setup is saved to a single memory location at the press of a button.

I can then switch to simplex, tune around as I please, use VFOs A *and* B as I wish... and then restore the whole dual VFO DX setup from above in one or two button presses.

I find that very useful indeed.

Anyway, this is one of those annoying areas where Ten-Tec omitted a feature from an older radio. There are a few of those on Orion that annoy me. :)

5866. Re: [orion565] Re: Enhanced A>B VFO Copy function?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-05 18:18:19 UTC
From: Rob - G4LMW
Topic: 5859 Message: 5866

OK, I get you. Yes, makes sense and I guess that I would use it.

Have you tried asking for it to be added?

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "fullcity" <fullcity@...>
To: <orion565@yahoogroups.com>
Sent: Friday, February 05, 2010 5:28 PM
Subject: [orion565] Re: Enhanced A>B VFO Copy function?

> "I must admit that I am not sure why you would want to save a split."
>
> Rob,
>
> Let's say I'm listening to a DX station on 14.004 and calling him around
> 14.005, slightly variable. But I get tired of not being heard and decide
> to tune around for a while, fully intending to come back soon. With other
> rigs I've used (TS-450S, Omni VI+), the entire VFO A/B and split mode
> setup is saved to a single memory location at the press of a button.
>
> I can then switch to simplex, tune around as I please, use VFOs A *and* B
> as I wish... and then restore the whole dual VFO DX setup from above in
> one or two button presses.
>
> I find that very useful indeed.
>
> Anyway, this is one of those annoying areas where Ten-Tec omitted a
> feature from an older radio. There are a few of those on Orion that annoy
> me. :)
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> ------------------------------------
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> Yahoo! Groups Links
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5867. Re: Enhanced A>B VFO Copy function?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-05 18:43:56 UTC
From: fullcity
Topic: 5859 Message: 5867

> Have you tried asking for it to be added?

I haven't asked for anything! Since the firmware seems to be moribund, I assumed that nobody's pleas are being responded to these days. Is that not so? Do we have a viable contact at TT since Scott Robbins and the firmware programmer departed (double whammy)?

I have a few things I wish they'd fix from a UI perspective, some of which they've already got coded into older rigs (like Omni VI).

5868. Re: [orion565] Re: Enhanced A>B VFO Copy function?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-05 19:37:53 UTC
From: Rob - G4LMW
Topic: 5859 Message: 5868

To be honest, I wasn't sure what the situation with firmware was. I knew
that Scott left a few month back.

I thought that the latest firmware was only a couple of months old?

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "fullcity" <fullcity@...>
To: <orion565@yahoogroups.com>
Sent: Friday, February 05, 2010 6:43 PM
Subject: [orion565] Re: Enhanced A>B VFO Copy function?

>> Have you tried asking for it to be added?
>
> I haven't asked for anything! Since the firmware seems to be moribund, I
> assumed that nobody's pleas are being responded to these days. Is that not
> so? Do we have a viable contact at TT since Scott Robbins and the firmware
> programmer departed (double whammy)?
>
> I have a few things I wish they'd fix from a UI perspective, some of which
> they've already got coded into older rigs (like Omni VI).
>
>
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>
>
> Yahoo! Groups Links
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>

5869. Re: Enhanced A>B VFO Copy function?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-06 03:25:49 UTC
From: fullcity
Topic: 5859 Message: 5869

> I thought that the latest firmware was only a couple of months old?

Unfortunately, the Orion 565 firmware revision history file on the TT website is dated May 14, 2009. So I assume that corresponds to 2.063Xg:

Version 2.063Xg - Beta
Enhanced SWEEP function with enlarged display and tuning cursor
User selectable RF or AF derived AGC
Optional Per-Band or Global MIC/PWR settings
Enhanced A>B VFO Copy function

Version 2.062a
Adjusted gains to correct overload when large +EQ was set and AGC was set for FLAT.
Corrected serial port VFO update routine resulting in display not being updated when changed.

5870. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-06 15:34:39 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5870

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap AGC program/Orion AGC macro 1008.zip
Uploaded by : pa1ap <pa1ap@...>
Description : New version with FW profiles

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/Orion%20AGC%20macro%201008.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5871. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-07 20:25:32 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5871

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap AGC program/Orion AGC macro 10044.zip
Uploaded by : pa1ap <pa1ap@...>
Description : New version with firmware profiles which can be adjusted by users through agc_profile.txt file within my documents folder. Best settings can be shared throughe xchange of this file.

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/Orion%20AGC%20macro%2010044.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5873. Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-07 21:56:35 UTC
From: pa1ap
Topic: 222 Message: 5873

For the ones interested I have uploaded a new version. It provides firmware profiles to be selected through the menu. Also the firmware profiles are stored in the "my documents" folder within windows and the file is flat asci file. Program always starts with SET1.

Right now the program provides tested 1372, 2056 and 2069XG (all orion 1) as well estimated for 2039d (orion 2). SET1, SET2, SET3 and SET4.

If you like the program to start with the orion 2 profile, open the agc_profile.txt file and change the name SET1 to SET4 AND SET4 to SET1... This way you swap the profiles.

All sets can be replaced with your own values of course. And if something goes wrong (file corrupted) the program will tell you and go back to a default set. To repair, just delete the agc_profile.txt file and start the program over again. It will detect the file is missing and will create a new file.

Anyway, for the ones using it I hope this provides quick and easy customization as well quick A/B comparison.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, orion565@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the orion565
> group.
>
> File : /pa1ap AGC program/Orion AGC macro 10044.zip
> Uploaded by : pa1ap <pa1ap@...>
> Description : New version with firmware profiles which can be adjusted by users through agc_profile.txt file within my documents folder. Best settings can be shared throughe xchange of this file.
>
> You can access this file at the URL:
> http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/Orion%20AGC%20macro%2010044.zip
>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles
>
> Regards,
>

> pa1ap <pa1ap@...>
>

5874. 565 Orion - Low Output Question

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-09 17:00:49 UTC
From: n4dd
Topic: 5874 Message: 5874

Good Afternoon Guys,

I have a 565 Orion that is only putting out a few milliwatts of RF. I removed the radio from service, boxed it up, and took it to a friends home. When he hooked it up, he had no RF out. He has done the Master Reset, and even downloaded the Beta software, but no change in output. After the master reset, he even lost receive for a time. Yes, transmit has been turned on. The amp keying is off, if that matters. I have instructed him to do the Ram Clear, and then the Master reset clearing all filter settings. Is there anything obvious that I might be overlooking? Thanks,

Dennis N4DD

5875. Re: [orion565] 565 Orion - Low Output Question

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-09 17:16:43 UTC
From: jd_hudson@comcast.net
Topic: 5874 Message: 5875

Dennis I have the same issue with my O1. My issues are the bandswitch relay according to Ten Tec.

I have not sent my back but when I power up there is no receive and no transmit. I have to change bands via the keypad and once the relays "click" I can go back to whatever band I want and all is good until the next time I let it sit off. Really don't know if it's a certain time off or not but almost everyday I turn it on I have to do the band switching routine

Just have not sent it back yet

Good luck

73
John
KO4XJ
www.w4nja.org/ko4xj.htm
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: "n4dd" <n4dd@...>
Date: Tue, 09 Feb 2010 17:00:49
To: <orion565@yahoogroups.com>
Subject: [orion565] 565 Orion - Low Output Question

Good Afternoon Guys,

I have a 565 Orion that is only putting out a few milliwatts of RF. I removed the radio from service, boxed it up, and took it to a friends home. When he hooked it up, he had no RF out. He has done the Master Reset, and even downloaded the Beta software, but no change in output. After the master reset, he even lost receive for a time. Yes, transmit has been turned on. The amp keying is off, if that matters. I have instructed him to do the Ram Clear, and then the Master reset clearing all filter settings. Is there anything obvious that I might be overlooking? Thanks,

Dennis N4DD

[Non-text portions of this message have been removed]

5876. Re: [orion565] 565 Orion - Low Output Question

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-09 17:17:00 UTC
From: Martin Ewing
Topic: 5874 Message: 5876

In TX menu:
transmitter on?
transverter off?

Tried both antenna ports?
What is the meter telling you? Does ALC light come on?
What modes? CW? SSB? (Check SSB menu: Tx Audio Source)

I gather receive is mostly normal?

Has anyone opened the rig for any mods? Possible problem reinstalling cables.

Of course the power amp could be shot. (If so, you should still get some transverter output if you turn that option on.)

That's all I have to suggest without getting hands on. Good luck!

73 Martin AA6E

On Tue, Feb 9, 2010 at 12:00 PM, n4dd <n4dd@...> wrote:

> Good Afternoon Guys,
>
> I have a 565 Orion that is only putting out a few milliwatts of RF. I
> removed the radio from service, boxed it up, and took it to a friends home.
> When he hooked it up, he had no RF out. He has done the Master Reset, and
> even downloaded the Beta software, but no change in output. After the
> master reset, he even lost receive for a time. Yes, transmit has been
> turned on. The amp keying is off, if that matters. I have instructed him
> to do the Ram Clear, and then the Master reset clearing all filter settings.
> Is there anything obvious that I might be overlooking? Thanks,
>
> Dennis N4DD
>
>
>
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> Yahoo! Groups Links
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--
Dr. Martin S. Ewing, AA6E
Member IEEE, URSI, AAS, ARRL
Branford, Connecticut

[Non-text portions of this message have been removed]

5877. Orion I & II Firmware forthcoming

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-13 22:06:14 UTC
From: dick221z
Topic: 5877 Message: 5877

I talked to Gary Barbour of TenTec today at the Orlando Hamcation. He told me that new firmware is coming out in the next couple of weeks. He said the display issues and AF AGC issues were being addressed, as well as a number of other things (that we didn't get into details about).

5878. Re: [orion565] Orion I & II Firmware forthcoming

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-13 22:07:56 UTC
From: Michael W Elliott
Topic: 5877 Message: 5878

believe it when I see it

Michael W. Elliott
"THE INSIDE ADVANTAGE" -
RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri

--- On Sat, 2/13/10, dick221z <dick221z@...> wrote:

From: dick221z <dick221z@...>
Subject: [orion565] Orion I & II Firmware forthcoming
To: orion565@yahoogroups.com
Date: Saturday, February 13, 2010, 4:06 PM

I talked to Gary Barbour of TenTec today at the Orlando Hamcation. He told me that new firmware is coming out in the next couple of weeks. He said the display issues and AF AGC issues were being addressed, as well as a number of other things (that we didn't get into details about).

[Non-text portions of this message have been removed]

5879. Re:

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-14 00:41:34 UTC
From: Ed N8LPQ
Topic: 5879 Message: 5879

I wonder if the firmware for the Orion 565 is going to be the same as the Jupiter issue? I have asked for years about the issue with the Jupiter locking up when you turn on the NB, AN and the NR at the same time. People at TEN-TEC say the same thing, " WE KNOW ABOUT IT AND WE ARE WORKING ON IT" I have asked about it back in 2002 or 2003. I guess they are real busy. But in there defense. Gerry and Tony are the best. Anytime I call they always make me feel as if I am the only customer. I have never got a radio back from service that didn't work correctly. I love TENTEC service department. Maybe things will get better now that Scott is gone. I have had more people tell me they will buy a Ten-Tec now he is gone.

[Non-text portions of this message have been removed]

5880. Re: [orion565] Orion I & II Firmware forthcoming

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-14 04:29:10 UTC
From: tnnyswy@yahoo.com
Topic: 5877 Message: 5880

Some Confidence in Ten Tec you've expressed!
73 de Milverton.
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: Michael W Elliott <kq0b@...>
Date: Sat, 13 Feb 2010 14:07:56
To: <orion565@yahoogroups.com>
Subject: Re: [orion565] Orion I & II Firmware forthcoming

believe it when I see it

Michael W. Elliott
"THE INSIDE ADVANTAGE" -
RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri

--- On Sat, 2/13/10, dick221z <dick221z@...> wrote:

From: dick221z <dick221z@...>
Subject: [orion565] Orion I & II Firmware forthcoming
To: orion565@yahoogroups.com
Date: Saturday, February 13, 2010, 4:06 PM

I talked to Gary Barbour of TenTec today at the Orlando Hamcation. He told me that new firmware is coming out in the next couple of weeks. He said the display issues and AF AGC issues were being addressed, as well as a number of other things (that we didn't get into details about).

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5881. Re: [orion565] Orion I & II Firmware forthcoming

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-14 13:47:35 UTC
From: Michael W Elliott
Topic: 5877 Message: 5881

Are you saying I have no confidence in Ten TEc??
not sure ?

I have been patiently waiting for upgrades only to be disappointed for my 566. I believe it when it is published and released. I don't get my hopes up and continue to use what I have

Michael W. Elliott
"THE INSIDE ADVANTAGE"   -
RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri

--- On Sat, 2/13/10, tnnyswy@... <tnnyswy@...> wrote:

From: tnnyswy@... <tnnyswy@...>
Subject: Re: [orion565] Orion I & II Firmware forthcoming
To: orion565@yahoogroups.com
Date: Saturday, February 13, 2010, 10:29 PM

Some Confidence in Ten Tec you've expressed!

73 de Milverton.

Sent from my Verizon Wireless BlackBerry

-----Original Message-----

From: Michael W Elliott <kq0b@sbcglobal. net>

Date: Sat, 13 Feb 2010 14:07:56

To: <orion565@yahoogroup s.com>

Subject: Re: [orion565] Orion I & II Firmware forthcoming

believe it when I see it

Michael W. Elliott

"THE INSIDE ADVANTAGE"   -

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Servant to Bridgett, Collin and all my Creditors

St. Louis County Missouri

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From: dick221z <dick221z@yahoo. com>

Subject: [orion565] Orion I & II Firmware forthcoming

To: orion565@yahoogroup s.com

Date: Saturday, February 13, 2010, 4:06 PM

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5882. RE: [orion565] Orion I & II Firmware forthcoming

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-14 14:05:17 UTC
From: Andrew B. Steen
Topic: 5877 Message: 5882

I too, am hopeful, but I don't believe two weeks. I finally went back to 2.039d from the Beta because there were just more issues than solutions. I hope the new version corrects all the problems.

Andrew K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Michael W Elliott
Sent: Sunday, February 14, 2010 5:48 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion I & II Firmware forthcoming

Are you saying I have no confidence in Ten TEc??
not sure ?

I have been patiently waiting for upgrades only to be disappointed for my 566. I believe it when it is published and released. I don't get my hopes up and continue to use what I have

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--- On Sat, 2/13/10, tnnyswy@yahoo. <mailto:tnnyswy%40yahoo.com> com <tnnyswy@yahoo. <mailto:tnnyswy%40yahoo.com> com> wrote:

From: tnnyswy@yahoo. <mailto:tnnyswy%40yahoo.com> com <tnnyswy@yahoo. <mailto:tnnyswy%40yahoo.com> com>
Subject: Re: [orion565] Orion I & II Firmware forthcoming
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Date: Saturday, February 13, 2010, 10:29 PM

Some Confidence in Ten Tec you've expressed!

73 de Milverton.

Sent from my Verizon Wireless BlackBerry

-----Original Message-----

From: Michael W Elliott <kq0b@sbcglobal. net>

Date: Sat, 13 Feb 2010 14:07:56

To: <orion565@yahoogroup s.com>

Subject: Re: [orion565] Orion I & II Firmware forthcoming

believe it when I see it

Michael W. Elliott

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To: orion565@yahoogroup s.com

Date: Saturday, February 13, 2010, 4:06 PM

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5883. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-14 22:45:13 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5883

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap AGC program/Orion AGC macro V2.zip
Uploaded by : pa1ap <pa1ap@...>
Description : Orion AGC macro V2 program. Nice user interface with smart profile sliders.
For Orion 2 users select SET4. More information will follow.

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/Orion%20AGC%20macro%20V2.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5884. Re: New file uploaded to orion565 (Orion AGC macro V2)

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-14 23:06:30 UTC
From: pa1ap
Topic: 222 Message: 5884

Greetings,

I have combined the orion firmware specific settings (stored in agc_profile_2.txt in my documents) with the slider bars. This shows very nicely how the values match the s-meter values.

Please keep in mind that one has to select the correct profile set to get best results. This is done by pushing the up/down scrollbutton at the top right area of the window. For Orion 2 we have SET4 as reference value and feedback has been positive.

Second, by default the Threshold & RF Gain values are connected and if one clicks on for example S4, both threshold and RF Gain value will be adjusted according to their S4 value as found in the agc_profile_2.txt file.

Of course, threshold and RF gain can also be adjusted independly by just dragging the sliders left and right.

Also the connection between Threshold and RF Gain can be "disconnected" by unselecting the connection line on the left.

Putting back Threshold or RF Gain to factory default can be done by clicking on the respective value field (light yellow) on the left of the window

By default the program will zoom into the area of S2 up to S7. You can change this by clicking on "FULL" which will change the sliders into full range settings.

Optional:
When you click on "SET" then another window opens. This windows allows you to change the queue delay as well the scrollbar sample rate/speed. If you find other values more useful, let me know and we can figure out a way to incorporate this. When debug is selected, the window will show the scheduler and the commands send to the orion. I have found this useful when programming and it also allowed me to finally create some work around for bugs as found in the orion firmware. The work around is called KTDT. I would keep AGC prog only selected, since the other agc modes do not allow full range to be adjusted and this might cause problems.

Work in progress:

I have made the window with some buttons such as ATTN (0/6/12/18dB), PREAMP, ATN1/2/RX, Include Sub AGC, AGC Mode (Fast, Med, Slow, PROG). I just need to go through the verification and such like.

Hope you will like the program!

Best regards,
Onno pa1ap

--- In orion565@yahoogroups.com, orion565@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the orion565
> group.
>
> File : /pa1ap AGC program/Orion AGC macro V2.zip
> Uploaded by : pa1ap <pa1ap@...>
> Description : Orion AGC macro V2 program. Nice user interface with smart profile sliders. For Orion 2 users select SET4. More information will follow.
>
> You can access this file at the URL:
> http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/Orion%20AGC%20macro%20V2.zip
>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles
>
> Regards,
>
> pa1ap <pa1ap@...>
>

5885. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-15 14:27:09 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5885

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap AGC program/Orion AGC macro V2 20010.zip
Uploaded by : pa1ap <pa1ap@...>
Description : Patch update and small changes. Enjoy!

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/Orion%20AGC%20macro%20V2%2020010.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5886. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-15 18:32:01 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5886

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap AGC program/Orion AGC macro V2 20029.zip
Uploaded by : pa1ap <pa1ap@...>
Description : Orion AGC macro V2 20029. Patch update, discovered last minute bug in closing one of the windows. Fixed and done. Enjoy. Best regards, Onno pa1ap

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/Orion%20AGC%20macro%20V2%2020029.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5887. Beta testing

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-16 00:29:14 UTC
From: ke5otl
Topic: 5887 Message: 5887

I was trying to buy a used o2 from stan that came in for trade last week. I was told this model was going to someone for beta testing but I would be able to have it when he was finished testing the new software. I called today and was told that it would still be a couple of weeks before that radio came back to Ten Tec. They had another one without the AT so I had them install it in the one they had on the shelf. So it looks like they really might be testing for the new software.

Terry
KE5OTL

5888. Orion AGC macro V2 program walk through video

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-16 18:53:22 UTC
From: pa1ap
Topic: 5888 Message: 5888

Based on discussions and feedback I have rewritten the program with a new user interface, more flexibility towards the various Orion firmwares as well an easy way to implement individual settings.

Individual settings are now stored within the "My Documents" folder and the text file is called agc_profile_2.txt. Here one can include own personal settings for the various buttons for easy usage.

The instruction video is about 15 minutes and can be found on youtube:

part 1: http://www.youtube.com/watch?v=BCw--mGwaYU

part 2: http://www.youtube.com/watch?v=1WgB9P9W3Gk

Have fun playing with the AGC & RF Gain settings.

Best regards,
Onno pa1ap

Some background if interested;

1) On orion 1 (565) I have finally found the reason for unpredictable AGC threshold settings. Perhaps it is a bug or my lack of understanding but if you want to program the threshold value you have to do the following sequence: RMAP (AGC prog mode) - RMAT10 (Threshold) - RMAP (AGC prog mode)..... If you do not include the last RMAP, the orion will not activate the new threshold value -although- the orion lcd tells you it is active... Same applies for RF Gain and other functions. It could be specific to a firmware version.

2) The program utilizes a queue and scheduler for commands to be send to the orion. If you want to send a set of commands, they will be put into a queue and then through a scheduler the queue will be emptied one by one. The scheduler empties the queue with an interval of 20ms and this time can be changed up to 901mS. The queue / scheduler makes the communication more reliable and allows the serial port to be shared with other programs when using a virtual port application.

3) The sliderbars utilize a sampler to avoid sending an update for each step up/down made by the slider. Without the sampler, moving the slider from 0 to 100 would result in 99 commands send to the orion... Not very nice. The sampler uses a timer (default of 100mS) which is started when you move the slider for the first time. During the timer no values will be read from the slider until the timer expires. When the timer expires, the slider value will be put into the queue... ready to be send to the orion... With the sampler, if you move from 0 100 within 100mS, only one value (100) will be send to the orion.

4) The program also provides a debug window (click on program) and after you enable debug you will see all communication to Orion and other program specific information. In case you have manipulated the agc_profile_2.txt file and made a mistake, you will find a message in the debug window informing you about possible causes.

5889. Orion vs O rion 2 loo king weigh ing the di fference - would lik e some inp ut☐

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-17 16:59:33 UTC
From: Eric Proshuto
Topic: 5889 Message: 5889

I have been researching the Ten Tec offerings.
I really like the 566 but the price new is out of my reach, the price used is kind of a stretch also and there fore have been looking at the Orion I.
So I am posting this question to the group.
What am I missing out on by picking up a used Orion mod 565 and not a used Orion II? What avout the hardware fix needed on the Orion I I see mentioned in the used sales?

Are there any owners of both that can give a side by side?

My operating will be casual contesting, DX and some rag chewing..Both CW and SSB

tnx
73 N9BOW - Eric

_____
Hotmail: Trusted email with Microsoft?s powerful SPAM protection.
http://clk.atdmt.com/GBL/go/201469226/direct/01/

[Non-text portions of this message have been removed]

5890. Re: [orion565] Orion vs Orion 2 looking weig hing the difference - would like some input☐

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-17 17:51:02 UTC
From: Bert Beyt
Topic: 5890 Message: 5890

Eric,
I had an Orion I and now I run an Orion II. Lighting took out my Orion I; or I may still be running it. The two radios are very, very close. The trick to making it a great receiver is to get the roofing filters - get as many as you can afford. For CW get the 500Hz first, and then the 250Hz, and then the 1000Hz. For SSB the 1.8 KHz filter is well worth while. The filters are pricy, so look on the internet for filters the Orion I; guys may have kept when they upgraded to an Orion II. The roofing filters for the two radios are not the same. The Orion II has 2 DSP processors, and the Orion I has one DSP processor. This results in faster respone time in the O II; but you will not notice it when running a O I. Then O1 has a little attenuation at the 500Hz filter, but they added an amplifier stage, and you can not see any difference. The Harware mod on the O I is to improve the sweep characteristics and run Version 2.xxx firmware. It is likely that most all the O Is have already modified. The mod is worthwhile.

Both radios are very good. When the Orion I came out there was a lot of complaining about the black & white display - so now the Orion II has a color display - that is the main difference.
Get an Orion I and after you learn to use it (it is not a novice radio) you will be very pleased. You get 100W and the best receiver made. The Orion I is more radio than other radios selling for about that price.

Good luck......Bert W5ZR

On Feb 17, 2010, Eric Proshuto <n9bow@...> wrote:

I have been researching the Ten Tec offerings.
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Are there any owners of both that can give a side by side?

My operating will be casual contesting, DX and some rag chewing..Both CW and SSB

tnx
73 N9BOW - Eric

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http://clk.atdmt.com/GBL/go/201469226/direct/01/

[Non-text portions of this message have been removed]

Yahoo! Groups Links

5891. Re: [orion565] Orion vs Orion 2 looking weighing the difference - would like some input☐

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-17 17:55:10 UTC
From: Barry N1EU
Topic: 5889 Message: 5891

On Wed, Feb 17, 2010 at 4:59 PM, Eric Proshuto <n9bow@...> wrote:
> I really like the 566 but the price new is out of my reach, the price used is kind of a stretch also and there fore have been looking at the Orion I.
> So I am posting this question to the group.
> What am I missing out on by picking up a used Orion mod 565 and not a used Orion II? What avout the hardware fix needed on the Orion I I see mentioned in the used sales?

If price is a concern, than a used Orion I is by far the best choice.
Install the Inrad #762 600hz filter in place of the stock 1Khz filter
and ignore the 500/250hz filter slots.

Chances are that your used Orion I will already have the v2 hardware
mod. Personally, I never use the sweep display anyway and I wouldn't
be concerned if my Orion didn't have the mod. If you're truly
interested in a panadapter, a far better option would be to install
the VE7TK mod to add the 9Mhz i.f. output in conjunction with an
external LP-PAN device.

73,
Barry N1EU

5892. Re: [orion565] Orion vs Orion 2 looking weighing the difference - would like some input☐

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-17 18:05:15 UTC
From: Barry N1EU
Topic: 5890 Message: 5892

On Wed, Feb 17, 2010 at 5:51 PM, Bert Beyt <w5zr@...> wrote:

>
>
> For CW get the 500Hz first, and then the 250Hz, and then the 1000Hz.
>

Sorry, but must disagree with this. First off, the 1000hz filter comes with the radio - it's not an option. The 500/250hz filters are not worthwhile because they're prone to increased IMD from the extra preamp stage - this was widely discussed previously. You'll get better close-in cw performance and save money by using the Inrad #762 600hz filter in the 1000hz filter slot. Several years of contesting and top band dx'ing on the Orion in the toughest condx proved to me that the 600hz filter is all the roofing filter you'll need on cw.

73,
Barry N1EU

[Non-text portions of this message have been removed]

5893. Re: [orion565] Orion vs Orion 2 looking weighing the difference - would like some input☐

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-17 18:52:37 UTC
From: Martin Ewing
Topic: 5889 Message: 5893

The Orion I is a very fine radio. I would argue that additional roofing filters are really unnecessary unless you operate in a rather "hostile" environment (heavy contesting, especially). The stock filters work very well for me - working DX pileups and other somewhat competitive situations. So, don't be afraid to go with the stock filters and add others if you find you actually need them. Another item you may not need is the built-in antenna tuner. I have one, and I've almost never needed it. (I use a Heath SB-220 linear and SA-2060A tuner at times.)

73 Martin AA6E

On Wed, Feb 17, 2010 at 11:59 AM, Eric Proshuto <n9bow@...> wrote:

>
>
>
>
> I have been researching the Ten Tec offerings.
> I really like the 566 but the price new is out of my reach, the price used
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> in the used sales?
>
> Are there any owners of both that can give a side by side?
>
> My operating will be casual contesting, DX and some rag chewing..Both CW
> and SSB
>
> tnx
> 73 N9BOW - Eric
> ------------------
>
>
> --
Dr. Martin S. Ewing, AA6E
Member IEEE, URSI, AAS, ARRL
Branford, Connecticut

[Non-text portions of this message have been removed]

5894. RE: [orion565] Orion vs Orion 2 looking weighing the d ifference - would like some inputþ

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-17 20:29:38 UTC
From: Wes Attaway (N5WA)
Topic: 5889 Message: 5894

Personally, I think used 565 is the best value. You get a fantastic radio at a really good price. Sure, there are some issues (as there are with any radio) but at the core you get a radio that will be the best radio you have ever owned (assuming you are replacing an older vintage radio).

The hardware fix is not hard to do, or you could just let TenTec do it. Even with the various firmware issues the radio still performs great, in my opinion.

Look at it this way: If my old buddy from LSU Electrical Engineering school back in 1959, Bert W5ZR, says it is a good radio then you can bank on it.

------------------ Wes Attaway (N5WA) ------------------
1138 Waters Edge Circle - Shreveport, LA 71106
318-797-4972 (office) - 318-393-3289 (cell)
Computer Consulting and Forensics
-------------- EnCase Certified Examiner ---------------

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Eric Proshuto
Sent: Wednesday, February 17, 2010 11:00 AM
To: orion565@yahoogroups.com
Subject: [orion565] Orion vs Orion 2 looking weighing the difference - would like some inputþ

I have been researching the Ten Tec offerings.
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tnx
73 N9BOW - Eric

_____

Hotmail: Trusted email with Microsoft□s powerful SPAM protection.
http://clk.atdmt.com/GBL/go/201469226/direct/01/

[Non-text portions of this message have been removed]

Yahoo! Groups Links

5895. Re: [orion565] Orion vs Orion 2 looking weighing the d ifference - would like some inputþ

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 03:39:30 UTC
From: John Morris
Topic: 5895 Message: 5895

Wes, I am an Ole Miss Rebel and I would certainly never bank on anything anyone from LSU ever said. Am heading to NOLA this weekend for a convention and will be holding court at Pat O'Brians from 1730-1900 Sat thru Wed to take on any challengers!! I'll be the guy wearing the Ten Tec hat. Drinks on me!! 73!

John, W4GD
----- Original Message -----
From: "Wes Attaway (N5WA)" <wesattaway@...>
To: <orion565@yahoogroups.com>
Sent: Wednesday, February 17, 2010 3:29 PM
Subject: RE: [orion565] Orion vs Orion 2 looking weighing the difference - would like some input?

Personally, I think used 565 is the best value. You get a fantastic radio at a really good price. Sure, there are some issues (as there are with any radio) but at the core you get a radio that will be the best radio you have ever owned (assuming you are replacing an older vintage radio).

The hardware fix is not hard to do, or you could just let TenTec do it. Even with the various firmware issues the radio still performs great, in my opinion.

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------------------ Wes Attaway (N5WA) ------------------
1138 Waters Edge Circle - Shreveport, LA 71106
318-797-4972 (office) - 318-393-3289 (cell)
Computer Consulting and Forensics
-------------- EnCase Certified Examiner ---------------

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Eric Proshuto
Sent: Wednesday, February 17, 2010 11:00 AM
To: orion565@yahoogroups.com
Subject: [orion565] Orion vs Orion 2 looking weighing the difference - would like some input?

I have been researching the Ten Tec offerings.
I really like the 566 but the price new is out of my reach, the price used is kind of a stretch also and there fore have been looking at the Orion I.
So I am posting this question to the group.
What am I missing out on by picking up a used Orion mod 565 and not a used

Orion II? What avout the hardware fix needed on the Orion I I see mentioned in the used sales?

Are there any owners of both that can give a side by side?

My operating will be casual contesting, DX and some rag chewing..Both CW and SSB

tnx
73 N9BOW - Eric

_____
Hotmail: Trusted email with Microsoft's powerful SPAM protection.
http://clk.atdmt.com/GBL/go/201469226/direct/01/

[Non-text portions of this message have been removed]

Yahoo! Groups Links

Yahoo! Groups Links

5896. 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 04:13:49 UTC
From: w3bmk
Topic: 5896 Message: 5896

hello i have the ten tec 565 it lost its transmit did a reset and still does not work it does recieve has any one have had the same problem thanks carl w3bmk from western pa.

5897. Re: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 09:57:12 UTC
From: Rob - G4LMW
Topic: 5896 Message: 5897

Carl

Is this in all modes?
What ACTUALLY happens?
What happens when you press "TUNE"?
What does the "RF Power Out" (top left corner of display) say?

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "w3bmk" <w3bmk@...>
To: <orion565@yahoogroups.com>
Sent: Thursday, February 18, 2010 4:13 AM
Subject: [orion565] 565 no transmit

> hello i have the ten tec 565 it lost its transmit did a reset and still
> does not work it does recieve has any one have had the same problem thanks
> carl w3bmk from western pa.
>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>

5898. Re: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 12:10:59 UTC
From: Barry N1EU
Topic: 5896 Message: 5898

Do you have TX enabled? Do you have keying loop turned off?

73,
Barry N1EU

On Thu, Feb 18, 2010 at 4:13 AM, w3bmk <w3bmk@...> wrote:

>
>
> hello i have the ten tec 565 it lost its transmit did a reset and still
> does not work it does recieve has any one have had the same problem thanks
> carl w3bmk from western pa.
>
>
>

[Non-text portions of this message have been removed]

5899. RE: [orion565] Orion vs Orion 2 looking weighing the d ifference - would like some inputþ

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 14:14:29 UTC
From: Wes Attaway (N5WA)
Topic: 5895 Message: 5899

Well, I would be there if I could. We could trade school and Orion war stories!

At least you know to come to LA to have fun! I☐ll bet you learned that at Ole Miss.

---------- Wes Attaway (N5WA) ----------

1138 Waters Edge Circle - Shreveport, LA 71106

318-797-4972 (office) - 318-393-3289 (cell)

Computer Consulting and Forensics

---------- EnCase Certified Examiner ----------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John Morris
Sent: Wednesday, February 17, 2010 9:40 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion vs Orion 2 looking weighing the difference - would like some inputþ

Wes, I am an Ole Miss Rebel and I would certainly never bank on anything anyone from LSU ever said. Am heading to NOLA this weekend for a convention and will be holding court at Pat O'Brians from 1730-1900 Sat thru Wed to take on any challengers!! I'll be the guy wearing the Ten Tec hat. Drinks on

me!! 73!

John, W4GD
----- Original Message -----
From: "Wes Attaway (N5WA)" <wesattaway@bellsout
<mailto:wesattaway%40bellsouth.net> h.net>
To: <orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com>
Sent: Wednesday, February 17, 2010 3:29 PM
Subject: RE: [orion565] Orion vs Orion 2 looking weighing the difference - would like some inputþ

Personally, I think used 565 is the best value. You get a fantastic radio at a really good price. Sure, there are some issues (as there are with any radio) but at the core you get a radio that will be the best radio you have ever owned (assuming you are replacing an older vintage radio).

The hardware fix is not hard to do, or you could just let TenTec do it.
Even with the various firmware issues the radio still performs great, in my opinion.

Look at it this way: If my old buddy from LSU Electrical Engineering school back in 1959, Bert W5ZR, says it is a good radio then you can bank on it.

------------------ Wes Attaway (N5WA) ------------------
1138 Waters Edge Circle - Shreveport, LA 71106
318-797-4972 (office) - 318-393-3289 (cell)
Computer Consulting and Forensics
-------------- EnCase Certified Examiner ---------------

-----Original Message-----
From: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com [mailto:orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com] On Behalf
Of Eric Proshuto
Sent: Wednesday, February 17, 2010 11:00 AM
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Subject: [orion565] Orion vs Orion 2 looking weighing the difference - would like some inputþ

I have been researching the Ten Tec offerings.
I really like the 566 but the price new is out of my reach, the price used is kind of a stretch also and there fore have been looking at the Orion I.
So I am posting this question to the group.
What am I missing out on by picking up a used Orion mod 565 and not a used Orion II? What avout the hardware fix needed on the Orion I I see mentioned in the used sales?

Are there any owners of both that can give a side by side?

My operating will be casual contesting, DX and some rag chewing..Both CW and SSB

tnx
73 N9BOW - Eric

_____
Hotmail: Trusted email with Microsoft's powerful SPAM protection.
http://clk.atdmt. <http://clk.atdmt.com/GBL/go/201469226/direct/01/>
com/GBL/go/201469226/direct/01/

[Non-text portions of this message have been removed]

Yahoo! Groups Links

Yahoo! Groups Links

[Non-text portions of this message have been removed]

5900. Trade Orion/LP-Pan for Omni VII

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 14:53:49 UTC
From: John Huffman
Topic: 5900 Message: 5900

I've enjoyed using one of the best transceivers ever made, but would like to set up a remote station and the Omni VII would be perfect.

Want to trade -
Have
Ten Tec Orion 1 (565) - Excellent condition, no issues.
Has Autotuner
Has 1000hz Ten Tec or 600hz Inrad filters, Ten Tec 1.8khz and 250hz filters
Has Clifton Labs Z10000 buffer amplifier that brings the 9mhz IF out to the "Spare" jack on the back of the Orion.
Has all updates for Version 2 firmware and is loaded with the latest beta Version 2.063XG
LP-Pan - Excellent condition, no issues
LP-Pan takes the 9mhz IF from the back panel and converts it into I and Q signals for a sound card.
To have the real-time, point and QSY PowerSDR panadapter you would need to add one of the recommended sound cards
http://www.telepostinc.com/soundcards.html
and free software.

Want
Ten Tec Omni VII with autotuner in excellent condition, no issues.

Please reply directly to hjohnc at gmail dot com

Thanks!

73 de K1ESE
John

5901. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 15:39:40 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5901

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap AGC program/Orion AGC macro v2 20031.zip
Uploaded by : pa1ap <pa1ap@...>
Description : Orion AGC macro V2 20031 upgrade. Contains Antenna selector and includes some small patches. This will be the last version. Project closed :-)

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/Orion%20AGC%20macro%20v2%2020031.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5902. Re: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 16:33:53 UTC
From: Milford Ekas
Topic: 5896 Message: 5902

good day barry the tx is enabled and the keying loops are off i just dont understand it just stoped transmitting i went to make a call no transmitt it has been working fine until now thanks for your help 73 carl w3bmk.....

--- On Thu, 2/18/10, Barry N1EU <barry.n1eu@...> wrote:

From: Barry N1EU <barry.n1eu@...>
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroups.com
Date: Thursday, February 18, 2010, 12:10 PM

Do you have TX enabled? Do you have keying loop turned off?

73,
Barry N1EU

On Thu, Feb 18, 2010 at 4:13 AM, w3bmk <w3bmk@yahoo. com> wrote:

>
>
> hello i have the ten tec 565 it lost its transmit did a reset and still
> does not work it does recieve has any one have had the same problem thanks
> carl w3bmk from western pa.
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5903. Re: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 16:35:59 UTC
From: Rob - G4LMW
Topic: 5896 Message: 5903

Do you have an LED lit one side or other of "TX" on the VFO buttons?

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Milford Ekas" <w3bmk@...>
To: <orion565@yahoogroups.com>
Sent: Thursday, February 18, 2010 4:33 PM
Subject: Re: [orion565] 565 no transmit

good day barry the tx is enabled and the keying loops are off i just dont understand it just stoped transmitting i went to make a call no transmitt it has been working fine until now thanks for your help 73 carl w3bmk.....

--- On Thu, 2/18/10, Barry N1EU <barry.n1eu@...> wrote:

From: Barry N1EU <barry.n1eu@...>
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroups.com
Date: Thursday, February 18, 2010, 12:10 PM

Do you have TX enabled? Do you have keying loop turned off?

73,
Barry N1EU

On Thu, Feb 18, 2010 at 4:13 AM, w3bmk <w3bmk@yahoo. com> wrote:

>
>
> hello i have the ten tec 565 it lost its transmit did a reset and still
> does not work it does recieve has any one have had the same problem thanks
> carl w3bmk from western pa.
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

Yahoo! Groups Links

5904. RE: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 16:46:25 UTC
From: John T. Fleming
Topic: 5896 Message: 5904

Carl,

This idea is just a shot in the dark, but behind the buttons on the right hand side of the display is a row of connectors. There are long pins from the CPU board which is behind the LCD display that plug into the connectors. Press the slopping area between the display and the buttons. This will “exercise” the connectors and if things start working again, you have some oxidation on the pins. Good luck.

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Milford Ekas
Sent: Thursday, February 18, 2010 11:34 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] 565 no transmit

good day barry the tx is enabled and the keying loops are off i just dont understand it just stoped transmitting i went to make a call no transmitt it has been working fine until now thanks for your help 73 carl w3bmk.....

[Non-text portions of this message have been removed]

5905. RE: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 17:01:26 UTC
From: Milford Ekas
Topic: 5896 Message: 5905

ok john i will give it a try thanks for your help 73 carl w3bmk.............

--- On Thu, 2/18/10, John T. Fleming <john@...> wrote:

From: John T. Fleming <john@...>
Subject: RE: [orion565] 565 no transmit
To: orion565@yahoogroups.com
Date: Thursday, February 18, 2010, 4:46 PM

Carl,

This idea is just a shot in the dark, but behind the buttons on the right hand side of the display is a row of connectors. There are long pins from the CPU board which is behind the LCD display that plug into the connectors. Press the slopping area between the display and the buttons. This will “exercise” the connectors and if things start working again, you have some oxidation on the pins. Good luck.

John

From: orion565@yahoogroup s.com [mailto:orion565@yahoogroup s.com] On Behalf Of Milford Ekas
Sent: Thursday, February 18, 2010 11:34 AM
To: orion565@yahoogroup s.com
Subject: Re: [orion565] 565 no transmit

good day barry the tx is enabled and the keying loops are off i just dont understand it just stoped transmitting i went to make a call no transmitt it has been working fine until now thanks for your help 73 carl w3bmk....... ....

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5906. Re: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 17:05:55 UTC
From: Barry N1EU
Topic: 5896 Message: 5906

On Thu, Feb 18, 2010 at 9:57 AM, Rob - G4LMW <G4LMW@...> wrote:

> Is this in all modes?
>

> What ACTUALLY happens?
>
> What happens when you press "TUNE"?
> What does the "RF Power Out" (top left corner of display) say?
>
> These were good questions that Rob asked as well.

73,
Barry N1EU

[Non-text portions of this message have been removed]

5907. Re: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 16:45:47 UTC
From: Milford Ekas
Topic: 5896 Message: 5907

good morning rob yes it will not work in any mode when i press tune no out put reading i went to make a call and discovered i had no transmitt it work fine before used this radio every day no problems 73 carl w3bmk.....

--- On Thu, 2/18/10, Rob - G4LMW <G4LMW@btconnect.com> wrote:

From: Rob - G4LMW <G4LMW@...>
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroups.com
Date: Thursday, February 18, 2010, 9:57 AM

Carl

Is this in all modes?
What ACTUALLY happens?
What happens when you press "TUNE"?
What does the "RF Power Out" (top left corner of display) say?

73, Rob
G4LMW
http://www.G4LMW. co.uk

----- Original Message -----
From: "w3bmk" <w3bmk@yahoo. com>
To: <orion565@yahoogroup s.com>
Sent: Thursday, February 18, 2010 4:13 AM
Subject: [orion565] 565 no transmit

> hello i have the ten tec 565 it lost its transmit did a reset and still
> does not work it does recieve has any one have had the same problem thanks
> carl w3bmk from western pa.
>
>
>
> ------------ --------- --------- ------
>
>
> Yahoo! Groups Links
>
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>

[Non-text portions of this message have been removed]

5908. Re: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 17:37:33 UTC
From: bob finger
Topic: 5896 Message: 5908

You did check in the menu to insure TX is turned ON? And RF Power is not turned to zero? 73 bob de w9ge

>
>
>

5909. Re: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 16:53:24 UTC
From: Milford Ekas
Topic: 5896 Message: 5909

i have the led main rx-tx on and vfo -a on and vfo rx on

--- On Thu, 2/18/10, Rob - G4LMW <G4LMW@...> wrote:

From: Rob - G4LMW <G4LMW@...>
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroups.com
Date: Thursday, February 18, 2010, 4:35 PM

Do you have an LED lit one side or other of "TX" on the VFO buttons?

73, Rob
G4LMW
http://www.G4LMW. co.uk

----- Original Message -----
From: "Milford Ekas" <w3bmk@yahoo. com>
To: <orion565@yahoogroup s.com>
Sent: Thursday, February 18, 2010 4:33 PM
Subject: Re: [orion565] 565 no transmit

good day barry the tx is enabled and the keying loops are off i just dont
understand it just stoped transmitting i went to make a call no transmitt it
has been working fine until now thanks for your help 73 carl
w3bmk..... ....

--- On Thu, 2/18/10, Barry N1EU <barry.n1eu@gmail. com> wrote:

From: Barry N1EU <barry.n1eu@gmail. com>
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroup s.com
Date: Thursday, February 18, 2010, 12:10 PM

Do you have TX enabled? Do you have keying loop turned off?

73,
Barry N1EU

On Thu, Feb 18, 2010 at 4:13 AM, w3bmk <w3bmk@yahoo. com> wrote:

>
>
> hello i have the ten tec 565 it lost its transmit did a reset and still
> does not work it does recieve has any one have had the same problem thanks
> carl w3bmk from western pa.
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

5910. Re: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 17:10:24 UTC
From: Milford Ekas
Topic: 5896 Message: 5910

i have tried all the modes still no transmitt ....

--- On Thu, 2/18/10, Barry N1EU <barry.n1eu@...> wrote:

From: Barry N1EU <barry.n1eu@...>
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroups.com
Date: Thursday, February 18, 2010, 5:05 PM

On Thu, Feb 18, 2010 at 9:57 AM, Rob - G4LMW <G4LMW@btconnect. com> wrote:

> Is this in all modes?
>

> What ACTUALLY happens?
>
> What happens when you press "TUNE"?
> What does the "RF Power Out" (top left corner of display) say?
>
> These were good questions that Rob asked as well.

73,
Barry N1EU

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5911. Re: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 18:13:58 UTC
From: jd_hudson@comcast.net
Topic: 5896 Message: 5911

Don't remember the whole thread but I had my O1 apart once (rear panel off) and there's many jumper cables and one in particular that runs into the PA board and I found mine to get pulled out causing no power out. As I remember it looked normal but no RF out. You can't see the connector since its inside the metal box

The cables just push in and can be pulled out pretty easy

Of course I did not find out about this until after putting it all together and NO OUTPUT. Pull it all apart and found the cable pulled out

Good Luck

73
John
KO4XJ
www.w4nja.org/ko4xj.htm

Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: Milford Ekas <w3bmk@...>
Date: Thu, 18 Feb 2010 09:10:24
To: <orion565@yahoogroups.com>
Subject: Re: [orion565] 565 no transmit

i have tried all the modes still no transmitt ....

--- On Thu, 2/18/10, Barry N1EU <barry.n1eu@...> wrote:

From: Barry N1EU <barry.n1eu@...>
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroups.com
Date: Thursday, February 18, 2010, 5:05 PM

On Thu, Feb 18, 2010 at 9:57 AM, Rob - G4LMW <G4LMW@btconnect. com> wrote:

> Is this in all modes?
>

> What ACTUALLY happens?
>
> What happens when you press "TUNE"?
> What does the "RF Power Out" (top left corner of display) say?
>
> These were good questions that Rob asked as well.

73,
Barry N1EU

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5912. RE: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 17:48:59 UTC
From: Robert Carroll
Topic: 5896 Message: 5912

I would try a reset of the transceiver. There is a “gentle” reset in which you lose no data and a brutal one in which all the settings are gone. I forget the button combinations. Write down all the tough adjustments such as the filter peaking and similar things before trying the brutal reset. I had a similar occurrence a number of years back.

Good luck.

73

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Milford Ekas
Sent: Thursday, February 18, 2010 11:53 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] 565 no transmit

i have the led main rx-tx on and vfo -a on and vfo rx on

--- On Thu, 2/18/10, Rob - G4LMW <G4LMW@... <mailto:G4LMW%40btconnect.com> > wrote:

From: Rob - G4LMW <G4LMW@... <mailto:G4LMW%40btconnect.com> >
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Date: Thursday, February 18, 2010, 4:35 PM

Do you have an LED lit one side or other of "TX" on the VFO buttons?

73, Rob
G4LMW
http://www.G4LMW. co.uk

----- Original Message -----
From: "Milford Ekas" <w3bmk@yahoo. com>
To: <orion565@yahoogroup s.com>
Sent: Thursday, February 18, 2010 4:33 PM
Subject: Re: [orion565] 565 no transmit

good day barry the tx is enabled and the keying loops are off i just dont
understand it just stoped transmitting i went to make a call no transmitt it
has been working fine until now thanks for your help 73 carl
w3bmk..... ....

--- On Thu, 2/18/10, Barry N1EU <barry.n1eu@gmail. com> wrote:

From: Barry N1EU <barry.n1eu@gmail. com>
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroup s.com
Date: Thursday, February 18, 2010, 12:10 PM

Do you have TX enabled? Do you have keying loop turned off?

73,
Barry N1EU

On Thu, Feb 18, 2010 at 4:13 AM, w3bmk <w3bmk@yahoo. com> wrote:

>
>
> hello i have the ten tec 565 it lost its transmit did a reset and still
> does not work it does recieve has any one have had the same problem thanks
> carl w3bmk from western pa.
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

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Yahoo! Groups Links

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.733 / Virus Database: 271.1.1/2693 - Release Date: 02/18/10 02:34:00

[Non-text portions of this message have been removed]

5913. Orion II AT for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 18:25:14 UTC
From: reinaldoleandro
Topic: 5913 Message: 5913

Dear Friends:

I am selling my Orion IIAT. Antenna tuner factory installed. Additional 1.8 KHz and 600 Hz filter, accessory bag, original box, regular and Nifty mini-manual. Non smoking shack $ 2800.00 shipped in the USA only.

Also selling LP-PAN kit for Orion $ 150 + shipping.

Please answer direct to yv5amh@....
Phone home: 305 553 6181
Mobile: 305 753 7782

73

Reinaldo, YV5AMH

5914. Re: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 18:33:19 UTC
From: Milford Ekas
Topic: 5896 Message: 5914

thanks bob the tx is on and power is on at 100

--- On Thu, 2/18/10, bob finger <finger@...> wrote:

From: bob finger <finger@...>
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroups.com
Date: Thursday, February 18, 2010, 5:37 PM

You did check in the menu to insure TX is turned ON? And RF Power is not
turned to zero? 73 bob de w9ge

>
>
>

Yahoo! Groups Links

[Non-text portions of this message have been removed]

5915. Re: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 18:30:23 UTC
From: Milford Ekas
Topic: 5896 Message: 5915

thanks john i will check this out just maybe thats the problem thanks for the info and your time 73 carl w3bmk.....

--- On Thu, 2/18/10, jd_hudson@... <jd_hudson@...> wrote:

From: jd_hudson@comcast.net <jd_hudson@...>
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroups.com
Date: Thursday, February 18, 2010, 6:13 PM

Don't remember the whole thread but I had my O1 apart once (rear panel off) and there's many jumper cables and one in particular that runs into the PA board and I found mine to get pulled out causing no power out. As I remember it looked normal but no RF out. You can't see the connector since its inside the metal box

The cables just push in and can be pulled out pretty easy

Of course I did not find out about this until after putting it all together and NO OUTPUT. Pull it all apart and found the cable pulled out

Good Luck

73
John
KO4XJ
www.w4nja.org/ ko4xj.htm

Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: Milford Ekas <w3bmk@yahoo. com>
Date: Thu, 18 Feb 2010 09:10:24
To: <orion565@yahoogroup s.com>
Subject: Re: [orion565] 565 no transmit

i have tried all the modes still no transmitt ....

--- On Thu, 2/18/10, Barry N1EU <barry.n1eu@gmail. com> wrote:

From: Barry N1EU <barry.n1eu@gmail. com>
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroup s.com
Date: Thursday, February 18, 2010, 5:05 PM

On Thu, Feb 18, 2010 at 9:57 AM, Rob - G4LMW <G4LMW@btconnect. com> wrote:

> Is this in all modes?
>

> What ACTUALLY happens?
>
> What happens when you press "TUNE"?
> What does the "RF Power Out" (top left corner of display) say?
>
> These were good questions that Rob asked as well.

73,
Barry N1EU

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5916. Re: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 18:42:34 UTC
From: jd_hudson@comcast.net
Topic: 5896 Message: 5916

Don't remember the whole thread but I had my O1 apart once (rear panel off) and there's many jumper cables and one in particular that runs into the PA board and I found mine to get pulled out causing no power out. As I remember it looked normal but no RF out. You can't see the connector since its inside the metal box

The cables just push in and can be pulled out pretty easy

Of course I did not find out about this until after putting it all together and NO OUTPUT. Pull it all apart and found the cable pulled out

Good Luck

73
John
KO4XJ
www.w4nja.org/ko4xj.htm

Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: Milford Ekas <w3bmk@...>
Date: Thu, 18 Feb 2010 09:10:24
To: <orion565@yahoogroups.com>
Subject: Re: [orion565] 565 no transmit

i have tried all the modes still no transmitt ....

--- On Thu, 2/18/10, Barry N1EU <barry.n1eu@...> wrote:

From: Barry N1EU <barry.n1eu@...>
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroups.com
Date: Thursday, February 18, 2010, 5:05 PM

On Thu, Feb 18, 2010 at 9:57 AM, Rob - G4LMW <G4LMW@btconnect. com> wrote:

> Is this in all modes?
>

> What ACTUALLY happens?
>
> What happens when you press "TUNE"?
> What does the "RF Power Out" (top left corner of display) say?
>
> These were good questions that Rob asked as well.

73,
Barry N1EU

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5917. Re: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 18:05:50 UTC
From: Rob - G4LMW
Topic: 5896 Message: 5917

...and you did not tell us what it says at the very top left corner of your display (next to the "PWR" button)???

If all else fails, have you tried a master reset?

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Milford Ekas" <w3bmk@...>
To: <orion565@yahoogroups.com>
Sent: Thursday, February 18, 2010 5:10 PM
Subject: Re: [orion565] 565 no transmit

i have tried all the modes still no transmitt ....

--- On Thu, 2/18/10, Barry N1EU <barry.n1eu@...> wrote:

From: Barry N1EU <barry.n1eu@...>
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroups.com
Date: Thursday, February 18, 2010, 5:05 PM

On Thu, Feb 18, 2010 at 9:57 AM, Rob - G4LMW <G4LMW@btconnect. com> wrote:

> Is this in all modes?
>

> What ACTUALLY happens?
>
> What happens when you press "TUNE"?
> What does the "RF Power Out" (top left corner of display) say?
>
> These were good questions that Rob asked as well.

73,
Barry N1EU

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Yahoo! Groups Links

5918. Re: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 18:03:24 UTC
From: Rob - G4LMW
Topic: 5896 Message: 5918

Sorry

Just trying to eliminate all causes.

You didn't actually say whether you had an LED lit left or right of "TX"

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Milford Ekas" <w3bmk@...>
To: <orion565@yahoogroups.com>
Sent: Thursday, February 18, 2010 4:53 PM
Subject: Re: [orion565] 565 no transmit

i have the led main rx-tx on and vfo -a on and vfo rx on

--- On Thu, 2/18/10, Rob - G4LMW <G4LMW@...> wrote:

From: Rob - G4LMW <G4LMW@...>
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroups.com
Date: Thursday, February 18, 2010, 4:35 PM

Do you have an LED lit one side or other of "TX" on the VFO buttons?

73, Rob
G4LMW
http://www.G4LMW. co.uk

----- Original Message -----
From: "Milford Ekas" <w3bmk@yahoo. com>
To: <orion565@yahoogroup s.com>
Sent: Thursday, February 18, 2010 4:33 PM
Subject: Re: [orion565] 565 no transmit

good day barry the tx is enabled and the keying loops are off i just dont
understand it just stoped transmitting i went to make a call no transmitt it
has been working fine until now thanks for your help 73 carl
w3bmk..... ....

--- On Thu, 2/18/10, Barry N1EU <barry.n1eu@gmail. com> wrote:

From: Barry N1EU <barry.n1eu@gmail. com>
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroup s.com
Date: Thursday, February 18, 2010, 12:10 PM

Do you have TX enabled? Do you have keying loop turned off?

73,
Barry N1EU

On Thu, Feb 18, 2010 at 4:13 AM, w3bmk <w3bmk@yahoo. com> wrote:

>
>
> hello i have the ten tec 565 it lost its transmit did a reset and still
> does not work it does recieve has any one have had the same problem thanks
> carl w3bmk from western pa.
>
>
>

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Yahoo! Groups Links

[Non-text portions of this message have been removed]

Yahoo! Groups Links

5919. Re: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 19:17:13 UTC
From: Milford Ekas
Topic: 5896 Message: 5919

next to power button is 100 also did a master reset

--- On Thu, 2/18/10, Rob - G4LMW <G4LMW@...> wrote:

From: Rob - G4LMW <G4LMW@btconnect.com>
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroups.com
Date: Thursday, February 18, 2010, 6:05 PM

...and you did not tell us what it says at the very top left corner of your
display (next to the "PWR" button)???

If all else fails, have you tried a master reset?

73, Rob
G4LMW
http://www.G4LMW. co.uk

----- Original Message -----
From: "Milford Ekas" <w3bmk@yahoo. com>
To: <orion565@yahoogroup s.com>
Sent: Thursday, February 18, 2010 5:10 PM
Subject: Re: [orion565] 565 no transmit

i have tried all the modes still no transmitt ....

--- On Thu, 2/18/10, Barry N1EU <barry.n1eu@gmail. com> wrote:

From: Barry N1EU <barry.n1eu@gmail. com>
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroup s.com
Date: Thursday, February 18, 2010, 5:05 PM

On Thu, Feb 18, 2010 at 9:57 AM, Rob - G4LMW <G4LMW@btconnect. com> wrote:

> Is this in all modes?
>

> What ACTUALLY happens?
>
> What happens when you press "TUNE"?
> What does the "RF Power Out" (top left corner of display) say?
>
> These were good questions that Rob asked as well.

73,
Barry N1EU

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Yahoo! Groups Links

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5920. Re: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 19:27:00 UTC
From: N9ETD@AOL.COM
Topic: 5896 Message: 5920

Carl,
A friend of mine had that happen with his Orion II equipped with an internal antenna tuner. It turned out to be the antenna tuner causing the problem.

73, Craig N9ETD

[Non-text portions of this message have been removed]

5921. 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-19 01:03:42 UTC
From: Luther Phillips
Topic: 5896 Message: 5921

Hello, Carl & the Group:

This exact problem happened to me with an Orion on loan from N4DD, and you may have seen some posts about it a week or so ago. I could not get the rig to transmit in any mode, and the ALC light did not blink at any setting. I could hear the rig transmitting CW on another rig sitting right beside it, but the output was so low that it would not register on a QRP wattmeter set to the mW range. I tried all types of resets and even re-loaded the firmware to no avail. After consulting with the owner, we decided it would be worth a try to rotate the small internal ALC trim pot to see if that had any effect. It did! The rig started transmitting again after rotating the pot slightly. Of course, the ALC setting was then out of adjustment, but I was able to get it back in control by keying the rig in CW mode while checking the RF out setting against an external wattmeter and tweaking the pot until 50% equaled 50 watts out, and 100% equaled 100 watts out, give or take a few. This pot setting seems to be quite sensitive, so expect some eratic power output readings while adjusting. I observed readings of 33 to 133 watts CW out with the power control set to 100% until I found the proper setting. The internal meter would read anywhere from 0 to pegged during this time as well. Also, there are other pots close by to adjust the foward and SWR readings for the internal metering if you need to adjust those, but I did not mess with them. I don't recall the name of the board that these pots are located on, but they are on the top right-hand side of the radio close to the front panel. You should be able to spot them as soon as you pull the top cover off. Hope this helps, and good luck.

73,
Luther N4UW

5922. RE: [orion565] 565 no transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-18 18:25:44 UTC
From: Milford Ekas
Topic: 5896 Message: 5922

hello bob did the reset but still have the problem thanks for your help 73 carl w3bmk

--- On Thu, 2/18/10, Robert Carroll <w2wg@...> wrote:

From: Robert Carroll <w2wg@...>
Subject: RE: [orion565] 565 no transmit
To: orion565@yahoogroups.com
Date: Thursday, February 18, 2010, 5:48 PM

I would try a reset of the transceiver. There is a “gentle” reset in which you lose no data and a brutal one in which all the settings are gone. I forget the button combinations. Write down all the tough adjustments such as the filter peaking and similar things before trying the brutal reset. I had a similar occurrence a number of years back.

Good luck.

73

Bob W2WG

From: orion565@yahoogroup s.com [mailto:orion565@yahoogroup s.com] On Behalf Of Milford Ekas
Sent: Thursday, February 18, 2010 11:53 AM
To: orion565@yahoogroup s.com
Subject: Re: [orion565] 565 no transmit

i have the led main rx-tx on and vfo -a on and vfo rx on

--- On Thu, 2/18/10, Rob - G4LMW <G4LMW@btconnect. com <mailto:G4LMW% 40btconnect. com> > wrote:

From: Rob - G4LMW <G4LMW@btconnect. com <mailto:G4LMW% 40btconnect. com> >
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroup s.com <mailto:orion565% 40yahoogroups. com>
Date: Thursday, February 18, 2010, 4:35 PM

Do you have an LED lit one side or other of "TX" on the VFO buttons?

73, Rob
G4LMW
http://www.G4LMW. co.uk

----- Original Message -----
From: "Milford Ekas" <w3bmk@yahoo. com>
To: <orion565@yahoogrou p s.com>
Sent: Thursday, February 18, 2010 4:33 PM
Subject: Re: [orion565] 565 no transmit

good day barry the tx is enabled and the keying loops are off i just dont understand it just stoped transmitting i went to make a call no transmitt it has been working fine until now thanks for your help 73 carl w3bmk..... ....

--- On Thu, 2/18/10, Barry N1EU <barry.n1eu@ gmail. com> wrote:

From: Barry N1EU <barry.n1eu@ gmail. com>
Subject: Re: [orion565] 565 no transmit
To: orion565@yahoogroup s.com
Date: Thursday, February 18, 2010, 12:10 PM

Do you have TX enabled? Do you have keying loop turned off?

73,
Barry N1EU

On Thu, Feb 18, 2010 at 4:13 AM, w3bmk <w3bmk@yahoo. com> wrote:

>
>
> hello i have the ten tec 565 it lost its transmit did a reset and still
> does not work it does recieve has any one have had the same problem thanks
> carl w3bmk from western pa.
>
>
>

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Yahoo! Groups Links

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No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.733 / Virus Database: 271.1.1/2693 - Release Date: 02/18/10 02:34:00

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[Non-text portions of this message have been removed]

5923. Orion 565 Moderation

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-19 05:39:35 UTC
From: w2aji
Topic: 5923 Message: 5923

Hello David:

I haven't seen any moderation activity from you in recent times and I am inquiring whether you have a continuing interest in moderating the Orion reflector.

Thank you for your reply.

73,

Mike
W2AJI
Owner Orion 565 Reflector

5924. Re: [orion565] Orion I & II Firmware forthcoming

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-19 16:17:07 UTC
From: Fabio Liberatori
Topic: 5877 Message: 5924

Hello,
am I wrong, or the page about radio development status
(on TenTec WEB site) has been removed ?

Any info about it will be very appreciated, thanks !

Fabio, I0LBE

5925. Re: [orion565] Orion I & II Firmware forthcoming

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-19 16:58:16 UTC
From: James Streible
Topic: 5877 Message: 5925

Fabio,

I just checked and it is still there. However, it is hidden
several layers down. You have to go to the radio page
and click on the picture of the Orion II and that brings up a
page that has the last version v2.041xt on it. It also had the v2,039d
firmware also.

73,

Jim K4DLI

Fabio Liberatori wrote:
>
>
> Hello,
> am I wrong, or the page about radio development status
> (on TenTec WEB site) has been removed ?
>
> Any info about it will be very appreciated, thanks !
>
> Fabio, I0LBE
>
>
>

5926. Re: [orion565] Orion I & II Firmware forthcoming

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-19 18:48:55 UTC
From: Fabio Liberatori
Topic: 5877 Message: 5926

Il giorno 19/feb/10, alle ore 17:58, James Streible ha scritto:

> Fabio,
>
> I just checked and it is still there. However, it is hidden
> several layers down. You have to go to the radio page
> and click on the picture of the Orion II and that brings up a
> page that has the last version v2.041xt on it. It also had the v2,039d
> firmware also.
>
> 73,
>
> Jim K4DLI

Great, Jim,
thanks a lot ! :-)

Fabio, I0LBE

5929. Re: [orion565] Orion I & II Firmware forthcoming

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-19 20:05:27 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 5877 Message: 5929

You mention that the website has the two versions up, V2.039d and V2.041xt, just checking but isn't 2.039d a release and 2.041xt a beta ? . 2.041xt hasn't been released as such as it's recommended for anything but testing.

Personally I'm waiting on a T*T approved, fully functioning version before I upgrade.

-K3SAM

From: Martin Ewing <martin.s.ewing@...>
To: orion565@yahoogroups.com
Sent: Fri, February 19, 2010 2:10:02 PM
Subject: Re: [orion565] Orion I & II Firmware forthcoming

The page http://radio. tentec.com/ status is gone. It used to predict the
future Orion firmware release schedule, as I recall, but the predictions did
not seem to come true.

Better not to have such a page than to have one that is wrong!

73 Martin AA6E

On Fri, Feb 19, 2010 at 1:48 PM, Fabio Liberatori <liber.fab@iol. it> wrote:

>
> Il giorno 19/feb/10, alle ore 17:58, James Streible ha scritto:
>
> > Fabio,
> >
> > I just checked and it is still there. However, it is hidden
> > several layers down. You have to go to the radio page
> > and click on the picture of the Orion II and that brings up a
> > page that has the last version v2.041xt on it. It also had the v2,039d
> > firmware also.
> >
> > 73,
> >
> > Jim K4DLI
>
>
> Great, Jim,
> thanks a lot ! :-)
>
> Fabio, I0LBE
>
>
> ------------ --------- --------- ------

>
>
> Yahoo! Groups Links
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>

--
Dr. Martin S. Ewing, AA6E
Member IEEE, URSI, AAS, ARRL
Branford, Connecticut

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5930. Re: [orion565] Orion I & II Firmware forthcoming

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-19 21:40:14 UTC
From: James Streible
Topic: 5877 Message: 5930

>
>
> Personally I'm waiting on a T*T approved, fully functioning version
> before I upgrade.
>
> -K3SAM
>
> AS you wish.

>

5931. Re: [orion565] Orion I & II Firmware forthcoming

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-19 22:02:48 UTC
From: ab4iq@comcast.net
Topic: 5877 Message: 5931

I have been using 2.041xt since I first found it in the download section. No problems with it here.

Ed... AB4IQ

----- Original Message -----
From: "Sam W. Jacobs, C.E.T." <Sam@...>
To: orion565@yahoogroups.com
Sent: Friday, February 19, 2010 2:05:27 PM GMT -06:00 US/Canada Central
Subject: Re: [orion565] Orion I & II Firmware forthcoming

You mention that the website has the two versions up, V2.039d and V2.041xt, just checking but isn't 2.039d a release and 2.041xt a beta ? . 2.041xt hasn't been released as such as it's recommended for anything but testing.

Personally I'm waiting on a T*T approved, fully functioning version before I upgrade.

-K3SAM

From: Martin Ewing < martin.s.ewing@... >
To: orion565@yahoogroups.com
Sent: Fri, February 19, 2010 2:10:02 PM
Subject: Re: [orion565] Orion I & II Firmware forthcoming

The page http://radio. tentec.com/ status is gone. It used to predict the
future Orion firmware release schedule, as I recall, but the predictions did
not seem to come true.

Better not to have such a page than to have one that is wrong!

73 Martin AA6E

On Fri, Feb 19, 2010 at 1:48 PM, Fabio Liberatori <liber.fab@iol. it> wrote:

>
> Il giorno 19/feb/10, alle ore 17:58, James Streible ha scritto:
>
> > Fabio,
> >
> > I just checked and it is still there. However, it is hidden
> > several layers down. You have to go to the radio page
> > and click on the picture of the Orion II and that brings up a
> > page that has the last version v2.041xt on it. It also had the v2,039d
> > firmware also.
> >
> > 73,
> >

> > Jim K4DLI
>
>
> Great, Jim,
> thanks a lot ! :-)
>
> Fabio, I0LBE
>
>
> ------------ --------- --------- ------
>
>
> Yahoo! Groups Links
>
>
>
>

--
Dr. Martin S. Ewing, AA6E
Member IEEE, URSI, AAS, ARRL
Branford, Connecticut

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[Non-text portions of this message have been removed]

5932. Re: [orion565] Orion I & II Firmware forthcoming

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-19 22:14:03 UTC
From: James Streible
Topic: 5877 Message: 5932

There was also a beta version v2.041xl. This is the one I am running now
but have
also tried v2.041xt and don't see much difference. I do think the audio
in xl sounds
a little better then xt.

Jim K4DLI

ab4iq@... wrote:
>
>
>
> I have been using 2.041xt since I first found it in the download
> section.? No problems with it here.
>
> Ed... AB4IQ
>
> ----- Original Message -----
> From: "Sam W. Jacobs, C.E.T." <Sam@... <mailto:Sam%40k3sam.com>>
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Sent: Friday, February 19, 2010 2:05:27 PM GMT -06:00 US/Canada Central
> Subject: Re: [orion565] Orion I & II Firmware forthcoming
>
> ?
>
> You mention that the website has the two versions up, V2.039d and
> V2.041xt, just checking but isn't 2.039d a release and 2.041xt a beta
> ? . 2.041xt hasn't been released as such as it's recommended for
> anything but testing.
>
> Personally I'm waiting on a T*T approved, fully functioning version
> before I upgrade.
>
> -K3SAM
>
> _____
> From: Martin Ewing < martin.s.ewing@...
> <mailto:martin.s.ewing%40gmail.com> >
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Sent: Fri, February 19, 2010 2:10:02 PM
> Subject: Re: [orion565] Orion I & II Firmware forthcoming
>
> The page http://radio. tentec.com/ status is gone. It used to predict the
> future Orion firmware release schedule, as I recall, but the
> predictions did

> not seem to come true.
>
> Better not to have such a page than to have one that is wrong!
>
> 73 Martin AA6E
>
> On Fri, Feb 19, 2010 at 1:48 PM, Fabio Liberatori <liber.fab@iol. it>
> wrote:
>
> >
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> > > Fabio,
> > >
> > > I just checked and it is still there. However, it is hidden
> > > several layers down. You have to go to the radio page
> > > and click on the picture of the Orion II and that brings up a
> > > page that has the last version v2.041xt on it. It also had the
> v2,039d
> > > firmware also.
> > >
> > > 73,
> > >
> > > Jim K4DLI
> >
> >
> > Great, Jim,
> > thanks a lot ! :-)
> >
> > Fabio, I0LBE
> >
> >
> > ------------ --------- --------- ------
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> > Yahoo! Groups Links
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> >
> > --
> Dr. Martin S. Ewing, AA6E
> Member IEEE, URSI, AAS, ARRL
> Branford, Connecticut
>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
>

> [Non-text portions of this message have been removed]
>
>

5933. Re: [orion565] Orion I & II Firmware forthcoming

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-19 22:16:32 UTC
From: k3xr@comcast.net
Topic: 5877 Message: 5933

Agree with ED.....AB4IQ.....works fine here also........DAN, K3XR
----- Original Message -----
From: ab4iq@...
To: orion565@yahoogroups.com
Sent: Friday, February 19, 2010 5:02:48 PM GMT -05:00 US/Canada Eastern
Subject: Re: [orion565] Orion I & II Firmware forthcoming

I have been using 2.041xt since I first found it in the download section. No problems with it here.

Ed... AB4IQ

----- Original Message -----
From: "Sam W. Jacobs, C.E.T." < Sam@... >
To: orion565@yahoogroups.com
Sent: Friday, February 19, 2010 2:05:27 PM GMT -06:00 US/Canada Central
Subject: Re: [orion565] Orion I & II Firmware forthcoming

You mention that the website has the two versions up, V2.039d and V2.041xt, just checking but isn't 2.039d a release and 2.041xt a beta ? . 2.041xt hasn't been released as such as it's recommended for anything but testing.

Personally I'm waiting on a T*T approved, fully functioning version before I upgrade.

-K3SAM

_____
From: Martin Ewing < martin.s.ewing@... >
To: orion565@yahoogroups.com
Sent: Fri, February 19, 2010 2:10:02 PM
Subject: Re: [orion565] Orion I & II Firmware forthcoming

The page http://radio. tentec.com/ status is gone. It used to predict the
future Orion firmware release schedule, as I recall, but the predictions did
not seem to come true.

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On Fri, Feb 19, 2010 at 1:48 PM, Fabio Liberatori <liber.fab@iol. it> wrote:

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> Il giorno 19/feb/10, alle ore 17:58, James Streible ha scritto:
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> > Fabio,
> >
> > I just checked and it is still there. However, it is hidden

> > several layers down. You have to go to the radio page
> > and click on the picture of the Orion II and that brings up a
> > page that has the last version v2.041xt on it. It also had the v2,039d
> > firmware also.
> >
> > 73,
> >
> > Jim K4DLI
>
>
> Great, Jim,
> thanks a lot ! :-)
>
> Fabio, I0LBE
>
>
> ------------ --------- --------- ------
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>
> Yahoo! Groups Links
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Dr. Martin S. Ewing, AA6E
Member IEEE, URSI, AAS, ARRL
Branford, Connecticut

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5934. RE: [orion565] Orion I & II Firmware forthcoming

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-20 01:39:49 UTC
From: Andrew B. Steen
Topic: 5877 Message: 5934

I agree. After suffering with the bugs in 041 for awhile, I switched back to 039. I actually appreciate it more!

Andrew K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Sam W. Jacobs, C.E.T.
Sent: Friday, February 19, 2010 12:05 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion I & II Firmware forthcoming

You mention that the website has the two versions up, V2.039d and V2.041xt, just checking but isn't 2.039d a release and 2.041xt a beta ? . 2.041xt hasn't been released as such as it's recommended for anything but testing.

Personally I'm waiting on a T*T approved, fully functioning version before I upgrade.

-K3SAM

From: Martin Ewing <martin.s.ewing@ <mailto:martin.s.ewing%40gmail.com> gmail.com>
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Sent: Fri, February 19, 2010 2:10:02 PM
Subject: Re: [orion565] Orion I & II Firmware forthcoming

The page http://radio. tentec.com/ status is gone. It used to predict the future Orion firmware release schedule, as I recall, but the predictions did not seem to come true.

Better not to have such a page than to have one that is wrong!

73 Martin AA6E

On Fri, Feb 19, 2010 at 1:48 PM, Fabio Liberatori <liber.fab@iol. it> wrote:

>
> Il giorno 19/feb/10, alle ore 17:58, James Streible ha scritto:
>
> > Fabio,
> >
> > I just checked and it is still there. However, it is hidden
> > several layers down. You have to go to the radio page
> > and click on the picture of the Orion II and that brings up a
> > page that has the last version v2.041xt on it. It also had the v2,039d

> > firmware also.
> >
> > 73,
> >
> > Jim K4DLI
>
>
> Great, Jim,
> thanks a lot ! :-)
>
> Fabio, I0LBE
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> Yahoo! Groups Links
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Dr. Martin S. Ewing, AA6E
Member IEEE, URSI, AAS, ARRL
Branford, Connecticut

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5935. Orion RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-24 01:57:23 UTC
From: Barry N1EU
Topic: 5935 Message: 5935

Could someone please post the info on the temporary fix for a non-functioning Orion RIT encoder that involved pressing on the bezel around the display? I looked on the Ten-Tec wiki but couldn't find this fix described.

Thanks & 73,
Barry N1EU

5936. Re: [orion565] Orion RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-24 02:15:55 UTC
From: Alan Sewell N5NA
Topic: 5935 Message: 5936

Maybe this is it.

<http://lists.contesting.com/_tentec/2009-02/msg00266.html>

73,

Alan N5NA

Barry N1EU wrote:
> Could someone please post the info on the temporary fix for a
> non-functioning Orion RIT encoder that involved pressing on the bezel
> around the display? I looked on the Ten-Tec wiki but couldn't find
> this fix described.
>
> Thanks & 73,
> Barry N1EU
>
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> Yahoo! Groups Links
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5937. RE: [orion565] Orion RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-24 02:16:39 UTC
From: Robert Carroll
Topic: 5935 Message: 5937

Barry-

That was for an Orion II, and it was for the multi encoder. It was posted by K4DLI, who lives near me. Based on his experience I have had some luck pressing the panel on the left side of the Orion 1 RIT. You might try this as I cringe every time I pull on the RIT knob. You may recall Paul Clinton eventually replaced my Orion I with the never-observed RIT problem with a unit from their used stock. I got the replacement back in July 2008. The RIT was fine till about 6 months ago when I saw the problem on this unit as well, pulled on the RIT knob and all was fine for weeks. It then failed again, and I pulled again. All well. But it gradually got worse and worse. By the contest this weekend I had to press on the panel or tug on the RIT for practically every QSO in which I tried to use the RIT—which was very often. I did receive the email from Paul Clinton back in 2008 saying that one user had reported a fix. The story behind this, if you haven't heard it, was that the user was a close friend of Jack Burchfield and after being frustrated with the service department set forth to find the problem and the cure and worked through Jack to get the word out to the rest of us who had complained. I am not sure whether the service department has ever actually owned up to the problem or whether they will attempt to fix it if you send a 565 in—or if they will continue to say they have never been able to reproduce the problem . Strangely enough, I sent an email to Jack today reporting my situation and asking for help. I don't want to ship the unit back unless I know the old "trouble not found you must be doing something wrong or hallucinating" response will not come back. If you or any other reflector members have a further update on the situation or more info on how to cure the problem permanently, I would like the info. I had been under the impression that this was a 5% problem when the reflector was hot with it years back, but after experiencing it with two 565's I suspect that may not be the situation as units age.

73

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Tuesday, February 23, 2010 8:57 PM
To: Discussion of Ten-Tec Equipment; Orion565
Subject: [orion565] Orion RIT encoder

Could someone please post the info on the temporary fix for a
non-functioning Orion RIT encoder that involved pressing on the bezel
around the display? I looked on the Ten-Tec wiki but couldn't find
this fix described.

Thanks & 73,
Barry N1EU

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.733 / Virus Database: 271.1.1/2705 - Release Date: 02/23/10 02:34:00

[Non-text portions of this message have been removed]

5938. Re: [orion565] Orion RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-24 02:47:50 UTC
From: Barry N1EU
Topic: 5935 Message: 5938

Thanks Alan. That did the trick!

73,
Barry N1EU

On Wed, Feb 24, 2010 at 2:15 AM, Alan Sewell N5NA <alan.n5na@...>wrote:

>
>
> Maybe this is it.
>
> <http://lists.contesting.com/_tentec/2009-02/msg00266.html>
>
> 73,
>
> Alan N5NA
>
> Barry N1EU wrote:
> > Could someone please post the info on the temporary fix for a
> > non-functioning Orion RIT encoder that involved pressing on the bezel
> > around the display? I looked on the Ten-Tec wiki but couldn't find
> > this fix described.
> >
> > Thanks & 73,
> > Barry N1EU
> >
> >
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[Non-text portions of this message have been removed]

5939. Re: [orion565] Orion RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-24 03:59:51 UTC
From: Alan Sewell N5NA
Topic: 5935 Message: 5939

Better mark that spot!

I'll add that post to the RIT encoder page on the wiki so it is easier
to find.

Alan N5NA

Barry N1EU wrote:
> Thanks Alan. That did the trick!
>
> 73,
> Barry N1EU
>
> On Wed, Feb 24, 2010 at 2:15 AM, Alan Sewell N5NA <alan.n5na@...>wrote:
>
>
>> Maybe this is it.
>>
>> <http://lists.contesting.com/_tentec/2009-02/msg00266.html>
>>
>> 73,
>>
>> Alan N5NA
>>
>> Barry N1EU wrote:
>>
>>> Could someone please post the info on the temporary fix for a
>>> non-functioning Orion RIT encoder that involved pressing on the bezel
>>> around the display? I looked on the Ten-Tec wiki but couldn't find
>>> this fix described.
>>>
>>> Thanks & 73,
>>> Barry N1EU
>>>
>>>
>>> ------------------------------------
>>>
>>>
>>>
>>>

5940. Re: Orion RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-24 13:50:41 UTC
From: John K Gotwals
Topic: 5935 Message: 5940

w2wg writes:
[snip]
I had been under the impression that this was a 5% problem when the
reflector was hot with it years back, but after experiencing it with two 565's
I suspect that may not be the situation as units age.
==== End quotation ===

I think it's a 5% problem all right, but the 5% refers to the percentage of
565 owners who have NOT had the problem.

John, N9JG

5942. John Henry as Ten-Tec's Chief Engineer - Feb 22, 09:32 AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-24 17:07:30 UTC
From: David Y.
Topic: 5941 Message: 5942

Hopefully he will have something to contribute to "old" projects as well, such as the Orions!

Dave W7AQK

5943. Re: [orion565] John Henry as Ten-Tec's Chief Engineer - Feb 22, 09:32 AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-24 17:24:15 UTC
From: Rob - G4LMW
Topic: 5941 Message: 5943

Any decision I make to purchase Ten-Tec in the future will VERY much depend on the support I get for my current hardware.

Hopefully, Ten-Tec know this, so updates on existing radios should be forthcoming......

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "David Y." <w7aqk@...>
To: <orion565@yahoogroups.com>
Sent: Wednesday, February 24, 2010 5:07 PM
Subject: [orion565] John Henry as Ten-Tec's Chief Engineer - Feb 22, 09:32 AM

> Hopefully he will have something to contribute to "old" projects as well,
> such as the Orions!
>
> Dave W7AQK
>
>
>
> ------------------------------------
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> Yahoo! Groups Links
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5944. I NEED YOUR HELP

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-25 05:57:37 UTC
From: Bruce
Topic: 5944 Message: 5944

How are you,I hope all is well at home and work,I'm writing you this with tears in my eyes,as many of you have not responded to my last email and i guess you don't seem to be of help after when i told you about my difficulties here in United Kingdomi write to let you know i misplaced my wallet on my way heading back to my hotel room from the Starbucks coffee shop.Presently i have limited access to internet and would like you to assist me with a loan of 1,540 Pounds to sort-out my hotel bills and to get myself back home because my wallet consist of all my money,phone,diary and my boarding pass(Return Ticket).

I have spoken to the embassy here but they are not responding to matters effectively,I'll Refund the money back to you as soon as i'm back home,I would have love you to call me but don't have a phone where i can be reached.
let me know if you can be of any help,I will appreciate whatever you can afford to assist me with, do get back to me immediately as you receive this email in order for me to let you know where to send the money.

I know this email sounds strange but i did send it

Thanks
Bruce Barcome

5945. Re: [orion565] I NEED YOUR HELP

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-26 02:06:20 UTC
From: Bert Beyt
Topic: 5944 Message: 5945

This is a scam.

This exact same e-mail has appeared on other reflectors before.

Be careful, and leave this alone.....

On Feb 24, 2010, Bruce <w3lj@...> wrote:

How are you,I hope all is well at home and work,I'm writing you this with tears in my eyes,as many of you have not responded to my last email and i guess you don't seem to be of help after when i told you about my difficulties here in United Kingdomi write to let you know i misplaced my wallet on my way heading back to my hotel room from the Starbucks coffee shop.Presently i have limited access to internet and would like you to assist me with a loan of 1,540 Pounds to sort-out my hotel bills and to get myself back home because my wallet consist of all my money,phone,diary and my boarding pass(Return Ticket).

I have spoken to the embassy here but they are not responding to matters effectively,I'll Refund the money back to you as soon as i'm back home,I would have love you to call me but don't have a phone where i can be reached.
let me know if you can be of any help,I will appreciate whatever you can afford to assist me with, do get back to me immediately as you receive this email in order for me to let you know where to send the money.

I know this email sounds strange but i did send it

Thanks
Bruce Barcome

5946. RE: [orion565] I NEED YOUR HELP

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-26 12:15:12 UTC
From: Mike Schatzberg
Topic: 5944 Message: 5946

Of course it is. I don't know how they got access to W3lJ's subscription, but it is canceled now. End of this thread. Mike W2AJI Owner Orion 565 Reflector

-----Original Message-----
From: Bert Beyt
Sent: 2/26/2010 2:06:20 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] I NEED YOUR HELP
This is a scam.

This exact same e-mail has appeared on other reflectors before.

Be careful, and leave this alone.....

On Feb 24, 2010, Bruce <w3lj@...> wrote:

How are you,I hope all is well at home and work,I'm writing you this with tears in my eyes,as many of you have not responded to my last email and i guess you don't seem to be of help after when i told you about my difficulties here in United Kingdomi write to let you know i misplaced my wallet on my way heading back to my hotel room from the Starbucks coffee shop.Presently i have limited access to internet and would like you to assist me with a loan of 1,540 Pounds to sort-out my hotel bills and to get myself back home because my wallet consist of all my money,phone,diary and my boarding pass(Return Ticket).

I have spoken to the embassy here but they are not responding to matters effectively,I'll Refund the money back to you as soon as i'm back home,I would have love you to call me but don't have a phone where i can be reached.
let me know if you can be of any help,I will appreciate whatever you can afford to assist me with, do get back to me immediately as you receive this email in order for me to let you know where to send the money.

I know this email sounds strange but i did send it

Thanks
Bruce Barcome

Yahoo! Groups Links

[Non-text portions of this message have been removed]

5947. RE: [orion565] Re: Orion RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-27 15:44:26 UTC
From: Robert Carroll
Topic: 5935 Message: 5947

I had an interesting exchange with Jack Burchfield on the RIT issue this week. He is always a gentleman, but this time was a little more brusque and brief than usual. He told me he knew I thought TenTec should have identified the source of the problem but that they still had not observed it at the factory. I had said that at least with each of the Orions I have owned the problem would show have shown up with very minimal use. Jack replied that he owned a 565, probably doesn't use it as much as I do, and rarely uses RIT but has never seen a problem when he does. To me that was not very relevant. He did arrange for a tech to be waiting for my call. I pressed him on whether the problem would be fixed or if I would experience it again. He replied that permanently fixed is a long long time. I replied that no recurrence in 7 years was permanent enough, recurrence in one year was not. No further communication after that. I don't have a lot of enthusiasm for going through the "no trouble found" cycle since they are still shooting in the dark. Sometimes doing the "press on the panel between the sweep and display" fixes my problem temporarily. At other times that does not work and it is a "pull on the RIT" situation. It seems that just about anything you do-such as dropping the panel, resoldering this or that-mechanically disturbs things enough to temporarily cure the problem. Vibration during shipment back to TenTec is apparently a 100% temporary cure based on factory data. Very frustrating. I suspect this has not been good for TenTec's reputation.

73

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John K Gotwals
Sent: Wednesday, February 24, 2010 8:51 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion RIT encoder

w2wg writes:
[snip]
I had been under the impression that this was a 5% problem when the reflector was hot with it years back, but after experiencing it with two 565's
I suspect that may not be the situation as units age.
==== End quotation ===

I think it's a 5% problem all right, but the 5% refers to the percentage of 565 owners who have NOT had the problem.

John, N9JG

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.733 / Virus Database: 271.1.1/2711 - Release Date: 02/26/10
14:39:00

[Non-text portions of this message have been removed]

5948. RE: [orion565] Re: Orion RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-27 16:42:59 UTC
From: Wes Attaway (N5WA)
Topic: 5935 Message: 5948

TenTec may be just as frustrated as their users about the RIT problem. I can't think of any reason they wouldn't want to find the reason for the problem. I've had my Orion since 2004 and have never had the problem. Will I have it the next time I turn on the radio? Who knows? Maybe the encoder came from a plant that also supplies things for Toyota. If that's the case then you just need to sit your radio on a different floor mat.

------------------ Wes Attaway (N5WA) ------------------

1138 Waters Edge Circle - Shreveport, LA 71106

318-797-4972 (office) - 318-393-3289 (cell)

Computer Consulting and Forensics

-------------- EnCase Certified Examiner ---------------

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Robert Carroll
Sent: Saturday, February 27, 2010 9:44 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: Orion RIT encoder

I had an interesting exchange with Jack Burchfield on the RIT issue this week. He is always a gentleman, but this time was a little more brusque and brief than usual. He told me he knew I thought TenTec should have identified the source of the problem but that they still had not observed it at the factory. I had said that at least with each of the Orions I have owned the problem would show have shown up with very minimal use. Jack replied that he owned a 565, probably doesn't use it as much as I do, and rarely uses RIT but has never seen a problem when he does. To me that was not very relevant. He did arrange for a tech to be waiting for my call. I pressed him on whether the problem would be fixed or if I would experience it again. He replied that permanently fixed is a long long time. I replied that no recurrence in 7 years was permanent enough, recurrence in one year was not. No further communication after that. I don't have a lot of enthusiasm for going through the "no trouble found" cycle since they are still shooting in the dark. Sometimes doing the "press on the panel between the sweep and display" fixes my problem temporarily. At other times that does not work and it is a "pull on the RIT" situation. It seems that just about anything you do-such as dropping the panel, resoldering this or that-mechanically disturbs things enough to temporarily cure the problem. Vibration during shipment back to TenTec is apparently a 100% temporary cure based on factory data. Very frustrating. I suspect this has not been good for TenTec's reputation.

73

Bob W2WG

From: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
[mailto:orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com] On
Behalf
Of John K Gotwals
Sent: Wednesday, February 24, 2010 8:51 AM
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Subject: [orion565] Re: Orion RIT encoder

w2wg writes:
[snip]
I had been under the impression that this was a 5% problem when the
reflector was hot with it years back, but after experiencing it with two
565's
I suspect that may not be the situation as units age.
==== End quotation ===

I think it's a 5% problem all right, but the 5% refers to the percentage of
565 owners who have NOT had the problem.

John, N9JG

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.733 / Virus Database: 271.1.1/2711 - Release Date: 02/26/10
14:39:00

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5949. Re: [orion565] Re: Orion RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-27 16:43:46 UTC
From: Martin Ewing
Topic: 5935 Message: 5949

These exchanges are frustrating, but understandable. You have to believe TT if they say they haven't seen the problem. But they have to believe us when we (many of us) say that we have. If they can't produce the problem on their bench, you can't expect them to guarantee that they can fix it.

Everything I've read and experienced myself is *consistent* with the view that the J8 board-to-board connector is somewhat unreliable. A little dirt, oxidation, or misalignment over time is enough to make the RIT encoder connection drop out. Warping the boards a little (by various means) will generally bring it back.

I haven't checked the circuit, but probably this is a "dry" contact (low current) that a very slight insulating barrier can interrupt. Loading the circuit with a constant few mA of current or using deoxit might help. But the real solution, if the theory is correct, would be to use a more positive connector system -- not an easy change to make.

[A fun project would be to install a cell phone vibrator on the CPU board, so you could give it a buzz when RIT hangs up.]

My 2c worth.

73 Martin AA6E

On Sat, Feb 27, 2010 at 10:44 AM, Robert Carroll <w2wg@...> wrote:

> I had an interesting exchange with Jack Burchfield on the RIT issue this
> week. He is always a gentleman, but this time was a little more brusque
> and
> brief than usual. He told me he knew I thought TenTec should have
> identified the source of the problem but that they still had not observed
> it
> at the factory. I had said that at least with each of the Orions I have
> owned the problem would show have shown up with very minimal use. Jack
> replied that he owned a 565, probably doesn't use it as much as I do, and
> rarely uses RIT but has never seen a problem when he does. To me that was
> not very relevant. He did arrange for a tech to be waiting for my call. I
> pressed him on whether the problem would be fixed or if I would experience
> it again. He replied that permanently fixed is a long long time. I
> replied
> that no recurrence in 7 years was permanent enough, recurrence in one year
> was not. No further communication after that. I don't have a lot of
> enthusiasm for going through the "no trouble found" cycle since they are
> still shooting in the dark. Sometimes doing the "press on the panel
> between
> the sweep and display" fixes my problem temporarily. At other times that
> does not work and it is a "pull on the RIT" situation. It seems that just

> about anything you do-such as dropping the panel, resoldering this or
> that-mechanically disturbs things enough to temporarily cure the problem.
> Vibration during shipment back to TenTec is apparently a 100% temporary
> cure
> based on factory data. Very frustrating. I suspect this has not been good
> for TenTec's reputation.
>
>
>
> 73
>
> Bob W2WG
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of John K Gotwals
> Sent: Wednesday, February 24, 2010 8:51 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Orion RIT encoder
>
>
>
>
>
>
> w2wg writes:
> [snip]
> I had been under the impression that this was a 5% problem when the
> reflector was hot with it years back, but after experiencing it with two
> 565's
> I suspect that may not be the situation as units age.
> ==== End quotation ===
>
> I think it's a 5% problem all right, but the 5% refers to the percentage of
> 565 owners who have NOT had the problem.
>
> John, N9JG
>
>
>
> No virus found in this incoming message.
> Checked by AVG - www.avg.com
> Version: 9.0.733 / Virus Database: 271.1.1/2711 - Release Date: 02/26/10
> 14:39:00
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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Dr. Martin S. Ewing, AA6E
Member IEEE, URSI, AAS, ARRL
Branford, Connecticut

[Non-text portions of this message have been removed]

5950. Re: I NEED YOUR HELP

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-27 22:03:08 UTC
From: k1fpv
Topic: 5944 Message: 5950

I've seen this type of scam previously. I emailed the real Bruce, W3LJ, to let him know what has been going on.

Bill
K1FPV

--- In orion565@yahoogroups.com, Bert Beyt <w5zr@...> wrote:
>
> This is a scam.
>
> This exact same e-mail has appeared on other reflectors before.
>
> Be careful, and leave this alone.....
>
>
> On Feb 24, 2010, Bruce <w3lj@...> wrote:
>
> Â How are you,I hope all is well at home and work,I'm writing you this with tears in my eyes,as many of you have not responded to my last email and i guess you don't seem to be of help after when i told you about my difficulties here in United Kingdomi write to let you know i misplaced my wallet on my way heading back to my hotel room from the Starbucks coffee shop.Presently i have limited access to internet and would like you to assist me with a loan of 1,540 Pounds to sort-out my hotel bills and to get myself back home because my wallet consist of all my money,phone,diary and my boarding pass(Return Ticket).
>
> I have spoken to the embassy here but they are not responding to matters effectively,I'll Refund the money back to you as soon as i'm back home,I would have love you to call me but don't have a phone where i can be reached.
> let me know if you can be of any help,I will appreciate whatever you can afford to assist me with, do get back to me immediately as you receive this email in order for me to let you know where to send the money.
>
> I know this email sounds strange but i did send it
>
> Thanks
> Bruce Barcome
>

5951. Re: Orion RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-28 14:27:25 UTC
From: Anthony
Topic: 5935 Message: 5951

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1. These are mechanical encoders and seem a bit "delicate' to me.

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3. There are long plastic/nylon tubes that go over these shafts and are secured to the board with thread nuts (same material).

4. With a long shaft, any slight skew at the encoder mounting point, will be more pronounced at points along the shaft further removed from the mount.

5. If you look at pictures of encoders that have been removed (I don't have the link handy, but there is a series of pics that describe the RIT encoder replacement), you will note that some of the shafts have marks on them (almost like they had been polished. I suspect this is from the shaft rubbing against the inside of the tube).

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7. Added stress off-center (due to skewed mounting and an extra long shaft) would tend to shorten the life of this control (making it erratic, have dead spots, or just stop working).

8. Since this electrically erratic condition was caused by erratic mechanical action, pushing here, tightening there or heating a connection could settle it down for a little while. But since the real cause isn't addressed, and some internal structural damage has occurred to the encoder, these 'fixes' would only be temporary.

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Hopefully Yahoo hasn't destroyed the format of this post.

--- In orion565@yahoogroups.com, "Robert Carroll" <w2wg@...> wrote:
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> I had an interesting exchange with Jack Burchfield on the RIT issue this
> week. He is always a gentleman, but this time was a little more brusque and
> brief than usual. He told me he knew I thought TenTec should have
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> at the factory. I had said that at least with each of the Orions I have
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> replied that he owned a 565, probably doesn't use it as much as I do, and
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> for TenTec's reputation.
>
>
>
> 73
>
> Bob W2WG
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of John K Gotwals
> Sent: Wednesday, February 24, 2010 8:51 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Orion RIT encoder
>
>
>
>
>
>
> w2wg writes:
> [snip]
> I had been under the impression that this was a 5% problem when the
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> I think it's a 5% problem all right, but the 5% refers to the percentage of
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>
>
> No virus found in this incoming message.
> Checked by AVG - www.avg.com
> Version: 9.0.733 / Virus Database: 271.1.1/2711 - Release Date: 02/26/10
> 14:39:00
>
>
>
> [Non-text portions of this message have been removed]
>

5952. Re: [orion565] Re: Orion RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-02-28 18:30:38 UTC
From: Martin Ewing
Topic: 5935 Message: 5952

I had similar thoughts about possibly needing to change encoders, but fiddling with J8 "cured" the problem for me. And it's possible that disassembling the boards, replacing the encoders, and reassembling everything would also have tweaked the J8 contacts enough to "cure" the problem. On the other hand, my tweaks of J8 might have accidentally done something to bring the encoder back to normal...

With this kind of intermittent, it's really hard to pin down the root cause -- assuming there is only one cause.

73 Martin AA6E

On Sun, Feb 28, 2010 at 9:27 AM, Anthony <adb1x1@...> wrote:

> I posted a lengthy message a while back with some details about replacing
> these encoders.
> My observation of the encoders and mounting method leads me to believe
> that not only the RIT but any of these controls could become unstable,
> depending on several factors:
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> 1. These are mechanical encoders and seem a bit "delicate' to me.
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> 2. They are made for Ten-Tec to their spec (according to Paul Clinton). One
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> body). Like most potentiometers, only a single support holds this shaft (and
> its wiper mechanism). While this isn't a potentiometer, it behaves much like
> one; except in this case the wiper slides along multiple contacts rather
> than a carbon or wire trace.
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> 3. There are long plastic/nylon tubes that go over these shafts and are
> secured to the board with thread nuts (same material).
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> 4. With a long shaft, any slight skew at the encoder mounting point, will
> be more pronounced at points along the shaft further removed from the mount.
>
> 5. If you look at pictures of encoders that have been removed (I don't have
> the link handy, but there is a series of pics that describe the RIT encoder
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> stuffed, then soldered along a small assembly line, and the board

> orientation was such that the RIT encoder was more likely to be slightly
> misaligned.
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> 7. Added stress off-center (due to skewed mounting and an extra long shaft)
> would tend to shorten the life of this control (making it erratic, have dead
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> mechanical action, pushing here, tightening there or heating a connection
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> 9. The only fix that will last (if what I believe to have caused it in the
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> the risk of the problem popping up again.
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> This is only my opinion, so please take it as such.
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> Hopefully Yahoo hasn't destroyed the format of this post.
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>

[Non-text portions of this message have been removed]

5953. RE: [orion565] Re: Orion RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-04 03:28:35 UTC
From: Mike Schatzberg
Topic: 5935 Message: 5953

Although I have never experienced this issue in the O2, this is a well known problem in the FT 1000 series of radios. If indeed this problem is directly attributed to a faulty encoder, it may be possible to rework the encoder while it is still installed in the radio, thus saving much time and expense. In the FT 1000 MP Mark V, the lubricant within the clarifier encoder causes intermittency and the clarifier will cause frequency jumps. Removing the shaft knob, and gently attaching the chuck of a small battery operated drill to the encoder shaft, will permit higher speed operation of the encoder than can be obtained by hand. Rotate the shaft for about 30 seconds clockwise at a moderate rate, then repeat this process counterclockwise. One more cycle should be enough to improve encoder operation. Use a light touch and be careful of the alignment of the chuck and encoder shaft. In the Yaesu radios, this procedure can save quite a bit of repair time. If you are not familiar with transceiver repairs, this technique may not be for you. It has worked for many Yaesu owners, please be careful. 73 and Happy DXing, Mike W2AJI

-----Original Message-----
From: Anthony
Sent: 2/28/2010 2:27:25 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion RIT encoder
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--- In orion565@yahoogroups.com, "Robert Carroll" <w2wg@...> wrote:
>
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> week. He is always a gentleman, but this time was a little more brusque and
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> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf

> Of John K Gotwals
> Sent: Wednesday, February 24, 2010 8:51 AM
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> [Non-text portions of this message have been removed]
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Yahoo! Groups Links

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5954. RE: [orion565] Re: Orion RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-04 04:02:17 UTC
From: Duane Calvin
Topic: 5935 Message: 5954

Hmm, didn't the whole RIT encoder problem turn out to be an issue of the connectors at the end of the cables running to the encoders? You might want to check the history on the forum because we went through a long time of folks swapping out encoders only to have them fail again in the future, and then the (if I remember correctly) connectors on the encoder cable ends turned out to be the issue after all.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Mike Schatzberg
Sent: Wednesday, March 03, 2010 9:29 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: Orion RIT encoder

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Yahoo! Groups Links

[Non-text portions of this message have been removed]

Yahoo! Groups Links

5955. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-07 07:53:45 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5955

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap AGC program/orion_agc_macro_v2 20134.zip
Uploaded by : pa1ap <pa1ap@...>
Description : Orion Macro V2 20134; new features included; option to make slider window smaller, antenna selector bug fix, audio presence charts, 10 profile sets instead of 5, option to change startup behavior of program, compressed manual (?) inside program, queue progress bar in prog, rewrite profile file within prog. Enjoy and 73 pa1ap

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_macro_v2%20134.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5956. Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-07 14:21:43 UTC
From: pa1ap
Topic: 222 Message: 5956

And a new youtube 4 minute video to demo the results of the program. It is available in 480 & 720 HD resolution too.

http://www.youtube.com/watch?v=dWCsUtUdD8U

Enjoy, 73 pa1ap

--- In orion565@yahoogroups.com, orion565@yahoogroups.com wrote:
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> Hello,
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> File : /pa1ap AGC program/orion_agc_macro_v2 20134.zip
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>
> You can access this file at the URL:
> http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_macro_v2%20 20134.zip
>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles
>
> Regards,
>
> pa1ap <pa1ap@...>
>

5957. Re: [orion565] Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-07 16:20:40 UTC
From: Barry N1EU
Topic: 222 Message: 5957

Where can the graphs be seen that are displayed at 2:00 in the video?

Tnx/73,
Barry N1EU

On Sun, Mar 7, 2010 at 2:21 PM, pa1ap <pa1ap@nextchallenge.net> wrote:

>
>
> And a new youtube 4 minute video to demo the results of the program. It is
> available in 480 & 720 HD resolution too.
>
> http://www.youtube.com/watch?v=dWCsUtUdD8U
>
> Enjoy, 73 pa1ap
>
>
> --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>,
> orion565@...m <orion565%40yahoogroups.com> wrote:
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> > Hello,
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> > You can access this file at the URL:
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> http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_macro_v2%20
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> > To learn more about file sharing for your group, please visit:
> >
> http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles
> >
> > Regards,
> >

> > pa1ap <pa1ap@...>
> >
>
>
>

[Non-text portions of this message have been removed]

5958. Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-07 20:41:49 UTC
From: pa1ap
Topic: 222 Message: 5958

Start the program and in the menu bar you will find a button on the right for Chart... When the chart window appears it will plot the profile settings for threshold and rf gain. When you change the profile from one set to another you will see the plot following the change. When you push one of the S meter buttons in the main slider window, you will see the audio presence plotted. From what I have measured signals below threshold will not be processed by agc. If threshold is x dB above band noise, band noise presence will be x dB lower audio presence.

If you like to build your own profiles and or change the the startup behavior of the program you can also look at the 5 minute video below.

http://www.youtube.com/watch?v=PlpE9nH9qgE

Its fun to play with it an experiment with the settings.

Cheers, Onno pa1ap

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Where can the graphs be seen that are displayed at 2:00 in the video?
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> Tnx/73,
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> On Sun, Mar 7, 2010 at 2:21 PM, pa1ap <pa1ap@...> wrote:
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> > > Enjoy, 73 pa1ap
> > >
> > >
> > > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>,
> > > orion565@yahoogroups.com <orion565%40yahoogroups.com> wrote:
> > > >
> > > >
> > > > Hello,
> > > >
> > > > This email message is a notification to let you know that
> > > > a file has been uploaded to the Files area of the orion565
> > > > group.
> > > >

> > > File : /pa1ap AGC program/orion_agc_macro_v2 20134.zip
> > > Uploaded by : pa1ap <pa1ap@>
> > > Description : Orion Macro V2 20134; new features included; option to make
> > slider window smaller, antenna selector bug fix, audio presence charts, 10
> > profile sets instead of 5, option to change startup behavior of program,
> > compressed manual (?) inside program, queue progress bar in prog, rewrite
> > profile file within prog. Enjoy and 73 pa1ap
> > >
> > > You can access this file at the URL:
> > >
> > http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_macro_v2%
2020134.zip
> > >
> > > To learn more about file sharing for your group, please visit:
> > >
> > http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles
> > >
> > > Regards,
> > >
> > > pa1ap <pa1ap@>
> > >
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

5959. Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-07 20:46:39 UTC
From: pa1ap
Topic: 222 Message: 5959

Plus you might want to install the correct version as uploaded recently:

orion_agc_macro_v2 20134.zip

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_mac\
ro_v2%2020134.zip

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Where can the graphs be seen that are displayed at 2:00 in the video?
>
> Tnx/73,
> Barry N1EU
>
> On Sun, Mar 7, 2010 at 2:21 PM, pa1ap <pa1ap@...> wrote:
>
> > >
> > >
> > > And a new youtube 4 minute video to demo the results of the program. It is
> > > available in 480 & 720 HD resolution too.
> > >
> > > http://www.youtube.com/watch?v=dWCsUtUdD8U
> > >
> > > Enjoy, 73 pa1ap
> > >
> > >
> > > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>,
> > > orion565@yahoogroups.com <orion565%40yahoogroups.com> wrote:
> > > >
> > > >
> > > > Hello,
> > > >
> > > > This email message is a notification to let you know that
> > > > a file has been uploaded to the Files area of the orion565
> > > > group.
> > > >
> > > > File : /pa1ap AGC program/orion_agc_macro_v2 20134.zip
> > > > Uploaded by : pa1ap <pa1ap@>
> > > > Description : Orion Macro V2 20134; new features included; option to make
> > > > slider window smaller, antenna selector bug fix, audio presence charts, 10
> > > > profile sets instead of 5, option to change startup behavior of program,
> > > > compressed manual (?) inside program, queue progress bar in prog, rewrite
> > > > profile file within prog. Enjoy and 73 pa1ap
> > > >
> > > > You can access this file at the URL:

> > >
> > http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_macro_v2%2020134.zip
> > >
> > > To learn more about file sharing for your group, please visit:
> > >
> > http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles
> > >
> > > Regards,
> > >
> > > pa1ap <pa1ap@>
> > >
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

5960. Orion sidetone distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-12 21:36:24 UTC
From: john@k5see.com
Topic: 5960 Message: 5960

An unusual problem has developed on my Orion. The sidetone begins to distorrt after a minute or two of sending after turn on. It gets worse until it is like a static crash. The ear phone sidetone is not distorted when this happens. The receive audio is normal. What gives? Any ideas?

73 de John, K5SEE

5961. RE: [orion565] Orion sidetone distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-12 22:52:46 UTC
From: John Hudson
Topic: 5960 Message: 5961

John have you tried to do a MASTER RESET? Sometimes it clears things like your distortion up.

GL

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of john@...
Sent: Friday, March 12, 2010 3:36 PM
To: service@...; orion565@yahoogroups.com
Subject: [orion565] Orion sidetone distortion

An unusual problem has developed on my Orion. The sidetone begins to distorrt after a minute or two of sending after turn on. It gets worse until it is like a static crash. The ear phone sidetone is not distorted when this happens. The receive audio is normal. What gives? Any ideas?

73 de John, K5SEE

[Non-text portions of this message have been removed]

5962. Re: [orion565] Orion sidetone distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-12 23:08:34 UTC
From: john@k5see.com
Topic: 5960 Message: 5962

Master Reset done but no help. Paul Clinton responded quickly and
advises a RAM Reset followed by Master Reset, so I will give it a try
and report on the results.
73, John K5SEE

-----Original Message-----
From: John Hudson <jd_hudson@...>
To: orion565@yahoogroups.com
Sent: Fri, Mar 12, 2010 4:52 pm
Subject: RE: [orion565] Orion sidetone distortion

John have you tried to do a MASTER RESET? Sometimes it clears things
like
your distortion up.

GL

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
Behalf
Of john@...
Sent: Friday, March 12, 2010 3:36 PM
To: service@...; orion565@yahoogroups.com
Subject: [orion565] Orion sidetone distortion

An unusual problem has developed on my Orion. The sidetone begins to
distorrt after a minute or two of sending after turn on. It gets worse
until it is like a static crash. The ear phone sidetone is not
distorted when this happens. The receive audio is normal. What
gives? Any ideas?

73 de John, K5SEE

[Non-text portions of this message have been removed]

5963. Re: Orion sidetone distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-13 10:10:07 UTC
From: pa1ap
Topic: 5960 Message: 5963

I found the speaker connector to have a weak connection, resulting in a similar audio break down at times. Simple to test; wiggle the plug a little to see if the audio shows any signs of distortion. Cheers, Onno pa1ap

--- In orion565@yahoogroups.com, john@... wrote:
>
> Master Reset done but no help. Paul Clinton responded quickly and
> advises a RAM Reset followed by Master Reset, so I will give it a try
> and report on the results.
> 73, John K5SEE
>
> -----Original Message-----
> From: John Hudson <jd_hudson@...>
> To: orion565@yahoogroups.com
> Sent: Fri, Mar 12, 2010 4:52 pm
> Subject: RE: [orion565] Orion sidetone distortion
>
>
>
>
> John have you tried to do a MASTER RESET? Sometimes it clears things
> like
> your distortion up.
>
> GL
>
> John
>
> KO4XJ
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf
> Of john@...
> Sent: Friday, March 12, 2010 3:36 PM
> To: service@...; orion565@yahoogroups.com
> Subject: [orion565] Orion sidetone distortion
>
> An unusual problem has developed on my Orion. The sidetone begins to
> distorrt after a minute or two of sending after turn on. It gets worse
> until it is like a static crash. The ear phone sidetone is not
> distorted when this happens. The receive audio is normal. What
> gives? Any ideas?
>
> 73 de John, K5SEE
>

> [Non-text portions of this message have been removed]
>

5964. Re: [orion565] Re: Orion sidetone distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-13 14:28:20 UTC
From: john@k5see.com
Topic: 5960 Message: 5964

The RAM clear/master reset sequence had no effect. It seems to be some kind of RF feedback internal to the Orion, since higher power makes it worse.. It is not present at turn on, but gets worse as the radio warms up. A loose connection somehere in the speaker audio output chain is a real posssibility. Wil check it out and revert. Thanks.
73 de John, K5SEE

-----Original Message-----
From: pa1ap <pa1ap@...>
To: orion565@yahoogroups.com
Sent: Sat, Mar 13, 2010 4:10 am
Subject: [orion565] Re: Orion sidetone distortion

I found the speaker connector to have a weak connection, resulting in a similar audio break down at times. Simple to test; wiggle the plug a little to see if the audio shows any signs of distortion. Cheers, Onno
pa1ap

--- In orion565@yahoogroups.com, john@... wrote:
>
> Master Reset done but no help. Paul Clinton responded quickly and
> advises a RAM Reset followed by Master Reset, so I will give it a try
> and report on the results.
> 73, John K5SEE
>
> -----Original Message-----
> From: John Hudson <jd_hudson@...>
> To: orion565@yahoogroups.com
> Sent: Fri, Mar 12, 2010 4:52 pm
> Subject: RE: [orion565] Orion sidetone distortion
>
>
>
>
>
> John have you tried to do a MASTER RESET? Sometimes it clears things
> like
> your distortion up.
>
> GL
>
> John
>
> KO4XJ
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf

> Of john@...
> Sent: Friday, March 12, 2010 3:36 PM
> To: service@...; orion565@yahoogroups.com
> Subject: [orion565] Orion sidetone distortion
>
> An unusual problem has developed on my Orion. The sidetone begins to
> distorrt after a minute or two of sending after turn on. It gets worse
> until it is like a static crash. The ear phone sidetone is not
> distorted when this happens. The receive audio is normal. What
> gives? Any ideas?
>
> 73 de John, K5SEE
>
> [Non-text portions of this message have been removed]
>

5965. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-13 15:57:53 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5965

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap AGC program/orion_agc_macro_v2 20135.zip
Uploaded by : pa1ap <pa1ap@...>
Description : Patch update 20135. Changes included: audio presence slope adjustment through window as well agc_profile variable. "bug" repaired in slider zoom function. Cosmetic bug fixed on AGC buttons window; threshold and rf gain now include the true values as found in agc_profile. As well attn buttons are available at first startup. AGC window size (minimal and maximum) can now be adjusted by user through agc_profile file. Please rewrite agc_profile_3.txt file (or delete prior to start).

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_macro_v2%20135.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5966. Re: New file uploaded to orion565 V20135

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-13 16:21:34 UTC
From: pa1ap
Topic: 222 Message: 5966

Greetings,

To activate all program startup variables, please rewrite the agc_profile_3.txt file through "prog" button. Or delete the file and (re)start the program after installation.

Window size is now adjustable. Both for normal size (702 x 245) and minimal size (552 x 190).

There are new Orion 2 profiles included, the profiles with an astrix (*) are tested using RF generator, FFT audio analysis and should provide best results.

Based on feedback on audio presence I have include adjustable audio presence slope. Dynamically available in the graphs window and also statically adjustable through agc_profile_3.txt file.

The bug(s) fixed where driven by profiles which had funny bumbs which I did not expect and this is taken into account now. Some users had used (as example) 60 for S5, 40 for S6 and 70 for S7... the 40 was not expected and sometimes stopped the program. It is now taken into account as well valid condition.

Another tip; some users never have the RF gain on 100 but instead use it at 80. It is worthwhile then to set the DEFAULT RF Gain at 80 and the program will take this into account. It would also make the zoom function work better. Please keep in mind that all values as given for S7 to S2 should be equal or lower then Default...The program will check and if invalid condition is found the profile will turn red as well error message will be shown in the debug window.

If you have tweaked the agc_profile_3.txt file and found a good working profile for the orion firmware you are using, please share either the complete profile or just the profile line with the group. This way others might benefit from your profile.

In case you have a rf generator with variable output as well an audio card connected to the AF output at the din plug or tulp plug you might want to test the kneepoint yourself, given the firmware running on your Orion.

Test case is straightforward;

1) connect RF generator to orion and adjust output to have S7 indication on main S meter
2) Set both threshold and RF Gain to factory default.
3) Start FFT audio analysis software on computer and observe the level of the carrier captured. Mark the value measured
4) turn up threshold until the FFT audio analysis shows that audio level dropps. This will confirm the threshold kneepoint. Go down a little to have the kneepoint just before S7
5) with threshold at same position, turn down RF Gain slowly until the audio levels starts dropping again. When this happens, turn up RF gain a little, just before audio level drops.
6) now you would have Threshold and RF Gain value matching S7... Write down the two values matching S7

7) repeat the sequence for the other S values [step 2 through step6]

All in all, many users are playing with the settings and good idea's are shared with me on improvements and such like. Thank you all!

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, orion565@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the orion565
> group.
>
> File : /pa1ap AGC program/orion_agc_macro_v2 20135.zip
> Uploaded by : pa1ap <pa1ap@...>
> Description : Patch update 20135. Changes included: audio presence slope adjustment through window as well agc_profile variable. "bug" repaired in slider zoom function. Cosmetic bug fixed on AGC buttons window; threshold and rf gain now include the true values as found in agc_profile. As well attn buttons are available at first startup. AGC window size (minimal and maximum) can now be adjusted by user through agc_profile file. Please rewrite agc_profile_3.txt file (or delete prior to start).
>
> You can access this file at the URL:
> http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_macro_v2%20 20135.zip
>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles
>
> Regards,
>
> pa1ap <pa1ap@...>
>

5967. Power Meter Inop

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-14 15:02:27 UTC
From: hglent
Topic: 5967 Message: 5967

I have noticed the analog meter that indicates power out is intermittent.

Some times it will show a very close to accurate power reading. Other times no indication. I have tried restarts of the radio, and not gotten any reading after the restart. I have done several master rests and it may or may not work after the master reset.

I just noticed this recently, and have not noticed any other particular sequence of events leading to the problem

Any ideas of where to begin looking?

Paul K.
WA0BAG

5968. Re: [orion565] Power Meter Inop

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-14 15:26:10 UTC
From: Martin Ewing
Topic: 5967 Message: 5968

Need more info: Can you measure actual power output independently? Is it stable? Is the ALC light on? What does the SWR indicator say?

What firmware version, what operating modes? CW? SSB?

The meter is actually showing the output of a D-to-A converter driven by the control computer. I.e., it could be a firmware issue.

73 Martin AA6E

On Sun, Mar 14, 2010 at 11:02 AM, hglent <hglent@...> wrote:

> I have noticed the analog meter that indicates power out is intermittent.
>
> Some times it will show a very close to accurate power reading. Other
> times no indication. I have tried restarts of the radio, and not gotten any
> reading after the restart. I have done several master rests and it may or
> may not work after the master reset.
>
> I just noticed this recently, and have not noticed any other particular
> sequence of events leading to the problem
>
> Any ideas of where to begin looking?
>
> Paul K.
> WA0BAG
>
>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>
>

--
Dr. Martin S. Ewing, AA6E
Member IEEE, URSI, AAS, ARRL
Branford, Connecticut

[Non-text portions of this message have been removed]

5969. Re: Power Meter Inop

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-15 13:17:59 UTC
From: Paul K.
Topic: 5967 Message: 5969

I'll gather the info you asked for and get back to the Group.
Thanks
Paul K.

_____ Information from ESET NOD32 Antivirus, version of virus signature database 4945 (20100315) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

5970. Re: Power Meter Inop

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-15 15:14:54 UTC
From: Paul K.
Topic: 5967 Message: 5970

/I got a response regarding inop analog power meter, asking these questions. Here are the responses;/

Need more info: Can you measure actual power output independently?

/Yes. I am using several different metering arrangements. In line and terminated./

Is it stable?

/Yes. I operate at 75 watts. The Forward power indicated on the Bird 43 is stable./

Is the ALC light on?

/Yes, The ALC light is working properly./

What does the SWR indicator say?

/The SWR indicator is showing 1.0:1/

What firmware version,

/Orion 1, Vers. 2.062/

what operating modes?

CW? /Yes/

SSB? /Yes

Last night the meter was indicating properly when I shut down. (Switched Power Off). This morning I switched the power on and the meter was not indicating. I did a Master Reset. The meter is working properly again.

I have not cleaned all of the plugs and connectors. That is my next step. I will use a drop of DeOx on each connector and plug.

Thanks for the response.
Paul K.
WA0BAG

/

The meter is actually showing the output of a D-to-A converter driven by the control computer. I.e., it could be a firmware issue.

73 Martin AA6E

_____ Information from ESET NOD32 Antivirus, version of virus signature database 4946 (20100315) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

[Non-text portions of this message have been removed]

5971. Re: Power Meter Inop

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-15 20:04:32 UTC
From: pa1ap
Topic: 5967 Message: 5971

do you tuner within the orion and if so, is it inline? perhaps the antenna tuner has an issue? When you observe the issue, perhaps pushing the tune button on/off and see if that changes anything. While testing various firmware i did found a version which did not alwyas clean up the antenna tuner status and hence i had unexpected output...

Best regards, Onno..

--- In orion565@yahoogroups.com, "Paul K." <hglent@...> wrote:
>
> /I got a response regarding inop analog power meter, asking these
> questions. Here are the responses;/
>
> Need more info: Can you measure actual power output independently?
>
> /Yes. I am using several different metering arrangements. In line and
> terminated./
>
> Is it stable?
>
> /Yes. I operate at 75 watts. The Forward power indicated on the Bird
> 43 is stable./
>
>
> Is the ALC light on?
>
> /Yes, The ALC light is working properly./
>
>
>
> What does the SWR indicator say?
>
> /The SWR indicator is showing 1.0:1/
>
>
>
> What firmware version,
>
> /Orion 1, Vers. 2.062/
>
>
>
> what operating modes?
>
> CW? /Yes/
>

> SSB? /Yes
>
> Last night the meter was indicating properly when I shut down.
> (Switched Power Off). This morning I switched the power on and the
> meter was not indicating. I did a Master Reset. The meter is working
> properly again.
>
> I have not cleaned all of the plugs and connectors. That is my next
> step. I will use a drop of DeOx on each connector and plug.
>
> Thanks for the response.
> Paul K.
> WA0BAG
>
> /
>
>
>
> The meter is actually showing the output of a D-to-A converter driven by the
> control computer. I.e., it could be a firmware issue.
>
> 73 Martin AA6E
>
>
>
> _____ Information from ESET NOD32 Antivirus, version of virus signature database
4946 (20100315) _____
>
> The message was checked by ESET NOD32 Antivirus.
>
> http://www.eset.com
>
>
>
> [Non-text portions of this message have been removed]
>

5972. Re: Power Meter Inop

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-16 14:53:25 UTC
From: Paul K.
Topic: 5967 Message: 5972

do you tuner within the orion and if so, is it inline?

I first observed the problem while using the internal tuner. I have a new LDG AT-200pro. I disabled the internal tuner, and placed the new LDG in the line using a very short RG 58 patch cable. The LDG quickly tuned the Omni to the antenna. The power meter did not indicate.

perhaps the antenna tuner has an issue?

I don't believe the tuner is part of the problem. I think I have done all the possible combinations to isolate it.

When you observe the issue, perhaps pushing the tune button on/off and see if that changes anything.

I just tried the tune button to no avail.

While testing various firmware i did found a version which did not alwyas clean up the antenna tuner status and hence i had unexpected output...

Best regards, Onno..

I have not gotten time to get into the rig and do a cleaning and screw tightening job on it. I think the next step is, put this issue on hold here on the group, and give me time to do my thing. Then if the issue persists I'll repost to the group.

Thank you everyone for the input. I will pass on my finding as I deal with this. The ultimate is, I'll just drive the rig up to the Ten Tec factory and have the tech look at it. TT Factory is only 30 minutes away.

73 Paul K.
WA0BAG

_____ Information from ESET NOD32 Antivirus, version of virus signature database 4949 (20100316) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

5973. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-18 20:01:53 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5973

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap AGC program/orion_agc_macro_v20137.zip
Uploaded by : pa1ap <pa1ap@...>
Description : Few patches included as reported by users. New functionality included
(minor). Recommended to uninstall the presvious version prior to installation. 73, pa1ap

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_macro_v20137.
zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

5974. Request for feedback next version

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-20 22:25:01 UTC
From: pa1ap
Topic: 222 Message: 5974

Greetings,

I am writing the function for auto threshold / rf gain adjustment using the s meter indication as retrieved through the serial port.

The goal is to sample the s meter indication a number of times, derive minimal, average, peak values and combined with a weight factor this would drive the S meter buttons in the program. Then it would be a matter of pushing "auto" and the rig will adjust itselve in 1-3 seconds, depending on the sample parameters. So far using the minimal values seem to work just fine. When AGC is off the measurement is most accurate of course, would that be acceptable for 1-3 seconds? The speaker could be muted during the sampling...

Interested to learn other thoughts and ideas on how to taggle those challenges.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, orion565@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the orion565
> group.
>
> File : /pa1ap AGC program/orion_agc_macro_v20137.zip
> Uploaded by : pa1ap <pa1ap@...>
> Description : Few patches included as reported by users. New functionality included (minor). Recommended to uninstall the presvious version prior to installation. 73, pa1ap
>
> You can access this file at the URL:
> http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_macro_v20137.zip
>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles
>
> Regards,
>
> pa1ap <pa1ap@...>
>

5975. Re: [orion565] Request for feedback next version

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-21 20:41:20 UTC
From: James Streible
Topic: 222 Message: 5975

Onno,

Give it a try at 1 second and leave the speaker ON and lets see if that is objectionable. If the speaker is objectionable during the sample then it could be muted
during that period.

Jim K4DLI

pa1ap wrote:
>
> Greetings,
>
> I am writing the function for auto threshold / rf gain adjustment
> using the s meter indication as retrieved through the serial port.
>
> The goal is to sample the s meter indication a number of times, derive
> minimal, average, peak values and combined with a weight factor this
> would drive the S meter buttons in the program. Then it would be a
> matter of pushing "auto" and the rig will adjust itselve in 1-3
> seconds, depending on the sample parameters. So far using the minimal
> values seem to work just fine. When AGC is off the measurement is most
> accurate of course, would that be acceptable for 1-3 seconds? The
> speaker could be muted during the sampling...
>
> Interested to learn other thoughts and ideas on how to taggle those
> challenges.
>
> Best regards, Onno pa1ap
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>,
> orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> wrote:
> >
> >
> > Hello,
> >
> > This email message is a notification to let you know that
> > a file has been uploaded to the Files area of the orion565
> > group.
> >
> > File : /pa1ap AGC program/orion_agc_macro_v20137.zip
> > Uploaded by : pa1ap <pa1ap@...>
> > Description : Few patches included as reported by users. New
> functionality included (minor). Recommended to uninstall the presvious
> version prior to installation. 73, pa1ap
> >

> > You can access this file at the URL:
> >
> http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_macro_v2013
7.zip
> <http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_macro_v201
37.zip>
>
> >
> > To learn more about file sharing for your group, please visit:
> >
> http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles
> <http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles>
> >
> > Regards,
> >
> > pa1ap <pa1ap@...>
> >
>
>

5976. Intermiten Analog Power Meter Indication

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-22 14:28:16 UTC
From: hglent
Topic: 5976 Message: 5976

I recently posted a question about this subject.

I have tightened all the board screws and de ox all connectors.

The problem is solved.

Thanks for all the posts!

Paul K.
WA0BAG

5977. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-23 12:38:16 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 5977

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Orion colored screen.rtf
Uploaded by : o1_orion <o1_orion@...>
Description : Orion colored screen

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/Orion%20colored%20screen.rtf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

o1_orion <o1_orion@...>

5978. model 311 band data converter

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-23 12:43:31 UTC
From: o1_orion
Topic: 5978 Message: 5978

I'd like to find a 311 band data converter or a schematic to build something comparable.
Thanks
Louie NA1P

5979. Re: [orion565] model 311 band data converter

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-23 13:23:35 UTC
From: Rob - G4LMW
Topic: 5978 Message: 5979

Hi Louie

I built something to change the bands on my FL-7000 linear. I have uploaded the circuit and some photos to the files area in the folder "Band Decoder". Let me know if it helps.

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "o1_orion" <o1_orion@...>
To: <orion565@yahoogroups.com>
Sent: Tuesday, March 23, 2010 12:43 PM
Subject: [orion565] model 311 band data converter

> I'd like to find a 311 band data converter or a schematic to build
> something comparable.
> Thanks
> Louie NA1P
>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>

5980. re: items for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-24 19:48:08 UTC
From: Ed
Topic: 5980 Message: 5980

hello to all,

being new this group I want to make sure it is ok to list items forsale,ten tec items of course.

thanks in advance,

N4EK

5981. RE: [orion565] re: items for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-24 21:06:29 UTC
From: Mike Schatzberg
Topic: 5980 Message: 5981

The items could be Orions or accessories for use with these transceivers. Other Ten Tec radios could be easily listed on the Ten Tec reflector. 73 and Happy DXing, Mike W2AJI Owner Orion 565 Reflector

-----Original Message-----
From: Ed
Sent: 3/24/2010 7:48:08 PM
To: orion565@yahoogroups.com
Subject: [orion565] re: items for sale
hello to all,

being new this group I want to make sure it is ok to list items forsale,ten tec items of course.

thanks in advance,

N4EK

Yahoo! Groups Links

[Non-text portions of this message have been removed]

5982. re; for sale Ten Tec 708A mike

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-24 21:26:51 UTC
From: Ed
Topic: 5982 Message: 5982

hello all,

I have for sale a brand new in the box Ten TEC 708A microphone. never used. it is surplus to my needs. asking $80 plus shipping from 34423.
cont. US only.

thanks, ED

5983. Loss of receive audio to the speaker after warm up.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-25 01:22:26 UTC
From: john@k5see.com
Topic: 5983 Message: 5983

My Orion 1 motor boats and then loses audio to the speaker output after an hour or so of operation . The headphone audio is unaffected. Any suggestions would be appreciated.
tnx es 73 de John, K5SEE

5984. Re: Loss of receive audio to the speaker after warm up.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-25 05:22:10 UTC
From: pa1ap
Topic: 5983 Message: 5984

Speaker and headphone follow a different audio chain and given the fact your headphone keeps working as designed, the issue is within the speaker chain. I remember a posting from an Itilian ham reporting his audio started popping afte a while and they (tentec) replaced the capacitor connecting to the output connector. If you have an oscilloscope you could do the tracing to check where the audio stops working... Another point to check is the 6mm audio jack connector (assuming you are using external speaker) and wiggle it a little. Mine had an issue making poor contact, resulting in bad sound throuh the speaker.

If the headphone keepsworking the good news is that all common logic prior to the audio chain is working just fine. It should not be a big issue to solve.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, john@... wrote:
>
> My Orion 1 motor boats and then loses audio to the speaker output after
> an hour or so of operation . The headphone audio is unaffected. Any
> suggestions would be appreciated.
> tnx es 73 de John, K5SEE
>

5985. Re: [orion565] Re: Loss of receive audio to the speaker after warm up.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-25 14:31:08 UTC
From: john@k5see.com
Topic: 5983 Message: 5985

Thanks for the info, Onno. Yes, it sounds like a capacitor heating up and changing value. Where can I find service info like a schematic of the speaker audio amp and the location of the circuit board? The older Tentec radios have all this info in the operating manual.
73, John

-----Original Message-----
From: pa1ap <pa1ap@...>
To: orion565@yahoogroups.com
Sent: Thu, Mar 25, 2010 12:22 am
Subject: [orion565] Re: Loss of receive audio to the speaker after warm up.

Speaker and headphone follow a different audio chain and given the fact your headphone keeps working as designed, the issue is within the speaker chain. I remember a posting from an Itilian ham reporting his audio started popping afte a while and they (tentec) replaced the capacitor connecting to the output connector. If you have an oscilloscope you could do the tracing to check where the audio stops working... Another point to check is the 6mm audio jack connector (assuming you are using external speaker) and wiggle it a little. Mine had an issue making poor contact, resulting in bad sound throuh the speaker.

If the headphone keepsworking the good news is that all common logic prior to the audio chain is working just fine. It should not be a big issue to solve.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, john@... wrote:
>
> My Orion 1 motor boats and then loses audio to the speaker output after
> an hour or so of operation . The headphone audio is unaffected. Any
> suggestions would be appreciated.
> tnx es 73 de John, K5SEE
>

5986. Re: [orion565] Re: Loss of receive audio to the speaker after warm up.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-03-25 20:39:49 UTC
From: john@k5see.com
Topic: 5983 Message: 5986

How hard can this be? Every Tentec radio I have owned has included board level schemetics in the operating manual. The Orion I manual does not include these and I can't find them on the web site. Where are they? I don't want to pay $200 plus dollars and risk UPS just to fix a simple audio problem!

Again, I am requesting board level schematics/parts lists so I can fix the problem myself. If they are on the web site and I have missed them I apologize. If you have to mail them to me, I can live with that. Where is the Tentec service help I have grown used to prior to the Orion?

73, John

-----Original Message-----
From: Paul Clinton <service@...>
To: john@...
Sent: Thu, Mar 25, 2010 1:47 pm
Subject: Re: [orion565] Re: Loss of receive audio to the speaker after warm up.

Dear John:

This is not a common problem. Only way to repair the problem is the have the
Orion on the bench and carefully trouble shoot the problem. Schematics for
the Orion are available for down load on the Ten-Tec web page. We would be
happy to take a look and solve the problem.

73,
Paul R. Clinton
WD4EBR
Service Manager

----- Original Message -----
From: <john@...>
To: <service@...>
Sent: Thursday, March 25, 2010 9:36 AM
Subject: Fwd: [orion565] Re: Loss of receive audio to the speaker after warm
up.

Paul, if this has been an issue in the past, will you please research it and send me enough technical info so that I can replace the capacitor myself. I really don't want to sent it back to the factory

as I have already spent $400 on factory work in less than a year. Thank you.
73, John

-----Original Message-----
From: john@...
To: orion565@yahoogroups.com
Sent: Thu, Mar 25, 2010 9:31 am
Subject: Re: [orion565] Re: Loss of receive audio to the speaker after warm up.

Thanks for the info, Onno. Yes, it sounds like a capacitor heating up and changing value. Where can I find service info like a schematic of the speaker audio amp and the location of the circuit board? The older Tentec radios have all this info in the operating manual.
73, John

-----Original Message-----
From: pa1ap <pa1ap@...>
To: orion565@yahoogroups.com
Sent: Thu, Mar 25, 2010 12:22 am
Subject: [orion565] Re: Loss of receive audio to the speaker after warm up.

Speaker and headphone follow a different audio chain and given the fact your headphone keeps working as designed, the issue is within the speaker chain. I remember a posting from an Itilian ham reporting his audio started popping afte a while and they (tentec) replaced the capacitor connecting to the output connector. If you have an oscilloscope you could do the tracing to check where the audio stops working... Another point to check is the 6mm audio jack connector (assuming you are using external speaker) and wiggle it a little. Mine had an issue making poor contact, resulting in bad sound throuh the speaker.

If the headphone keepsworking the good news is that all common logic prior to the audio chain is working just fine. It should not be a big issue to solve.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, john@... wrote:
>
> My Orion 1 motor boats and then loses audio to the speaker output after
> an hour or so of operation . The headphone audio is unaffected. Any
> suggestions would be appreciated.
> tnx es 73 de John, K5SEE
>

5992. test sorry

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-02 21:56:16 UTC
From: Fabrizio iz2kxc
Topic: 5992 Message: 5992

test
73
Fabrizio
IZ2KXC
N2DN
iz2kxc@...
iz2kxc@...
iz2kxc@...

[Non-text portions of this message have been removed]

5993. Re: [orion565] test sorry

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-02 22:26:30 UTC
From: Rob - G4LMW
Topic: 5992 Message: 5993

599

73, Rob
G4LMW
http://www.G4LMW.co.uk

----- Original Message -----
From: "Fabrizio iz2kxc" <iz2kxc@...>
To: <orion565@yahoogroups.com>
Sent: Friday, April 02, 2010 10:56 PM
Subject: [orion565] test sorry

> test
> 73
> Fabrizio
> IZ2KXC
> N2DN
> iz2kxc@...
> iz2kxc@...
> iz2kxc@...
>
>
> [Non-text portions of this message have been removed]
>
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> ------------------------------------
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>
> Yahoo! Groups Links
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5994. Erratic Orion performance

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-03 00:53:50 UTC
From: Bob Glasscock
Topic: 5994 Message: 5994

I've had my Orion for about four months and have had some problems that don't seem to have a logical explanation. Occasionally, the main receiver will go blank requiring a cold restart, which normally cures it. Then, from time time, the RIT and XIT will not work (main rcvr). I use HRD for CAT control about half the time and am using a MicroKeyer II for digimodes and CW. Does this sound like something a firmware update may cure or is it going to have to go to the TT Infirmary?

Bob Glasscock WA4WLI

148 Woodland Ct.

Greenville, AL 36037

[Non-text portions of this message have been removed]

5995. RE: [orion565] Erratic Orion performance

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-03 09:59:54 UTC
From: John T. Fleming
Topic: 5994 Message: 5995

Bob,

It sounds like you are having trouble with the connector that is mounted on the back of the row of buttons starting with "MENUS" on the right side of the display. Press along the edge between the buttons and the display. That will "exercise" the connections. If that clears up the problem, you need to clean the connection with DeoxIT DN5 and then protect the connection with DeoxIT shield S5. That is what I had to do with mine.

If you have the external "tuning" knob, you can change the menu setting to make the knob the RIT. It will not be erratic since it connects to the processor board with ribbon cable which is not the problem of the long pins that plug into the connector behind the buttons.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Bob Glasscock
Sent: Friday, April 02, 2010 8:54 PM
To: orion565@yahoogroups.com
Subject: [orion565] Erratic Orion performance

I've had my Orion for about four months and have had some problems that don't seem to have a logical explanation. Occasionally, the main receiver will go blank requiring a cold restart, which normally cures it. Then, from time time, the RIT and XIT will not work (main rcvr). I use HRD for CAT control about half the time and am using a MicroKeyer II for digimodes and CW. Does this sound like something a firmware update may cure or is it going to have to go to the TT Infirmary?

Bob Glasscock WA4WLI

148 Woodland Ct.

Greenville, AL 36037

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5996. RE: [orion565] Erratic Orion performance

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-04 01:21:55 UTC
From: Bob Glasscock
Topic: 5994 Message: 5996

Thanks for the advice, John. I have ordered the DeoxIT and will give it a go when it arrives. I'll keep you posted, and hope that does it.

73,

Bob WA4WLI

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John T. Fleming
Sent: Saturday, April 03, 2010 5:00 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Erratic Orion performance

Bob,

It sounds like you are having trouble with the connector that is mounted on the back of the row of buttons starting with "MENUS" on the right side of the display. Press along the edge between the buttons and the display. That will "exercise" the connections. If that clears up the problem, you need to clean the connection with DeoxIT DN5 and then protect the connection with DeoxIT shield S5. That is what I had to do with mine.

If you have the external "tuning" knob, you can change the menu setting to make the knob the RIT. It will not be erratic since it connects to the processor board with ribbon cable which is not the problem of the long pins that plug into the connector behind the buttons.

73,

John

From: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com [mailto:orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com] On Behalf
Of Bob Glasscock
Sent: Friday, April 02, 2010 8:54 PM
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Subject: [orion565] Erratic Orion performance

I've had my Orion for about four months and have had some problems that don't seem to have a logical explanation. Occasionally, the main receiver will go blank requiring a cold restart, which normally cures it. Then, from time time, the RIT and XIT will not work (main rcvr). I use HRD for CAT control about half the time and am using a MicroKeyer II for digimodes and CW. Does this sound like something a firmware update may cure or is it going to have to go to the TT Infirmary?

Bob Glasscock WA4WLI

148 Woodland Ct.

Greenville, AL 36037

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5997. New poll for orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-04 09:32:10 UTC
From: orion565@yahoogroups.com
Topic: 7 Message: 5997

Enter your vote today! A new poll has been created for the
orion565 group:

Greetings,

The Orion AGC program has been around for a while now.
Several versions have been posted and got downloaded by many people.
The youtube movies have been visited frequently as well around the world.
I am curious about your findings and appreciate if you could leave your vote behind in this voting section.
Please keep in mind that this program has been made available as shareware.
If you like to leave comments send me a personal message or leave a message in the forum for others to read.
Thanks for your feedback, 73 de pa1ap.

/// Please only vote if you have installed and used the program....///

o I am using Orion 1, firmware 1.x
o I am using Orion 1, firmware 2.x
o I am using Orion 2
o I am using the program on regular basis
o I am not using the program anymore
o Nice way to experiment with AGC
o The firmware profiles are usefull
o The program is user friendly
o On AGC model; I prefer to use RF Gain only
o On AGC model; I prefer to use Threshold only
o On AGC model; I prefer to use RF Gain / Threshold combined
o Adjusting AGC does improve the audio presence
o I would like to see more / different functionality

To vote, please visit the following web page:
http://groups.yahoo.com/group/orion565/surveys?id=13001465

Note: Please do not reply to this message. Poll votes are
not collected via email. To vote, you must go to the Yahoo! Groups
web site listed above.

Thanks!

5998. RE: [orion565] New poll for orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-04 14:12:28 UTC
From: Robert Carroll
Topic: 7 Message: 5998

In the way of additional functionality, I would like to see the ability to
set the rate of decay and rise and hang time added.

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Sunday, April 04, 2010 5:32 AM
To: orion565@yahoogroups.com
Subject: [orion565] New poll for orion565

Enter your vote today! A new poll has been created for the
orion565 group:

Greetings,

The Orion AGC program has been around for a while now.
Several versions have been posted and got downloaded by many people.
The youtube movies have been visited frequently as well around the world.
I am curious about your findings and appreciate if you could leave your vote
behind in this voting section.
Please keep in mind that this program has been made available as shareware.
If you like to leave comments send me a personal message or leave a message
in the forum for others to read.
Thanks for your feedback, 73 de pa1ap.

/// Please only vote if you have installed and used the program....///

o I am using Orion 1, firmware 1.x
o I am using Orion 1, firmware 2.x
o I am using Orion 2
o I am using the program on regular basis
o I am not using the program anymore
o Nice way to experiment with AGC
o The firmware profiles are usefull
o The program is user friendly
o On AGC model; I prefer to use RF Gain only
o On AGC model; I prefer to use Threshold only
o On AGC model; I prefer to use RF Gain / Threshold combined
o Adjusting AGC does improve the audio presence
o I would like to see more / different functionality

To vote, please visit the following web page:
http://groups.yahoo.com/group/orion565/surveys?id=13001465

Note: Please do not reply to this message. Poll votes are
not collected via email. To vote, you must go to the Yahoo! Groups
web site listed above.

Thanks!

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.800 / Virus Database: 271.1.1/2785 - Release Date: 04/03/10
14:32:00

[Non-text portions of this message have been removed]

5999. For Sale Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-05 14:55:06 UTC
From: ai4dq@aol.com
Topic: 5999 Message: 5999

Orion II auto Tuner 709A Dynamic mic and cable ,Cooling fan,
remote/encoder keypad, 307b SPEAKER, Filters 300hz 600hz 1.8ssb Have all the manuals and original Box Save 1800.00 OFF NEW Price(5243.00) $3400.00 shipped USA 48
pay pal or Money Order Would trade For SDR 5000 with similar option

[Non-text portions of this message have been removed]

6000. Ten Tec Orion 565 - Digitale Mode

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-09 13:01:41 UTC
From: iz2gaj
Topic: 6000 Message: 6000

Dear OM,
I've bought a Ten Tec Orion 565 and RIGblaster Nomic sound card interface.
I've some problem to set menu to working in digital mode (PSK, RTTY, etc.)
There are someone to help me to set radio and soundcard menu?
What is your setting?
MIC input or AUX input?

Please answer to my email address: iz2gaj_paolo@...

Thanks.

Best regards.

IZ2GAJ - Paolo

6001. New Orion 2 Firmware - Version 2.042A

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-13 20:38:08 UTC
From: Fotis SV8ING
Topic: 4870 Message: 6001

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

At last! Modified the SWEEP averaging routine in DSP processing. Fixed red screen problem in FFT display Removed SWEEP peak display elements. Fixed 6Hz error

6002. Re: New Orion 2 Firmware - Version 2.042A

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 00:23:31 UTC
From: KU_5Q
Topic: 4870 Message: 6002

Good deal!

I can't wait to get back in the homeland, get back home and load this.

In the meantime, will be looking forward to user comments until I get the chance to try things out for myself.

thx Fotis es fb.

ku5q

--- In orion565@yahoogroups.com, Fotis SV8ING <sv8ing@...> wrote:
>
> At last!
>
> Modified the SWEEP averaging routine in DSP processing.
>
> Fixed red screen problem in FFT display
>
> Removed SWEEP peak display elements.
>
> Fixed 6Hz error between main and sub
>
> Fixed AF AGC overload
>
> New noise reduction algorithm
>
> New s-meter calibration
>
> Fixed bug in USER recall that caused multi
> knob focus highlite to no be shown.
>
> 73
>
> Fotis SV8ING
>
> GREECE
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> _____
> ×ñçóéìïðïéåßôå Yahoo!;
> Âáñåè Þêáôå ôá åíï÷ëçôéêÜ ìçíýìáôá (spam); Ôï Yahoo! Mail äéáèÝôåé ôçí êáëýôåñç äõíáôÞ
ðñïóôáóßá êáôÜ ôùí åíï÷ëçôéêþí ìçíõìÜôùí
> http://mail.yahoo.gr
>
> [Non-text portions of this message have been removed]
>

6003. Re: New Orion 2 Firmware - Version 2.042A

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 00:30:31 UTC
From: Dennis
Topic: 4870 Message: 6003

I had to do a master reset to get the S meter to work right and seems I had to increase the mic gain to drive the amp at the same level as before. Also noticed that CAT control does not work - have tried different speeds but haven't found the right combination. Looks like there may be some bugs still. No doubt the noise reduction is much different than before.

73, Dennis W5UV

--- In orion565@yahoogroups.com, "KU_5Q" <tlp1@...> wrote:
>
> Good deal!
>
> I can't wait to get back in the homeland, get back home and load this.
>
> In the meantime, will be looking forward to user comments until I get the chance to try things out for myself.
>
> thx Fotis es fb.
>
> ku5q
>
> --- In orion565@yahoogroups.com, Fotis SV8ING <sv8ing@> wrote:
> >
> > At last!
> >
> > Modified the SWEEP averaging routine in DSP processing.
> >
> > Fixed red screen problem in FFT display
> >
> > Removed SWEEP peak display elements.
> >
> > Fixed 6Hz error between main and sub
> >
> > Fixed AF AGC overload
> >
> > New noise reduction algorithm
> >
> > New s-meter calibration
> >
> > Fixed bug in USER recall that caused multi
> > knob focus highlite to no be shown.
> >
> > 73
> >
> > Fotis SV8ING
> >

> > GREECE
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> > http://mail.yahoo.gr
> >
> > [Non-text portions of this message have been removed]
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>

6004. Re: New Orion 2 Firmware - Version 2.042A

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 00:47:41 UTC
From: KU_5Q
Topic: 4870 Message: 6004

Hey, thanks Dennis for the comments.

I'll ask this question, and no more to follow from me, can you add more comment about the NR?

Thanks, KU5Q

--- In orion565@yahoogroups.com, "Dennis" <w5uv@...> wrote:
>
> I had to do a master reset to get the S meter to work right and seems I had to increase the mic gain to drive the amp at the same level as before. Also noticed that CAT control does not work - have tried different speeds but haven't found the right combination. Looks like there may be some bugs still. No doubt the noise reduction is much different than before.
>
> 73, Dennis W5UV
>
> --- In orion565@yahoogroups.com, "KU_5Q" <tlp1@> wrote:
> >
> > Good deal!
> >
> > I can't wait to get back in the homeland, get back home and load this.
> >
> > In the meantime, will be looking forward to user comments until I get the chance to try things out for myself.
> >
> > thx Fotis es fb.
> >
> > ku5q
> >
> > --- In orion565@yahoogroups.com, Fotis SV8ING <sv8ing@> wrote:
> > >
> > > At last!
> > >
> > > Modified the SWEEP averaging routine in DSP processing.
> > >
> > > Fixed red screen problem in FFT display
> > >
> > > Removed SWEEP peak display elements.
> > >
> > > Fixed 6Hz error between main and sub
> > >
> > > Fixed AF AGC overload
> > >
> > > New noise reduction algorithm
> > >

> > > New s-meter calibration
> > >
> > > Fixed bug in USER recall that caused multi
> > > knob focus highlite to no be shown.
> > >
> > > 73
> > >
> > > Fotis SV8ING
> > >
> > > GREECE
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> > > ×ñçóéìïðïéåßôå Yahoo!;
> > > Âáñåèþêáôå ôá åíï÷ëçôéêÜ ìçíýìáôá (spam); Ôï Yahoo! Mail äéáèÝôåé ôçí êáëýôåñç äõíáôÞ
ðñïóôáóßá êáôÜ ôùí åíï÷ëçôéêþí ìçíõìÜôùí
> > > http://mail.yahoo.gr
> > >
> > > [Non-text portions of this message have been removed]
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> >
>

6005. Re: New Orion 2 Firmware - Version 2.042A

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 01:02:50 UTC
From: Dennis
Topic: 4870 Message: 6005

The NR is much more aggressive. I can hear some distortion on strong signals even at level 1 and it really reduces the noise on the frequency but in my opinion it is too much.

73, Dennis W5UV

--- In orion565@yahoogroups.com, "KU_5Q" <tlp1@...> wrote:
>
> Hey, thanks Dennis for the comments.
>
> I'll ask this question, and no more to follow from me, can you add more comment about the NR?
>
> Thanks, KU5Q
>
> --- In orion565@yahoogroups.com, "Dennis" <w5uv@> wrote:
> >
> > I had to do a master reset to get the S meter to work right and seems I had to increase the mic gain to drive the amp at the same level as before. Also noticed that CAT control does not work - have tried different speeds but haven't found the right combination. Looks like there may be some bugs still. No doubt the noise reduction is much different than before.
> >
> > 73, Dennis W5UV
> >
> > --- In orion565@yahoogroups.com, "KU_5Q" <tlp1@> wrote:
> > >
> > > Good deal!
> > >
> > > I can't wait to get back in the homeland, get back home and load this.
> > >
> > > In the meantime, will be looking forward to user comments until I get the chance to try things out for myself.
> > >
> > > thx Fotis es fb.
> > >
> > > ku5q
> > >
> > > --- In orion565@yahoogroups.com, Fotis SV8ING <sv8ing@> wrote:
> > > >
> > > > At last!
> > > >
> > > > Modified the SWEEP averaging routine in DSP processing.
> > > >
> > > > Fixed red screen problem in FFT display
> > > >

> > > > Removed SWEEP peak display elements.
> > > >
> > > > Fixed 6Hz error between main and sub
> > > >
> > > > Fixed AF AGC overload
> > > >
> > > > New noise reduction algorithm
> > > >
> > > > New s-meter calibration
> > > >
> > > > Fixed bug in USER recall that caused multi
> > > > knob focus highlite to no be shown.
> > > >
> > > > 73
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> > > > Fotis SV8ING
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> > > > Âáñåèþêáôå ôá åíï÷ëçôéêÜ ìçíýìáôá (spam); Ôï Yahoo! Mail äéáèÝôåé ôçí êáëýôåñç äõíáôÞ ðñïóôáóßá êáôÜ ôùí åíï÷ëçôéêþí ìçíõìÜôùí
> > > > http://mail.yahoo.gr
> > > >
> > > > [Non-text portions of this message have been removed]
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>

6006. Re: New Orion 2 Firmware - Version 2.042A

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 01:37:08 UTC
From: Troy
Topic: 4870 Message: 6006

I just noticed that I lost the both the waterfall and the spectrum display.
I did a master reset, but no joy. Did a reload of the firmware. No luck.
Any suggestions as to what I did wrong?
Troy, W6HV

6007. Re: [orion565] Re: New Orion 2 Firmware - Version 2.042A

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 02:46:18 UTC
From: James Streible
Topic: 4870 Message: 6007

Dennis and all,

I just came up from checking out the new 2.042A. In my opinion they are "Going from bad to worse"!
The noise reduction is worthless. Rather then having the adjustment set how aggressive it responds
we need to be able to set the amount of noise reduction. Audio is distorted when it is turned on and
weak signals just disappear.
The new S-Meter settings are a joke..A calibrated 50uV signal is reading S-9 +25. and 12db reduction
brings it back to S-9. Linearity anyone??? I never could get the AGC et to my liking. and the AF AGC
keeps the S-Meter hanging near the top of the scale. A Master Reset would help for a little while but
it would then go back to hanging up. I wish they would forget the AF AGC altogether.

The new spectrum display gets rid of the red flash and picket fence but now we have a white flash
that at lest doesn't stay on the screen.

I think I am ready to go back to 2.039d.

Thanks for letting me rant a little. I would just like to know what they are trying to do with the
software programs.

73,

Jim K4DLI

Dennis wrote:
>
>
> The NR is much more aggressive. I can hear some distortion on strong
> signals even at level 1 and it really reduces the noise on the
> frequency but in my opinion it is too much.
>
> 73, Dennis W5UV
>
>
>

[Non-text portions of this message have been removed]

6008. Ver 2.042A

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 02:49:35 UTC
From: pflueger46
Topic: 6008 Message: 6008

Well I downloaded the new version and now I cannot communicate with any of my software, such as, Dxbase 2007, N1MM, HRD, N4PY etc. I wanted to go back to the version I orginally had which was the Beta version but it apparently has been removed from the site. I know that there is a page that has all of the previous versions for the Orion II some where out there so please advise.

The audio is also so raspy that it is not real pleasant to listen to. Using the DSP of 1 just about shuts the receiver off. I just hope the folks at Ten Tec reads this.

Thanks Ed.. AB4IQ

6009. Re: [orion565] Ver 2.042A

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 03:13:51 UTC
From: Alan Sewell N5NA
Topic: 6008 Message: 6009

You can download the last Beta at
<http://www.tentecwiki.org/doku.php?id=566firmware>

73,

Alan N5NA

pflueger46 wrote:
> Well I downloaded the new version and now I cannot communicate with any of my software, such as, Dxbase 2007, N1MM, HRD, N4PY etc. I wanted to go back to the version I orginally had which was the Beta version but it apparently has been removed from the site. I know that there is a page that has all of the previous versions for the Orion II some where out there so please advise.
>
> The audio is also so raspy that it is not real pleasant to listen to. Using the DSP of 1 just about shuts the receiver off. I just hope the folks at Ten Tec reads this.
>
> Thanks Ed.. AB4IQ
>
>
>
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>

6010. RE: [orion565] Ver 2.042A

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 03:17:41 UTC
From: Verne A. Eastwood
Topic: 6008 Message: 6010

Alan;

Thanks for the link. Looks like the new release is full of bugs.

73's

Verne K4VAE

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Alan Sewell N5NA
Sent: Tuesday, April 13, 2010 11:14 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Ver 2.042A

You can download the last Beta at
<http://www.tentecwiki.org/doku.php?id=566firmware>

73,

Alan N5NA

pflueger46 wrote:
> Well I downloaded the new version and now I cannot communicate with any of my software, such as, Dxbase 2007, N1MM, HRD, N4PY etc. I wanted to go back to the version I orginally had which was the Beta version but it apparently has been removed from the site. I know that there is a page that has all of the previous versions for the Orion II some where out there so please advise.
>
> The audio is also so raspy that it is not real pleasant to listen to. Using the DSP of 1 just about shuts the receiver off. I just hope the folks at Ten Tec reads this.
>
> Thanks Ed.. AB4IQ
>
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>

[Non-text portions of this message have been removed]

6011. RE: [orion565] Ver 2.042A

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 03:22:21 UTC
From: Ed Pflueger
Topic: 6008 Message: 6011

Thanks Alan, I found 2.041XT hid on my pc and everything is working again including all software programs and audio is a gain pleasing. I just have to retype my memory frequencies again all 30 of them. No big deal just time consuming.

73's Ed.

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Alan Sewell N5NA
Sent: Tuesday, April 13, 2010 10:14 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Ver 2.042A

You can download the last Beta at
<http://www.tentecwiki.org/doku.php?id=566firmware>

73,

Alan N5NA

pflueger46 wrote:
> Well I downloaded the new version and now I cannot communicate with any of my software, such as, Dxbase 2007, N1MM, HRD, N4PY etc. I wanted to go back to the version I orginally had which was the Beta version but it apparently has been removed from the site. I know that there is a page that has all of the previous versions for the Orion II some where out there so please advise.
>
> The audio is also so raspy that it is not real pleasant to listen to. Using the DSP of 1 just about shuts the receiver off. I just hope the folks at Ten Tec reads this.
>
> Thanks Ed.. AB4IQ
>
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>

[Non-text portions of this message have been removed]

6012. Re: Ver 2.042A

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 03:24:23 UTC
From: norbe1975
Topic: 6008 Message: 6012

In my opinion this guys at tentec just don't test out the firmware correctly.
How can you releise a firmware that has so many errors.
The AF AGC doesn't work well. If you use the manual notch in the AF AGC the radio just lost reception.
If you go to RF AGC the AN is worse than ever even at level 1 it just has mayor distortion.
The NR is now useless in my opinion. Even at level one the NR is too strong.
Why would you want to public a firmware that is good for nothing???
Why do other brands have an UPgrade when you change the firmware while tentec seems just to DOWNgrade???

TENTEC PLEASE CHECK THE FIRMWARES BEFORE YOU RELEASE THEM. DON'T USE US AS YOUR LAB MICE.....WE ALL BOUGHT YOUR PRODUCTS BECAUSE WE THOUGHT THEY WHERE THE BEST, WHY MAKE THEM WORSE?

TI2TL
Norberto

--- In orion565@yahoogroups.com, Alan Sewell N5NA <alan.n5na@...> wrote:
>
> You can download the last Beta at
> <http://www.tentecwiki.org/doku.php?id=566firmware>
>
> 73,
>
> Alan N5NA
>
>
> pflueger46 wrote:
> > Well I downloaded the new version and now I cannot communicate with any of my software, such as, Dxbase 2007, N1MM, HRD, N4PY etc. I wanted to go back to the version I orginally had which was the Beta version but it apparently has been removed from the site. I know that there is a page that has all of the previous versions for the Orion II some where out there so please advise.
> >
> > The audio is also so raspy that it is not real pleasant to listen to. Using the DSP of 1 just about shuts the receiver off. I just hope the folks at Ten Tec reads this.
> >
> > Thanks Ed.. AB4IQ
> >
> >
> >
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> >
>

6013. Orion II 2.042A

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 04:45:29 UTC
From: ai4dq@aol.com
Topic: 6013 Message: 6013

Well hard to be live this was released , the Mic gain setting you had throw them out the window . I am still not satisfied with the setting TX is not driven as before 40 watts use to drive my Acom 2000 A 1500 watts now it takes 58 Mics gain now is at 26/24 SP is now 4/ 3 H/W Mic gain 7/2.5 This almost get the rig back to driving to full 1500 watts on the amp. I am running the 707 Mic still not sounding good . Now the noise reduction improvement is nice and the auto notch works . Do your self a favor quick check shows a host of issue . Maybe released a work in progress ,and not the real mcoy.

This is not Ready for Prime Time.

Phil AI4DQ

[Non-text portions of this message have been removed]

6014. Re: [orion565] Re: Ver 2.042A

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 04:50:39 UTC
From: ai4dq@aol.com
Topic: 6008 Message: 6014

Big problem when the basic audio setting are screwed up , and when you finely get the radio to drive right you cant audio to sound worth FRAK!

In a message dated 4/13/2010 11:24:35 P.M. Eastern Daylight Time, normal@... writes:

In my opinion this guys at tentec just don't test out the firmware correctly.
How can you releise a firmware that has so many errors.
The AF AGC doesn't work well. If you use the manual notch in the AF AGC the radio just lost reception.
If you go to RF AGC the AN is worse than ever even at level 1 it just has mayor distortion.
The NR is now useless in my opinion. Even at level one the NR is too strong.
Why would you want to public a firmware that is good for nothing???
Why do other brands have an UPgrade when you change the firmware while tentec seems just to DOWNgrade???

TENTEC PLEASE CHECK THE FIRMWARES BEFORE YOU RELEASE THEM. DON'T USE US AS YOUR LAB MICE......WE ALL BOUGHT YOUR PRODUCTS BECAUSE WE THOUGHT THEY WHERE THE BEST, WHY MAKE THEM WORSE?

TI2TL
Norberto

--- In _orion565@yahoogrouporion_ (mailto:orion565@...m) , Alan Sewell N5NA <alan.n5na@.al> wrote:
>
> You can download the last Beta at
> <_http://www.tentecwihttp://www.thttp://www.tenteht_ (http://www.tentecwiki.org/doku.php?id=566firmware) >
>
> 73,
>
> Alan N5NA
>
>
> pflueger46 wrote:
> > Well I downloaded the new version and now I cannot communicate with any of my software, such as, Dxbase 2007, N1MM, HRD, N4PY etc. I wanted to go back to the version I orginally had which was the Beta version but it apparently has been removed from the site. I know that there is a page that has all of the previous versions for the Orion II some where out there so please advise.
> >

> > The audio is also so raspy that it is not real pleasant to listen to.
Using the DSP of 1 just about shuts the receiver off. I just hope the folks
at Ten Tec reads this.
> >
> > Thanks Ed.. AB4IQ
> >
> >
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> >
>

[Non-text portions of this message have been removed]

6015. Ver 2.042A

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 10:29:36 UTC
From: wa2zod
Topic: 6008 Message: 6015

042A won't communicate with my ACLog software. I'm back to 041XL until TT figures this out. What a bummer!

6016. Re: Ver 2.042A_WOW!!!!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 14:14:49 UTC
From: KU_5Q
Topic: 6008 Message: 6016

Thanks for the information.

After reading all this I won't waste the time to load it.

Oh well......I'll stick with the K3 and keep the 566 for back-up.

Maybe next time

--- In orion565@yahoogroups.com, "wa2zod" <kbritton@...> wrote:
>
> 042A won't communicate with my ACLog software. I'm back to 041XL until TT figures this out. What a bummer!
>

6017. Re: [orion565] Re: Ver 2.042A_WOW!!!!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 15:01:33 UTC
From: James Streible
Topic: 6008 Message: 6017

I just went back to the ham shack to check out the reports of not being
able to communicate
to the O2 with the new software installed. I can't. None of my programs
that usually talk
to the O2 would do anything. I reinstalled 2.039d and everything works
as it should.
I have also had the other 2 beta versions installed and they worked OK
but with some
problems.

What is going on with Ten-Tec??

I reported my findings last night on the the operation of the new
software and did not
check communications at that time only reception , which was below par.

I think they have great hardware and general this is the best receiver I
have had
in 50 some years of hamming. However, the software implementation sucks.
If they
don't get it right in a short while I think I will put my O2 on the market.

Jim K4DLI

KU_5Q wrote:
>
> Thanks for the information.
>
> After reading all this I won't waste the time to load it.
>
> Oh well......I'll stick with the K3 and keep the 566 for back-up.
>
> Maybe next time
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>,
> "wa2zod" <kbritton@...> wrote:
> >
> > 042A won't communicate with my ACLog software. I'm back to 041XL
> until TT figures this out. What a bummer!
> >
>
>

[Non-text portions of this message have been removed]

6018. Re: Ver 2.042A_WOW!!!!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 18:27:57 UTC
From: KU_5Q
Topic: 6008 Message: 6018

Hmmm.......maybe its time to have a look at the source code. How proprietary is it? Maybe it's time to look at technically able owners/operators to producing their own fixes. This technology is not new. To an extent, the ham market is not a huge money maker for some of these companies. Could be wrong, but perhaps it's not worth it from a financial position to devote much resource to this problem.

Another oppourtunity maybe. Might be worth looking into.

On an aside, Elecraft can't make the K3's fast enough. Look at their support and presence in the reflectors. It is a different realm. No comparison.

I still like my 566 alot even though it's not used as much since the K3 came here(the 7700's get no use, they may be on the selling block soon).

I don't want to talk ugly about Ten Tec, but their actions in support of the 566 FW have spoken.

I see another great opportunity, challenge, and project.

Could be a lot of fun!

--- In orion565@yahoogroups.com, James Streible <k4dli@...> wrote:
>
> I just went back to the ham shack to check out the reports of not being
> able to communicate
> to the O2 with the new software installed. I can't. None of my programs
> that usually talk
> to the O2 would do anything. I reinstalled 2.039d and everything works
> as it should.
> I have also had the other 2 beta versions installed and they worked OK
> but with some
> problems.
>
> What is going on with Ten-Tec??
>
> I reported my findings last night on the the operation of the new
> software and did not
> check communications at that time only reception , which was below par.
>
> I think they have great hardware and general this is the best receiver I
> have had
> in 50 some years of hamming. However, the software implementation sucks.
> If they
> don't get it right in a short while I think I will put my O2 on the market.
>
> Jim K4DLI
>

>
>
> KU_5Q wrote:
> >
> > Thanks for the information.
> >
> > After reading all this I won't waste the time to load it.
> >
> > Oh well......I'll stick with the K3 and keep the 566 for back-up.
> >
> > Maybe next time
> >
> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>,
> > "wa2zod" <kbritton@> wrote:
> > >
> > > 042A won't communicate with my ACLog software. I'm back to 041XL
> > until TT figures this out. What a bummer!
> > >
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>
>
> [Non-text portions of this message have been removed]
>

6019. Re: [orion565] New Orion 2 Firmware - Version 2.042A

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 18:51:52 UTC
From: Fabio Liberatori
Topic: 4870 Message: 6019

Hello all,
here is a remarkable update :

> Due to some issues with this new release Firmware Version 2.041XT ?
> has been reposted for you to fall back to if you have issues with
> the current version. Visit the Orion 2 Downloads to download this
> update.
>
> ? Ryan Crisman ? Apr 14, 11:10 AM ? Ten-Tec Staff
>

73, Fabio I0LBE

[Non-text portions of this message have been removed]

6020. Re: [orion565] New Orion 2 Firmware - Version 2.042A

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 19:19:45 UTC
From: James Streible
Topic: 4870 Message: 6020

Maybe they are getting the message.

Jim K4DLI

Fabio Liberatori wrote:
> Hello all,
> here is a remarkable update :
>
>
>> Due to some issues with this new release Firmware Version 2.041XT ?
>> has been reposted for you to fall back to if you have issues with
>> the current version. Visit the Orion 2 Downloads to download this
>> update.
>>
>> ? Ryan Crisman ? Apr 14, 11:10 AM ? Ten-Tec Staff
>>
>>
>
> 73, Fabio I0LBE
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

6021. Orion II Firmware Update

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-14 20:16:23 UTC
From: John
Topic: 6021 Message: 6021

We want to thank everyone for their inputs on the Orion II firmware release 2.042A. We are reviewing the issues right now.

Thanks,
John Henry, KI4JPL
TenTec Engineering

6022. Orion II Firmware Update

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-15 11:06:52 UTC
From: k3xr@comcast.net
Topic: 6021 Message: 6022

Have given 2.042A some thought and a few points come to mind. Tried to see some humor in the release thinking that the date should have been April 1st, but it's not funny.

Sure a bug is bound to pop up in a new release but it is apparent that this release had very little, if any, testing,, prior to it being posted, as some of the problems are rather glaring.

Seems to me there are some extremely talented folks who are able to work magic when it comes to software and some equally talented folks who can sit down and design wonderful transceivers. What seems to be lacking, or at least limited, is the talent to marry all of the above.

I look at the date of this release and the date for the Dayton Hamfest and think of the possibility that Ten Tec may have been in rush to have the new release coincide with the Hamfest , sort of a "look what we have done for you lately" type of thing.

Not a Ten Tec basher , in over 50 years on the air have owned many and enjoyed operating them all, have even had review articles published on Ten Tec gear. Their service is second to none.

Don't expect I will be around for another 50 years let's hope that's not the case with Ten Tec .

DAN, K3XR

[Non-text portions of this message have been removed]

6023. Re: [orion565] Orion II Firmware Update

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-15 21:10:22 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6021 Message: 6023

Thanks John, it's nice to know we have the "ear" of TenTec. After all, each of us have an investment in the company, one way or another.

Sam
K3SAM
ORION II OWNER

From: John <jshenry1963@...>
To: orion565@yahoogroups.com
Sent: Wed, April 14, 2010 4:16:23 PM
Subject: [orion565] Orion II Firmware Update

We want to thank everyone for their inputs on the Orion II firmware release 2.042A. We are reviewing the issues right now.

Thanks,
John Henry, KI4JPL
TenTec Engineering

[Non-text portions of this message have been removed]

6024. Re: [orion565] Re: Ver 2.042A_WOW!!!!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-15 21:48:30 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6008 Message: 6024

I agree 100%. I've been in Alpha and Beta testing for many MAJOR software corps. over the years including Microsoft, Adobe, Mozilla, and REB Inc. just to name a few. I've signed agreements with those companies that state I will not share, release or talk about the "secret" code. That gave me a chance to use, evaluate and in some cases modify code and report back to the software author daily. All in all it made for a much better end product.

Think about it TenTec programming, we are here to HELP, not hurt your company.

Sam
K3SAM

From: KU_5Q <tlp1@vzavenue.net>
To: orion565@yahoogroups.com
Sent: Wed, April 14, 2010 2:27:57 PM
Subject: [orion565] Re: Ver 2.042A_WOW!!!!

Hmmm.......maybe its time to have a look at the source code. How proprietary is it? Maybe it's time to look at technically able owners/operators to producing their own fixes. This technology is not new. To an extent, the ham market is not a huge money maker for some of these companies. Could be wrong, but perhaps it's not worth it from a financial position to devote much resource to this problem.

Another oppourtunity maybe. Might be worth looking into.

On an aside, Elecraft can't make the K3's fast enough. Look at their support and presence in the reflectors. It is a different realm. No comparison.

I still like my 566 alot even though it's not used as much since the K3 came here(the 7700's get no use, they may be on the selling block soon).

I don't want to talk ugly about Ten Tec, but their actions in support of the 566 FW have spoken.

I see another great opportunity, challenge, and project.

Could be a lot of fun!

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> > Maybe next time
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

6025. Orion Firmware- perhaps something positive!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-16 01:16:45 UTC
From: Rick W
Topic: 6025 Message: 6025

In January of 2009 I joined the Omni VII group on Yahoo. I did not, and still do not, own an Omni VII., however, I had heard a lot of good things about the Omni VII firmware development. As an Orion (565) owner this caught my interest.

As I monitored the Omni VII list it was quite refreshing to see how Ten-Tec, represented by John Henry, took an active part. User's remarks and suggestions were openly discussed and often incorporated into the next firmware release. Quite a contrast from the way Orion firmware seemed to have developed in recent years.

Like other Orion owners I have openly voiced my concerns about the lack of adequate firmware "fixes" for the Orion and Orion II. At times I almost threw in the towel and moved on but now I am encouraged. I definitely see the return of John Henry to Ten-Tec as a positive addition. I also feel that for John Henry to come on both the Ten-Tec reflector and the Orion Yahoo Group this week as a BIG step forward.

Hopefully this will mark the start of a new approach to Orion firmware development. I know that others may not agree but, in my eyes, the events of the last few days have made me more positive about the future of my Orion than I have been for a long time!

73,
Rick
VE7TK

Website: http://www3.telus.net/ve7tk

_____
Be smarter than spam. See how smart SpamGuard is at giving junk email the boot with the All-new Yahoo! Mail. Click on Options in Mail and switch to New Mail today or register for free at http://mail.yahoo.ca

[Non-text portions of this message have been removed]

6026. Re: [orion565] Orion Firmware- perhaps something positive!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-16 02:37:49 UTC
From: Bob Harris
Topic: 6025 Message: 6026

Rick W <ve7tk@yahoo.ca> wrote:

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>
>Yahoo! Groups Links
>
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6027. RE: [orion565] Re: Ver 2.042A_WOW!!!!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-16 03:04:54 UTC
From: Tony Lelieveld
Topic: 6008 Message: 6027

I love my ORION II but I have been very frustrated about the "no response" attitude of TenTec. I still believe in them and feel strongly about buying home-grown stuff (yes I know about possible foreign parts being used too, it's nearly impossible not to) I hope that they are going to develop a better "communication" attitude towards their loyal customers. They deserve some explanation as to the lack of response and progress of this certainly not "cheap" radio.

73, Tony VE3DWI / K8DWI.

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Sam W. Jacobs, C.E.T.
Sent: April 15, 2010 17:49
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Ver 2.042A_WOW!!!!

I agree 100%. I've been in Alpha and Beta testing for many MAJOR software corps. over the years including Microsoft, Adobe, Mozilla, and REB Inc. just to name a few. I've signed agreements with those companies that state I will not share, release or talk about the "secret" code. That gave me a chance to use, evaluate and in some cases modify code and report back to the software author daily. All in all it made for a much better end product.

Think about it TenTec programming, we are here to HELP, not hurt your company.

Sam
K3SAM

From: KU_5Q <tlp1@vzavenue. <mailto:tlp1%40vzavenue.net> net>
To: orion565@yahoogroup <mailto:orion565%40yahoogroups.com> s.com
Sent: Wed, April 14, 2010 2:27:57 PM
Subject: [orion565] Re: Ver 2.042A_WOW!!!!

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Another oppourtunity maybe. Might be worth looking into.

On an aside, Elecraft can't make the K3's fast enough. Look at their support and presence in the reflectors. It is a different realm. No comparison.

I still like my 566 alot even though it's not used as much since the K3 came here(the 7700's get no use, they may be on the selling block soon).

I don't want to talk ugly about Ten Tec, but their actions in support of the 566 FW have spoken.

I see another great opportunity, challenge, and project.

Could be a lot of fun!

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6028. Re: Ver 2.042A_WOW!!!!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-16 03:38:52 UTC
From: toby423p
Topic: 6008 Message: 6028

My take on all this is that John Henry did not mastermind this latest release of firmware. In working with the Omni 7, John was very through and communicated a lot with hams who owned the Omni 7.

But from John's post to this forum, if he wasn't involved before, he is right now. So that will be good and things will get done.

Toby W4CAK

--- In orion565@yahoogroups.com, "Tony Lelieveld" <ve3dwi@...> wrote:
>
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> attitude of TenTec. I still believe in them and feel strongly about buying
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> 73, Tony VE3DWI / K8DWI.
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> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Sam W. Jacobs, C.E.T.
> Sent: April 15, 2010 17:49
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Re: Ver 2.042A_WOW!!!!
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6029. Re: Ver 2.042A_WOW!!!!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-16 14:07:03 UTC
From: saukp
Topic: 6008 Message: 6029

From Ten Tec Website
they have heard it all loud and clear
and are responding
see below response

Orion II Information - 2010-04-15

We want to thank everyone for their inputs on the Orion II firmware
release 2.042A. We are reviewing the issues right now.

We have taken 2.042A down for the time being

Firmware Version 2.039d & 2.041XT ☐ has been reposted for you to fall back to if you have issues with the current version. Visit the Orion 2 Downloads to download this update.

Thanks,
John Henry, KI4JPL
TenTec Engineering

--

6030. Re: Ver 2.042A_WOW!!!!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-17 02:14:06 UTC
From: KU_5Q
Topic: 6008 Message: 6030

How about that?

Still a great XCVR.

At least the makers/co will respond in public forum.

The asian mfrs will commit suicide before they admit to a mistake.

We need to make this stuff in the USA, and pay more for it if we have to. At least for now. Lets be producers instead consumers on the cheap. Cheaper is not always better.

My 7700's go on sale soon.

--- In orion565@yahoogroups.com, "saukp" <saukp@...> wrote:
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> Thanks,
> John Henry, KI4JPL
> TenTec Engineering
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> --
>

6031. Orion firmware - A refreshing change!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-17 02:43:43 UTC
From: ve7tk
Topic: 6008 Message: 6031

The message below was posted on the Ten-Tec group earlier today. A VERY refreshing change.

73, Rick
VE7TK

----- Original Message -----
From: "Henry, John" <jhenry@...>
To: <tentec@...>
Sent: Friday, April 16, 2010 4:29 PM
Subject: [TenTec] Orion II Firmware Status Update April 16

This posting is to help keep our valued customers up to date with the current status of the Orion II firmware.

We have distributed a new beta version of the Orion II firmware for testing by a small group of your peers for the weekend.

We still have a set of measurement tests that we want to complete before we can give this beta firmware the green light to post for public use.

If all goes well, this firmware will still post as a beta because we are still ironing out AF AGC and a few other related items. Once AF AGC is ironed out in a future release, that release will be posted as a production release.

Installation of our beta firmware is of course purely voluntary.

Thanks,
John Henry, KI4JPL
TenTec Engineering

6032. RE: [orion565] Re: Ver 2.042A_WOW!!!!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-17 03:06:05 UTC
From: Robert Carroll
Topic: 6008 Message: 6032

I am sure TT will go after this release and get it perfect or at least for the most part straightened out. But I am more interested in how this happened. How in the world could this have slipped by any kind of "ready to post" review? I think back to the early 565 V1 releases. There was a beta team of high power users who put the releases through their paces over the air and gave feedback to TT before the betas were released more widely. The process wasn't perfect and there were many, many point releases. The "it's really sensitive to RF in the shack" lockups the 565 was known for were gradually recognized as defects in the firmware or things that could be cured by firmware sanity routines. Then for reasons discussed and speculated about on this reflector long ago, the beta team process was stopped and by the change to version 2 firmware, releases were held within TenTec until release. At that point different sorts of squirrely problems started to develop. After very, very long development periods a release would be posted and it would immediately be found by the user community that things which were not supposed to have been touched had somehow been changed for the worse. I recall gain allocations, audio performance, and AGC performance were issues. It seemed that one major item would be improved or fixed, but several other things were broken unintentionally. There was feeling on the reflector that whatever testing had been done had focused on the major thing changed but that overall performance had not been checked in detail before release-at least not by an team of experienced ham operators. And now we have a totally bonkers release which must have gone through a very ineffective release process. I'd like to understand what the root cause of the problem was and how TenTec is going to tighten up their procedures.

From what I understand, TenTec concluded the beta review teams from 565 version 1 days had turned out to be a PITA, but if that's the only way to get things checked out, maybe they should be reconsidered. Given the release rate of the Elecraft and Flex more or less public domain firmware, I also think TenTec needs to find a way to shorten their release intervals to stay competitive. There were financial reasons for them not to go to the Elecraft or Flex model for firmware development. Maybe a positive outcome of the recent release issues will be that TT will find a better way to keep their high-end transceiver customers happy while keeping their high-end transceiver business financially healthy. I'd like to see them run circles around the foreign competition-which has put out some very expensive poorly performing transceivers recently.

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of KU_5Q
Sent: Friday, April 16, 2010 10:14 PM
To: orion565@yahoogroups.com

Subject: [orion565] Re: Ver 2.042A_WOW!!!!

How about that?

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>

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.801 / Virus Database: 271.1.1/2814 - Release Date: 04/16/10 14:31:00

[Non-text portions of this message have been removed]

6033. Re: Orion Firmware- perhaps something positive!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-18 20:41:11 UTC
From: k1fpv
Topic: 6025 Message: 6033

Rick,

You are missing a good radio. I own not only an Orion II here, but an Omni VII too. I love them both and have my reasons for owning 2 new rigs like this. By the way, I also own an older Jupiter(green screen), and Argo V, a model 526 (6N2) and an RX-320D. Yes....I am a Ten-Tec fan! I'm certain we will eventually see good working updates!

73,
Bill
K1FPV

--- In orion565@yahoogroups.com, Rick W <ve7tk@...> wrote:
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> Be smarter than spam. See how smart SpamGuard is at giving junk email the boot with the All-new Yahoo! Mail. Click on Options in Mail and switch to New Mail today or register for free at http://mail.yahoo.ca
>

> [Non-text portions of this message have been removed]
>

6034. Re: Orion Firmware- perhaps something positive!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-19 15:36:35 UTC
From: ve7tk
Topic: 6025 Message: 6034

Well Bill not to fear, I too am a Ten-Tec fan.

I have an Orion as my main rig in the shack, an Argonaut V for PSK and backup in the shack and a Scout in my van. (The shack also has a 253 antenna coupler and a Hercules II amp and 9420 power supply.) I've also owned a 509, RX-320, Omni v.9, a 1208 transverter, a Century 22 and other Ten-Tec bits and pieces!

I have heard good things about the Omni VII but resources and my efforts to maintain marital bliss in my 42+ year marriage preclude the purchase of another HF rig at this time - hi!

Finally, I agree - a working firmware update for the Orion looks better than it has in many months!

73,
Rick
VE7TK

Website: http://www3.telus.net/ve7tk

--- In orion565@yahoogroups.com, "k1fpv" <k1fpv@...> wrote:
>
> Rick,
>
> You are missing a good radio. I own not only an Orion II here, but an Omni VII too. I love them both and have my reasons for owning 2 new rigs like this. By the way, I also own an older Jupiter(green screen), and Argo V, a model 526 (6N2) and an RX-320D. Yes....I am a Ten-Tec fan! I'm certain we will eventually see good working updates!
>
> 73,
> Bill
> K1FPV
>
> --- In orion565@yahoogroups.com, Rick W <ve7tk@> wrote:
> >
> > In January of 2009 I joined the Omni VII group on Yahoo. I did not, and still do not, own an Omni VII., however, I had heard a lot of good things about the Omni VII firmware development. As an Orion (565) owner this caught my interest.
> >
> > As I monitored the Omni VII list it was quite refreshing to see how Ten-Tec, represented by John Henry, took an active part. User's remarks and suggestions were openly discussed and often incorporated into the next firmware release. Quite a contrast from the way Orion firmware seemed to have developed in recent years.
> >
> > Like other Orion owners I have openly voiced my concerns about the lack of adequate firmware "fixes" for the Orion and Orion II. At times I almost threw in the towel and moved

on but now I am encouraged. I definitely see the return of John Henry to Ten-Tec as a positive addition. I also feel that for John Henry to come on both the Ten-Tec reflector and the Orion Yahoo Group this week as a BIG step forward.
> >
> > Hopefully this will mark the start of a new approach to Orion firmware development. I know that others may not agree but, in my eyes, the events of the last few days have made me more positive about the future of my Orion than I have been for a long time!
> >
> > 73,
> > Rick
> > VE7TK
> >
> >
> > Website: http://www3.telus.net/ve7tk
> >
> >

6035. Re: Orion Firmware- perhaps something positive!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-19 22:36:24 UTC
From: ve7tk
Topic: 6025 Message: 6035

Well Bill not to fear, I too am a Ten-Tec fan.

I have an Orion as my main rig in the shack, an Argonaut V for PSK and backup in the shack and a Scout in my van. (The shack also has a 253 antenna coupler and a Hercules II amp and 9420 power supply.) I've also owned a 509, RX-320, Omni v.9, a 1208 transverter, a Century 22 and other Ten-Tec bits and pieces!

I have heard good things about the Omni VII but resources and my efforts to maintain marital bliss in my 42+ year marriage preclude the purchase of another HF rig at this time - hi!

Finally, I agree - a working firmware update for the Orion looks better than it has in many months!

73,
Rick
VE7TK

Website: http://www3.telus.net/ve7tk

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> > 73,
> > Rick
> > VE7TK
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> > Website: http://www3.telus.net/ve7tk
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6036. Re: Orion Firmware- perhaps something positive!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-21 16:05:40 UTC
From: k1fpv
Topic: 6025 Message: 6036

Well Rick,

My XYL of 39 years, soon to be 40 years, has fortunately allowed me to get the toys to keep busy since I retired. I had to retire a little earlier than I wanted for medical reasons and fortunately, Ham Radio is something I enjoy and keep busy building new home brew items as well. Ocassionally I buy a rig on eBay that isn't working, fix it and I wind up with another toy when I fix it! ;=)

I'm fortunate in that I have all the equipment for this venture. I have meters, generators(audio, RF & function), spectrum analyzer, power meters, etc. I'm also lucky enough to have a buddy who works at a calivbration l;ab and makes sure my goodies are current.

I got my Orion II this way for about 1/3 the regular price. A couple hours and about $7.00 in parts got me a working unit. Can't complain there!

Bill/K1FPV

--- In orion565@yahoogroups.com, "ve7tk" <ve7tk@...> wrote:
>
> Well Bill not to fear, I too am a Ten-Tec fan.
>
> I have an Orion as my main rig in the shack, an Argonaut V for PSK and backup in the shack and a Scout in my van. (The shack also has a 253 antenna coupler and a Hercules II amp and 9420 power supply.) I've also owned a 509, RX-320, Omni v.9, a 1208 transverter, a Century 22 and other Ten-Tec bits and pieces!
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> Finally, I agree - a working firmware update for the Orion looks better than it has in many months!
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> 73,
> Rick
> VE7TK
>
> Website: http://www3.telus.net/ve7tk
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> >
> > Rick,
> >
> > You are missing a good radio. I own not only an Orion II here, but an Omni VII too. I love them both and have my reasons for owning 2 new rigs like this. By the way, I also own

an older Jupiter(green screen), and Argo V, a model 526 (6N2) and an RX-320D. Yes....I am a Ten-Tec fan! I'm certain we will eventually see good working updates!
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> > 73,
> > Bill
> > K1FPV
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> > > In January of 2009 I joined the Omni VII group on Yahoo. I did not, and still do not, own an Omni VII., however, I had heard a lot of good things about the Omni VII firmware development. As an Orion (565) owner this caught my interest.
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> > > 73,
> > > Rick
> > > VE7TK
> > >
> > >
> > > Website: http://www3.telus.net/ve7tk
> > >
> > >
>

6037. Subrx dsp filtering problem introduced in Orion v2 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2010-04-24 12:13:28 UTC
From: Barry N1EU
Topic: 6037 Message: 6037

I made two simple recordings illustrating the subrx cw filter "blowby" introduced in the v2 firmware of the Orion. Hopefully, Ten-Tec can fix the problem on the Orion 1 firmware (don't know if the problem exists on the Orion II).

I waited until now to make these recordings because there's lately some hopeful signs of firmware development (PLEASE don't forget us Orion I users).

In these recordings, I slowly tune +/-10Khz across an s9 carrier. BW is 500hz. There is clearly all kinds of blowby well above 500hz being passed by the v2 subrx dsp filtering. Please ignore all the other spurious clicks and tones and tx phase noise.

http://n1eu.com/orion/1_373b5.mp3
http://n1eu.com/orion/2_062a.mp3

This is the problem that makes it impossible for me to use the v2 Orion in diversity mode on the lowbands where there are plenty of strong local signals present. The v1 Orion subrx doesn't have the problem. This was one step backwards taken with v2 firmware that hopefully will get corrected.

73,
Barry N1EU

6038. Orion 565 suddenly switching off

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-02 22:10:18 UTC
From: Martin
Topic: 6037 Message: 6038

Hi all,

my Orion 565 suddenly switching off and back on. The power relay clicks like a sewing machine. I would appreciate any ideas what/where should I track down this problem.

73
Martin, OK1RR

6039. Re: [orion565] Orion 565 suddenly switching off

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-02 22:36:10 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6037 Message: 6039

Sounds like what my ORION II did a while ago. Traced it down to the A9 "POWDST" board (power / distribution). Replaced it and all is ok now. You might want to check the power supply first to make sure it has enough current to handle the radio. Also, look at the in-line fuse holder. For such expensive radios the fuse holder is cheap.

HTH - 73,
Sam
K3SAM

From: Martin <martin@ok1rr.com>
To: orion565@yahoogroups.com
Sent: Sun, May 2, 2010 6:10:18 PM
Subject: [orion565] Orion 565 suddenly switching off

Hi all,

my Orion 565 suddenly switching off and back on. The power relay clicks
like a sewing machine. I would appreciate any ideas what/where should I
track down this problem.

73
Martin, OK1RR

[Non-text portions of this message have been removed]

6040. Re:Orion 565 suddenly switching off

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-03 14:05:21 UTC
From: Gene Sochor
Topic: 6037 Message: 6040

Martin, also unplug the power connector and closely inspect it. I was having similar problems which I thought were RF related, and it turned out that one of the female pins in the power plug coming from the power supply had not been gripping the male pin in the socket tightly enough, and some arcing occurred, which eventually carbonized the connection on the positive side. I replaced the connector and pins and everything is back to normal.

73, Gene N9SW

6041. Re: Orion 565 suddenly switching off

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-03 14:13:39 UTC
From: ve7tk
Topic: 6037 Message: 6041

I'd suggest you look at the Power Distribution Board as previously mentioned. Ron N6IE has a write-up on the problem and repair.

http://www.n6ie.com/A9_Fix.html

It's an easy repair just be sure to get good low ESR capacitors..

Good luck.

73,
Rick
VE7TK

--- In orion565@yahoogroups.com, Martin <martin@...> wrote:
>
> Hi all,
>
> my Orion 565 suddenly switching off and back on. The power relay clicks
> like a sewing machine. I would appreciate any ideas what/where should I
> track down this problem.
>
> 73
> Martin, OK1RR
>

6042. RE: [orion565] Orion 565 suddenly switching off

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-03 23:38:30 UTC
From: John Hudson
Topic: 6037 Message: 6042

Martin mine did the same thing and as Gene commented, mine was in the Molex connector. The female pins opened and arched each time I transmitted. THEN the on-board power connector was loose and I just replaced it with a hardwire power cord, works fine now

Good luck

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Martin
Sent: Sunday, May 02, 2010 5:10 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion 565 suddenly switching off

Hi all,

my Orion 565 suddenly switching off and back on. The power relay clicks
like a sewing machine. I would appreciate any ideas what/where should I
track down this problem.

73
Martin, OK1RR

[Non-text portions of this message have been removed]

6043. Re: [orion565] Re: Orion 565 suddenly switching off

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-04 02:47:28 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6037 Message: 6043

I looked at Ron's write-up, and although just replacing the caps with those he mentions might do the trick, it did not in my case. I suspect one of the IC's went bad along with the caps. Either way, mine was under warranty and Ten*Tec replaced the board overhight FedEx Red at their expense.

From: ve7tk <ve7tk@...>
To: orion565@yahoogroups.com
Sent: Mon, May 3, 2010 10:13:39 AM
Subject: [orion565] Re: Orion 565 suddenly switching off

I'd suggest you look at the Power Distribution Board as previously mentioned. Ron N6IE has a write-up on the problem and repair.

http://www.n6ie. com/A9_Fix. html

It's an easy repair just be sure to get good low ESR capacitors..

Good luck.

73,
Rick
VE7TK

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> Hi all,
>
> my Orion 565 suddenly switching off and back on. The power relay clicks
> like a sewing machine. I would appreciate any ideas what/where should I
> track down this problem.
>
> 73
> Martin, OK1RR
>

[Non-text portions of this message have been removed]

6044. FS: 708A Desk Mic

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-05 14:23:10 UTC
From: n5na
Topic: 6044 Message: 6044

I have a Ten-Tec 708A desk mic for sale. It works great and is in like new condition. It has an 8 pin connector and can be used with a Ten-Tec Omni VII as well as an Orion II.

$75 shipped in the CONUS. PayPal or USPS Money Order accepted. Contact me at n5na@... .

Thanks & 73,

Alan N5NA

6045. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-05 19:52:48 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 6045

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap AGC program/orion_agc_macro_v2025.zip
Uploaded by : pa1ap <pa1ap@...>
Description : Orion AGC macro V 2025: some bugs being fixed. Plus new functionality. Auto sense and adjust function. Click on S Meter button and you will get a new window which will allow you to sample the receiver and adjust the threshold / rf gain afterwards. By default this happens within one (1) second and it takes 20 samples. Choice to use peak, average, minimum and so far it works ok. I will pick up other features as requested (such as decay and hang time later). Enjoy and best regards, Onno pa1ap

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_macro_v2025.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

6046. Re: Orion RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-08 01:41:18 UTC
From: k7na6
Topic: 5935 Message: 6046

I thought I would offer some advice regarding the intermittent RIT/XIT issue on my Orion 1. I started experiencing the problem within a year after I had Tentec make the V2 mod for me at the factory. After three years of living with the issue, pressing the front panel near the "Sweep" button for a temporary reprieve, I contacted Tony at the factory. When my unit acted up, I contacted Tony on the phone and he had me try various things such as a master reset, pressing the front panel, etc.
He had me pack up the unit and send it back. Naturally, as luck would have it, the jossling in transit temporarily solved the problem and Tentec was never able to actually see the problem first hand.
Nonetheless, Tony went ahead and made a repair. Quoting from the repair bill, he "replaced all connectors for RIT/XIT circuit on encoder, keypad, and logic boards, 1-#35270, 1-35347, 1-#35348, 1-#35343 and applied Deoxit and Preservit to pins." Additionally, he updated the power distribution board, checked alignment and operation. After the unit underwent a 24-hour burn-in and checked okay, it was sent back to me.
I have used the unit now for about a month and I have not had any problem with the RIR/XIT since. It works flawlessly. Tony called me the other day to check up on how my Orion was performing. He was interested to know if changing out the connectors solved the problem. It appears to have turned the trick! The cost was nominal and well worth it. The service from Tentec was, of course, what we all have come to expect from such a company.
If you continue to experience the RIT issue, you may want to change out the connectors yourself or work with the factory to do the service.

Vince K7NA

--- In orion565@yahoogroups.com, "John K Gotwals" <john@...> wrote:
>
> w2wg writes:
> [snip]
> I had been under the impression that this was a 5% problem when the
> reflector was hot with it years back, but after experiencing it with two 565's
> I suspect that may not be the situation as units age.
> ==== End quotation ===
>
> I think it's a 5% problem all right, but the 5% refers to the percentage of
> 565 owners who have NOT had the problem.
>
> John, N9JG
>

6047. Re: [orion565] Re: Orion RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-08 03:51:10 UTC
From: jd_hudson@comcast.net
Topic: 5935 Message: 6047

I also had the RIT issue and last year while I had my O1 opened up I decided to go ahead and "reseat" all the connectors and jumpers. Apparently it worked. No RIT problems since then

Good luck

John
KO4XJ
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: "k7na6" <k7na6@...>
Date: Sat, 08 May 2010 01:41:18
To: <orion565@yahoogroups.com>
Subject: [orion565] Re: Orion RIT encoder

I thought I would offer some advice regarding the intermittent RIT/XIT issue on my Orion 1. I started experiencing the problem within a year after I had Tentec make the V2 mod for me at the factory. After three years of living with the issue, pressing the front panel near the "Sweep" button for a temporary reprieve, I contacted Tony at the factory. When my unit acted up, I contacted Tony on the phone and he had me try various things such as a master reset, pressing the front panel, etc.
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Vince K7NA

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> I suspect that may not be the situation as units age.
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> I think it's a 5% problem all right, but the 5% refers to the percentage of
> 565 owners who have NOT had the problem.
>
> John, N9JG
>

[Non-text portions of this message have been removed]

6048. Compare Orion 565 to Jupiter original and Elecraft K3

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-10 14:28:25 UTC
From: Mike
Topic: 6048 Message: 6048

I would like to receive comments about the Orion 565 and it's performance compared with the Jupiter 538 and the Elecraft K3 as well as the OMNI VII.

I have the Jupiter now and am looking to upgrade.

My interests include digital modes PSK31 etc, SSB, SSB Casual contesting, SSB DX, and SSB Ragchewing with a little CW mixed in.

Thanks in advance for your thoughts and consideration.

73,

Mike NT5DX

6049. Re: [orion565] Compare Orion 565 to Jupiter original and Elecraft K3

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-10 18:22:01 UTC
From: Barry N1EU
Topic: 6048 Message: 6049

Orion and K3 comparisons:
http://www.zerobeat.net/mediawiki/index.php/K3_versus_Ten-Tec_Orion

For your stated interests, a used Orion I would be a good choice.

73,
Barry N1EU

On Mon, May 10, 2010 at 2:28 PM, Mike <mtcart50@...> wrote:

>
>
> I would like to receive comments about the Orion 565 and it's performance
> compared with the Jupiter 538 and the Elecraft K3 as well as the OMNI VII.
>
> I have the Jupiter now and am looking to upgrade.
>
> My interests include digital modes PSK31 etc, SSB, SSB Casual contesting,
> SSB DX, and SSB Ragchewing with a little CW mixed in.
>
> Thanks in advance for your thoughts and consideration.
>
> 73,
>
> Mike NT5DX
>
>
>

[Non-text portions of this message have been removed]

6050. Handmike wiring info for Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-12 15:40:58 UTC
From: vinster1k
Topic: 6050 Message: 6050

Hello all,

I just purchased and received a used Orion II. I got a Ten Tec hand mike that I assume came with the radio, however it is not working. I don't believe it is wired properly.

I was hoping someone could give send/tell me what the wiring should be for the stock hand mic. I think maybe someone has been in this one. Pictures would be great too.

Thanks.

6051. Re: [orion565] Handmike wiring info for Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-12 17:33:06 UTC
From: Pumbaa
Topic: 6050 Message: 6051

I purchased my new Orion 2 from Ten Tec. No hand mike comes with the radio. You can DL the Orion II manual free from the Ten Tec website. About on page 8 of the PDF file is a wiring diagram for the mike.

Tom AG8K

----- Original Message -----
From: vinster1k
To: orion565@yahoogroups.com
Sent: Wednesday, May 12, 2010 10:40 AM
Subject: [orion565] Handmike wiring info for Orion II

Hello all,

I just purchased and received a used Orion II. I got a Ten Tec hand mike that I assume came with the radio, however it is not working. I don't believe it is wired properly.

I was hoping someone could give send/tell me what the wiring should be for the stock hand mic. I think maybe someone has been in this one. Pictures would be great too.

Thanks.

[Non-text portions of this message have been removed]

6052. Re: Handmike wiring info for Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-12 18:24:56 UTC
From: vinster1k
Topic: 6050 Message: 6052

Hand mic doesn't come with one new? Wow, that's strange all by itself. Well this is a TenTec hand mic at least. I checked the manual on how a mic "should" be wired, but of course it doesn't have anything on the hand mic itself and what is what. I opened the mic up and was totally confused by the wiring inside to the push button. I tried a few combinations without any luck.

If anyone has a factory hand mic wired for a Orion II, I sure would appreciate a wiring diagram. Thanks.

--- In orion565@yahoogroups.com, "Pumbaa" <pinkertontommrs@...> wrote:
>
> I purchased my new Orion 2 from Ten Tec. No hand mike comes with the radio. You can DL the Orion II manual free from the Ten Tec website. About on page 8 of the PDF file is a wiring diagram for the mike.
>
> Tom AG8K
>
>
> ----- Original Message -----
> From: vinster1k
> To: orion565@yahoogroups.com
> Sent: Wednesday, May 12, 2010 10:40 AM
> Subject: [orion565] Handmike wiring info for Orion II
>
>
>
> Hello all,
>
> I just purchased and received a used Orion II. I got a Ten Tec hand mike that I assume came with the radio, however it is not working. I don't believe it is wired properly.
>
> I was hoping someone could give send/tell me what the wiring should be for the stock hand mic. I think maybe someone has been in this one. Pictures would be great too.
>
> Thanks.
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

6053. Re: [orion565] Re: Handmike wiring info for Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-12 19:58:42 UTC
From: Alan Sewell N5NA
Topic: 6050 Message: 6053

I'm sure if you give Ten-Tec a call they can give you all the
information you need about the mic.

Alan N5NA

vinster1k wrote:
> Hand mic doesn't come with one new? Wow, that's strange all by itself. Well this is a TenTec hand mic at least. I checked the manual on how a mic "should" be wired, but of course it doesn't have anything on the hand mic itself and what is what. I opened the mic up and was totally confused by the wiring inside to the push button. I tried a few combinations without any luck.
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>>
>> Tom AG8K
>>
>>
>> ----- Original Message -----
>> From: vinster1k
>> To: orion565@yahoogroups.com
>> Sent: Wednesday, May 12, 2010 10:40 AM
>> Subject: [orion565] Handmike wiring info for Orion II
>>
>>
>>
>> Hello all,
>>
>> I just purchased and received a used Orion II. I got a Ten Tec hand mike that I assume came with the radio, however it is not working. I don't believe it is wired properly.
>>
>> I was hoping someone could give send/tell me what the wiring should be for the stock hand mic. I think maybe someone has been in this one. Pictures would be great too.
>>
>> Thanks.
>>
>>
>>
>>

>>
>> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

6054. Omni-VI Opt 3 problem... have you experienced this?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-13 16:44:13 UTC
From: jeraldvolpe
Topic: 6054 Message: 6054

This morning when I turned my Omni-VI, opt 3 on it came up in CW, key down transmitting. Cycled off and on and the repeat malfunction. Isolated all connections and problem continued.

Performed basic RESET and transceiver went to 14.000, USB, clock reset to 12:00. But no apparent audio output. From meter indication I could see that the receiver was working. Inserted headphones and with volume advanced full I could must barely perceive stations. BUT none of the keypad buttons function.

Performed Master RESET and the malfunction remains the same.

Note: If holding down any keypad key during start up you hear full audio output until you let go that button... then clock begins and audio becomes muted and no keypad buttons function. Although with headphones on you can hear a stream of fast pulses when any key is depressed.

VFO functions fine but of course you can't change bands, modes, etc.

Removed the cover and did a slight manipulation of all connections on the Logic board.

There is a start up initialization sequence. Unless I miss my guess the malfunction is causing this sequence to not go beyond displaying the and running the clock.

This is as far as I've gone at present.

Most certainly the problem is on the Logic Board due to the issues presented. Beyond that, and before I tear into it.... have you experienced this error? If so what was the eventual fix?

73,

Jerry, KG6TT

6055. Re: [orion565] Omni-VI Opt 3 problem... have you experienced this?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-13 16:51:29 UTC
From: Barry N1EU
Topic: 6054 Message: 6055

You might want to also try the general Ten-Tec reflector Jerry.

73,
Barry N1EU

On Thu, May 13, 2010 at 4:44 PM, jeraldvolpe <inbound@...> wrote:

>
>
> This morning when I turned my Omni-VI, opt 3 on it came up in CW, key down
> transmitting. Cycled off and on and the repeat malfunction. Isolated all
> connections and problem continued.
>
> Performed basic RESET and transceiver went to 14.000, USB, clock reset to
> 12:00. But no apparent audio output. From meter indication I could see that
> the receiver was working. Inserted headphones and with volume advanced full
> I could must barely perceive stations. BUT none of the keypad buttons
> function.
>
> Performed Master RESET and the malfunction remains the same.
>
> Note: If holding down any keypad key during start up you hear full audio
> output until you let go that button... then clock begins and audio becomes
> muted and no keypad buttons function. Although with headphones on you can
> hear a stream of fast pulses when any key is depressed.
>
> VFO functions fine but of course you can't change bands, modes, etc.
>
> Removed the cover and did a slight manipulation of all connections on the
> Logic board.
>
> There is a start up initialization sequence. Unless I miss my guess the
> malfunction is causing this sequence to not go beyond displaying the and
> running the clock.
>
> This is as far as I've gone at present.
>
> Most certainly the problem is on the Logic Board due to the issues
> presented. Beyond that, and before I tear into it.... have you experienced
> this error? If so what was the eventual fix?
>
> 73,
>
> Jerry, KG6TT
>
>

>

[Non-text portions of this message have been removed]

6056. Re: Handmike wiring info for Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-13 16:55:44 UTC
From: k2jsr
Topic: 6050 Message: 6056

Have you checked for a switch on that mic? Some Ten Tec mics have them built into the handle.

73,
N4DK

6057. RE: [orion565] Omni-VI Opt 3 problem... have you experienced this?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-13 19:03:25 UTC
From: Tony Lelieveld
Topic: 6054 Message: 6057

Barry,

Would you perhaps have a link to the "General Ten-Tec Reflector"?

Thanks, Tony VE3DWI.

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: May 13, 2010 12:51
To: orion565@yahoogroups.com
Subject: Re: [orion565] Omni-VI Opt 3 problem... have you experienced this?

You might want to also try the general Ten-Tec reflector Jerry.

73,
Barry N1EU

[Non-text portions of this message have been removed]

6058. RE: [orion565] Omni-VI Opt 3 problem... have you experienced this?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-13 20:00:21 UTC
From: Stephen Cannon
Topic: 6054 Message: 6058

Jerry,
This sounds very familiar, (someone else had this problem and it was discussed/answered in one of the forums) but I do not recall the answer, (it was something simple). As I recall the trouble shooting went something like: disconnect all cables except power and antenna, Turn on radio and see if problem disappears. If problem disappears turn off radio, attach one more cable, turn on radio and check if problem reappears. Repeat as necessary. Leave computer connection for last and interface such as Navigator to second to last.

Stephen AD7TD

From: jeraldvolpe

This morning when I turned my Omni-VI, opt 3 on it came up in CW, key down transmitting. Cycled off and on and the repeat malfunction. Isolated all connections and problem continued.

Performed basic RESET and transceiver went to 14.000, USB, clock reset to 12:00. But no apparent audio output. From meter indication I could see that the receiver was working. Inserted headphones and with volume advanced full I could must barely perceive stations. BUT none of the keypad buttons function.

Performed Master RESET and the malfunction remains the same.

Note: If holding down any keypad key during start up you hear full audio output until you let go that button... then clock begins and audio becomes muted and no keypad buttons function. Although with headphones on you can hear a stream of fast pulses when any key is depressed.

VFO functions fine but of course you can't change bands, modes, etc.

Removed the cover and did a slight manipulation of all connections on the Logic board.

There is a start up initialization sequence. Unless I miss my guess the malfunction is causing this sequence to not go beyond displaying the and running the clock.

This is as far as I've gone at present.

Most certainly the problem is on the Logic Board due to the issues presented. Beyond that, and before I tear into it.... have you experienced this error? If so what was the eventual fix?

73,

Jerry, KG6TT

[Non-text portions of this message have been removed]

6059. Re: [orion565] Omni-VI Opt 3 problem... have you experienced this?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-13 20:34:13 UTC
From: Barry N1EU
Topic: 6054 Message: 6059

http://lists.contesting.com/mailman/listinfo/TenTec

On Thu, May 13, 2010 at 7:03 PM, Tony Lelieveld <ve3dwi@...> wrote:

>
>
> Barry,
>
> Would you perhaps have a link to the "General Ten-Tec Reflector"?
>
>

[Non-text portions of this message have been removed]

6060. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-13 21:28:43 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 6060

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap AGC program/orion_agc_macro_v2032.zip
Uploaded by : pa1ap <pa1ap@...>
Description : AGC macro 2032: S meter based auto sense function finished. Also includes minimized and normal window size. Also all values through agc_profile_4.txt file available. You can have the program start with different values for S meter window. Peak is for local QSO's, minimum (noise) for small signal and average for in between. Enjoy playing with it and let me know how it goes. Tnx and 73, pa1ap

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_macro_v2032.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

6061. Re: Handmike wiring info for Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-23 04:49:03 UTC
From: vinster1k
Topic: 6050 Message: 6061

This is a small Ten Tec hand mic. I can't tell what model it is. So far no one has responded with the any useful info.

--- In orion565@yahoogroups.com, "k2jsr" <n4dk@...> wrote:
>
>
>
> Have you checked for a switch on that mic? Some Ten Tec mics have them built into the handle.
>
> 73,
> N4DK
>

6062. Orion 1 sub receiver fairly deaf ?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-23 10:03:31 UTC
From: gi0uvd
Topic: 6062 Message: 6062

Hi All, my orion 1 seems to be a little deaf on the sub receiver,it needs a fairly big signal to hear anything. Has anyone ever come across this problem. Many thanks de John, GI0UVD.

6063. Re: [orion565] Orion 1 sub receiver fairly deaf ?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-23 12:57:15 UTC
From: Martin Ewing
Topic: 6062 Message: 6063

John,

You might want to check your subRx AGC settings (and RF gain, of course).
That's one way to deafen your receiver.

73 Martin AA6E

On Sun, May 23, 2010 at 6:03 AM, gi0uvd <johngi0uvd@...> wrote:

> Hi All, my orion 1 seems to be a little deaf on the sub receiver,it needs a
> fairly big signal to hear anything. Has anyone ever come across this
> problem. Many thanks de John, GI0UVD.
>
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> Yahoo! Groups Links
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--
Dr. Martin S. Ewing, AA6E
Member IEEE, URSI, AAS, ARRL
Branford, Connecticut

[Non-text portions of this message have been removed]

6064. Re: [orion565] Orion 1 sub receiver fairly deaf ?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-23 19:08:31 UTC
From: James Streible
Topic: 6062 Message: 6064

John,

A few things I have found that can cause this are:

AGC setting on "Program" with the threshold set too high.
Any of the AGC settings with high threshold or low RF gain.
Sub receiver set to wrong Ant.
Pass Band tuning or bandwidth set too narrow on Sub receiver.

I have been caught several times thinking there was something
wrong with the receiver only to find it was a simple push of the wrong
switch.

Hope you have something this simple.

73,

Jim K4DLI

gi0uvd wrote:
>
> Hi All, my orion 1 seems to be a little deaf on the sub receiver,it
> needs a fairly big signal to hear anything. Has anyone ever come
> across this problem. Many thanks de John, GI0UVD.
>
>

[Non-text portions of this message have been removed]

6065. RE: [orion565] Orion 1 sub receiver fairly deaf ?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-23 19:31:54 UTC
From: John T. Fleming
Topic: 6062 Message: 6065

John,

Another thought might be oxidized connectors. I bought Deoxit cleaner and protector because I have been having problems with my Orion RIT. I traced it to the connector between the CPU board and the PC board mounted on the back of the front of the Orion. Go to the Ten-Tec web site and download the mod instruction for the V2 software if you don't already have it. In the pictures, you will see the connector I am referring to.

Just 2 days ago, I tried using my VFO-B knob and nothing happened. I knew from experience that if I press between the LCD display and the buttons on the right side of the display, it will exercise the connections. As soon as I did that, everything is back to normal. Give this a try and see if that might be the problem before a more radical approach. If it cures the problem, you know that you need to treat the connector. The female part of the connector is mounted right behind the buttons and warping the case seems to make them work again.

73,
John

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of James Streible
Sent: Sunday, May 23, 2010 3:09 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion 1 sub receiver fairly deaf ?

John,

A few things I have found that can cause this are:

AGC setting on "Program" with the threshold set too high.
Any of the AGC settings with high threshold or low RF gain.
Sub receiver set to wrong Ant.
Pass Band tuning or bandwidth set too narrow on Sub receiver.

I have been caught several times thinking there was something wrong with the receiver only to find it was a simple push of the wrong switch.

Hope you have something this simple.

73,

Jim K4DLI

gi0uvd wrote:
>
> Hi All, my orion 1 seems to be a little deaf on the sub receiver,it
> needs a fairly big signal to hear anything. Has anyone ever come
> across this problem. Many thanks de John, GI0UVD.

6066. orion 1 screen

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-01 00:30:48 UTC
From: Marty
Topic: 6066 Message: 6066

Has anyone had a black bloch come on there screen.
Has anyone had there screen replaced with the new aftermarket screen from TEN TEC.

Thanks
Don N4DMW

6067. RE: [orion565] orion 1 screen

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-01 00:55:37 UTC
From: John T. Fleming
Topic: 6066 Message: 6067

Don,

I had my screen replaced because I had a line across the screen. What is the new after market screen? That is new to me, but that is not unusual.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Marty
Sent: Monday, May 31, 2010 8:31 PM
To: orion565@yahoogroups.com
Subject: [orion565] orion 1 screen

Has anyone had a black bloch come on there screen.
Has anyone had there screen replaced with the new aftermarket screen from TEN TEC.

Thanks
Don N4DMW

[Non-text portions of this message have been removed]

6068. orion 1 screen

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-01 00:58:55 UTC
From: Dean Cobussen
Topic: 6066 Message: 6068

Yes i have had this problem. My bloch turned up after shipping. I can only think that the LCD was punctured somehow. I thought it may have been moisture but it never went away after leaving it on for almost 1 year. Coincidentally i have replaced mine just last week with a new after market Blue LCD. This looks amazing and makes a massive difference to the look of the radio. I do not know anyone that has done this yet.

I am working through a minor contrast issue at the moment. When its cold it takes a few minutes to come around, but when it does, its pretty nice. I am using the last release software and i know some older versions had contrast issues. Onno Pa1ap talked about a capacitor mod to improve this cold start problem with the original LCD so i am yet to work on this. However, i am pleased with the results having looked at the bloch for almost for 2 years.

As a simple upgrade, this LCD would be a great addition in my mind as it was not costly and pretty easy to change out. I would be willing to post my findings when i have finished if anyone is interested with some pictures.

regards,

Dean
ZL1COB

6069. RE: [orion565] orion 1 screen

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-01 01:01:47 UTC
From: Robert Carroll
Topic: 6066 Message: 6069

Years ago I had to have my display changed as it had started to los contrast and blotch. I think it was replaced with an original part. I had not heard about an aftermarket screen. What do you know about them?

73

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Marty
Sent: Monday, May 31, 2010 8:31 PM
To: orion565@yahoogroups.com
Subject: [orion565] orion 1 screen

Has anyone had a black bloch come on there screen.
Has anyone had there screen replaced with the new aftermarket screen from TEN TEC.

Thanks
Don N4DMW

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.819 / Virus Database: 271.1.1/2907 - Release Date: 05/30/10 14:25:00

[Non-text portions of this message have been removed]

6070. Re: [orion565] orion 1 screen

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-01 01:56:33 UTC
From: Jim Koshmider
Topic: 6066 Message: 6070

Hi, Dean -

Yes, I would be interested in your results. Also, I would like a "ball-park" figure on what the blue screen cost to replace. I have not had a problem with my original screen, but it is pretty dull or boring to look at. I suspect the blue screen would give the radio some "personality".

Thanks for any help or advice on this excellent radio.

73,

Jim, K8OZ

--- On Mon, 5/31/10, Dean Cobussen <dean@...> wrote:

From: Dean Cobussen <dean@...>
Subject: [orion565] orion 1 screen
To: orion565@yahoogroups.com
Date: Monday, May 31, 2010, 8:58 PM

Yes i have had this problem. My bloch turned up after shipping. I can only think that the LCD was punctured somehow. I thought it may have been moisture but it never went away after leaving it on for almost 1 year. Coincidentally i have replaced mine just last week with a new after market Blue LCD. This looks amazing and makes a massive difference to the look of the radio. I do not know anyone that has done this yet.

I am working through a minor contrast issue at the moment. When its cold it takes a few minutes to come around, but when it does, its pretty nice. I am using the last release software and i know some older versions had contrast issues. Onno Pa1ap talked about a capacitor mod to improve this cold start problem with the original LCD so i am yet to work on this. However, i am pleased with the results having looked at the bloch for almost for 2 years.

As a simple upgrade, this LCD would be a great addition in my mind as it was not costly and pretty easy to change out. I would be willing to post my findings when i have finished if anyone is interested with some pictures.

regards,

Dean
ZL1COB

[Non-text portions of this message have been removed]

6071. Re: [orion565] orion 1 screen

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-01 04:10:55 UTC
From: Dean Cobussen
Topic: 6066 Message: 6071

Hi Jim, well i can tell you its exactly USD $150 plus shipping.

Yes the original screen is very boring and this new blue LCD is a glamour addition. I like the white text on blue, its impressive contrast and lovely to look at. Although the blue text on white is also much better than the original. When i sort the slow warm up, i will post the solution.

regards,

Dean
ZL1COB

6072. Re: [orion565] orion 1 screen

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-01 04:24:39 UTC
From: Jim Koshmider
Topic: 6066 Message: 6072

Very well, Dean -

Thanks for the information. I will watch for your update(s).

73,

Jim, K8OZ

--- On Tue, 6/1/10, Dean Cobussen <dean@...> wrote:

From: Dean Cobussen <dean@...>
Subject: Re: [orion565] orion 1 screen
To: orion565@yahoogroups.com
Date: Tuesday, June 1, 2010, 12:10 AM

Hi Jim, well i can tell you its exactly USD $150 plus shipping.

Yes the original screen is very boring and this new blue LCD is a
glamour addition. I like the white text on blue, its impressive
contrast and lovely to look at. Although the blue text on white is
also much better than the original. When i sort the slow warm up, i
will post the solution.

regards,

Dean
ZL1COB

[Non-text portions of this message have been removed]

6073. Re: orion 1 screen

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-02 11:01:33 UTC
From: bernie_k1sa
Topic: 6066 Message: 6073

Try raising the contrast number slightly in the menu to see if that helps. As you lower the contrast number, sometimes there can be irregulaities in the display that will appear.

Bernie K1SA

--- In orion565@yahoogroups.com, "Marty" <n4dmw@...> wrote:
>
> Has anyone had a black bloch come on there screen.
> Has anyone had there screen replaced with the new aftermarket screen from TEN TEC.
>
>
> Thanks
> Don N4DMW
>

6074. What's Next?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-03 14:52:24 UTC
From: John
Topic: 6074 Message: 6074

We will begin reviewing the current status of the Original Orion V1 and V2 firmware. Assessing open problems, customer requests, etc., and developing a plan of attack. The goal is to resolve open issues and to bring into the Orion firmware the enhancements and reliability that we brought into the Orion 2 V2.043B firmware.

I do have a few beta testers lined up, and am always willing to take in a few more. If you are interested, then send me an email at jhenry at tentec.com. Whereas I would like to include everyone that asks, it is cumbersome to handle a group larger than a handful.

If there are problems that you are aware of in the latest V1 and/or V2 codes for the Original Orion, please send them to me as well. Not every problem will get resolved, but they will at least be reviewed.

Note: I do not read this reflector daily, so if you need to get something to my attention, then please send it to my email address listed above.

Thanks,
John Henry
TenTec Engineering

6075. Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-03 20:08:51 UTC
From: bernie_k1sa
Topic: 6075 Message: 6075

I assume everyone is aware that there is a new firmware out for the OII....DSP seems to behave a little differently, red display seems gone, cw sidetone a little low, but so far so good. It looks like another nice version to add to the mix.
Bernie K1SA

6076. Re: [orion566] Beta Testor

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-03 20:53:05 UTC
From: K Van Horn
Topic: 6074 Message: 6076

Hi John,

I would like to be added to your list of Beta Testors for the Orion 2.

Thanks,

Kirby, K7EC
k7ec@...

From: John
Sent: Thursday, June 03, 2010 8:52 AM
To: orion565@yahoogroups.com
Subject: [orion565] What's Next?

We will begin reviewing the current status of the Original Orion V1 and V2 firmware. Assessing open problems, customer requests, etc., and developing a plan of attack. The goal is to resolve open issues and to bring into the Orion firmware the enhancements and reliability that we brought into the Orion 2 V2.043B firmware.

I do have a few beta testers lined up, and am always willing to take in a few more. If you are interested, then send me an email at jhenry at tentec.com. Whereas I would like to include everyone that asks, it is cumbersome to handle a group larger than a handful.

If there are problems that you are aware of in the latest V1 and/or V2 codes for the Original Orion, please send them to me as well. Not every problem will get resolved, but they will at least be reviewed.

Note: I do not read this reflector daily, so if you need to get something to my attention, then please send it to my email address listed above.

Thanks,
John Henry
TenTec Engineering

[Non-text portions of this message have been removed]

6077. Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-03 23:58:19 UTC
From: Dennis
Topic: 6075 Message: 6077

The new version seems much noisier and the NR distorts the receive audio. I will give it a little more time but it looks like I will be going back to the earlier version if I can't figure out a way to make listening a little less annoying! Thanks John for the continuing effort!!

73, Dennis W5UV

--- In orion565@yahoogroups.com, "bernie_k1sa" <berniecohen@...> wrote:
>
> I assume everyone is aware that there is a new firmware out for the OII....DSP seems to behave a little differently, red display seems gone, cw sidetone a little low, but so far so good. It looks like another nice version to add to the mix.
> Bernie K1SA
>

6078. RE: [orion565] Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-04 01:19:22 UTC
From: Stephen Werner
Topic: 6075 Message: 6078

I do not get the waterfall or spectrum scope to come up on the new version. Anyone else having that problem?

Steve AG4W

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Dennis
Sent: Thursday, June 03, 2010 11:58 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Firmware Version 2.043B

The new version seems much noisier and the NR distorts the receive audio. I will give it a little more time but it looks like I will be going back to the earlier version if I can't figure out a way to make listening a little less annoying! Thanks John for the continuing effort!!

73, Dennis W5UV

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "bernie_k1sa" <berniecohen@...> wrote:
>
> I assume everyone is aware that there is a new firmware out for the OII....DSP seems to behave a little differently, red display seems gone, cw sidetone a little low, but so far so good. It looks like another nice version to add to the mix.
> Bernie K1SA
>

[Non-text portions of this message have been removed]

6079. Re: [orion565] Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-04 01:27:04 UTC
From: Troy W6HV
Topic: 6075 Message: 6079

I could not find the waterfall. So, I assume it was dropped. Make sure the
Sweep is on.
Troy, W6HV

From: "Stephen Werner" <stevewr@...>
Sent: Thursday, June 03, 2010 6:19 PM
To: <orion565@yahoogroups.com>
Subject: RE: [orion565] Re: Firmware Version 2.043B

> I do not get the waterfall or spectrum scope to come up on the new
> version.
> Anyone else having that problem?
>
>
>
> Steve AG4W
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Dennis
> Sent: Thursday, June 03, 2010 11:58 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Firmware Version 2.043B
>
>
>
>
>
> The new version seems much noisier and the NR distorts the receive audio.
> I
> will give it a little more time but it looks like I will be going back to
> the earlier version if I can't figure out a way to make listening a little
> less annoying! Thanks John for the continuing effort!!
>
> 73, Dennis W5UV
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
> "bernie_k1sa" <berniecohen@...> wrote:
>>
>> I assume everyone is aware that there is a new firmware out for the
> OII....DSP seems to behave a little differently, red display seems gone,
> cw
> sidetone a little low, but so far so good. It looks like another nice

> version to add to the mix.
>> Bernie K1SA
>>
>
>
>
>
>
> [Non-text portions of this message have been removed]
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>
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6080. RE: [orion565] Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-04 01:27:15 UTC
From: Stephen Werner
Topic: 6075 Message: 6080

Got sweep working. Every setting needs to be reentered because of the master reset this time.

Steve AG4W

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Stephen Werner
Sent: Friday, June 04, 2010 1:19 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: Firmware Version 2.043B

I do not get the waterfall or spectrum scope to come up on the new version. Anyone else having that problem?

Steve AG4W

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
Of Dennis
Sent: Thursday, June 03, 2010 11:58 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] Re: Firmware Version 2.043B

The new version seems much noisier and the NR distorts the receive audio. I will give it a little more time but it looks like I will be going back to the earlier version if I can't figure out a way to make listening a little less annoying! Thanks John for the continuing effort!!

73, Dennis W5UV

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com> ,
"bernie_k1sa" <berniecohen@...> wrote:
>
> I assume everyone is aware that there is a new firmware out for the OII....DSP seems to behave a little differently, red display seems gone, cw sidetone a little low, but so far so good. It looks like another nice version to add to the mix.
> Bernie K1SA
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6081. RE: [orion565] Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-04 01:44:35 UTC
From: Stephen Werner
Topic: 6075 Message: 6081

It looks like they took out the new features of 2.041xt. Waterfall and AF AGC. Glad to see the spectrum scope markers are back. No more red screen issues so far.

Steve AG4W

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Troy W6HV
Sent: Friday, June 04, 2010 1:27 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Firmware Version 2.043B

I could not find the waterfall. So, I assume it was dropped. Make sure the Sweep is on.
Troy, W6HV

From: "Stephen Werner" <stevewr@... <mailto:stevewr%40hughes.net> >
Sent: Thursday, June 03, 2010 6:19 PM
To: <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> >
Subject: RE: [orion565] Re: Firmware Version 2.043B

> I do not get the waterfall or spectrum scope to come up on the new
> version.
> Anyone else having that problem?
>
>
>
> Steve AG4W
>
>
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
> Of Dennis
> Sent: Thursday, June 03, 2010 11:58 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] Re: Firmware Version 2.043B
>
>
>
>
>
> The new version seems much noisier and the NR distorts the receive audio.
> I

> will give it a little more time but it looks like I will be going back to
> the earlier version if I can't figure out a way to make listening a little
> less annoying! Thanks John for the continuing effort!!
>
> 73, Dennis W5UV
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com> ,
> "bernie_k1sa" <berniecohen@...> wrote:
>>
>> I assume everyone is aware that there is a new firmware out for the
> OII....DSP seems to behave a little differently, red display seems gone,
> cw
> sidetone a little low, but so far so good. It looks like another nice
> version to add to the mix.
>> Bernie K1SA
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

6082. Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-04 10:47:37 UTC
From: John
Topic: 6075 Message: 6082

Hello Bernie, and everyone else,

The main goal of creating this new release was to resolve the receiver lockups, bring some consistency in how it worked, and improve upon the base. We felt that starting from the 2.039D release was the best way to go. All of the new features built into 2.041 and beyond were really too many changes at once, and hence caused so many problems. That is one reason they were betas though. So that everyone would know that they were a work in progress. We will add the waterfall display back at some point in time, and we will also increase the height of the Sweep because those two features add a lot to different people.

NR has a new algorithm and as I stated in an earlier post, it may seem raspy or noisy in certain band conditions/noise/recovered audio strength situations. However I haven't found a noisy condition that it couldn't handle properly at higher levels. Most situations will call for an NR level of 4 or higher, and very few will call for an NR level of 3 or less, but they do exist.

I do hope everyone has better luck with this one, and as issues come up, please send them to ditsnbits at tentec dot com.

Thank you all for your patience, and I hope this version is more reliable and functional for your needs. With this base code set, we can build on it for the future and make the best HW for a Ham Transceiver in the market today, even better.
John Henry
TenTec Engineering

--- In orion565@yahoogroups.com, "bernie_k1sa" <berniecohen@...> wrote:
>
> I assume everyone is aware that there is a new firmware out for the OII....DSP seems to behave a little differently, red display seems gone, cw sidetone a little low, but so far so good. It looks like another nice version to add to the mix.
> Bernie K1SA
>

6083. Re: [orion565] Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-04 13:12:19 UTC
From: Joe KX4JR
Topic: 6075 Message: 6083

John Henry:
Many thanks for your work in 'quieting the rabble' and bringing the O2 up to
a new standard. We all appreciate your work...again, many thanks.
73's Joe, KX4JR

At 06:47 AM 6/4/2010, you wrote:
>
>
>Hello Bernie, and everyone else,

=======
Email scanned by PC Tools - No viruses or spyware found.
(Email Guard: 7.0.0.18, Virus/Spyware Database: 6.15140)
http://www.pctools.com/
=======

6084. Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-04 13:58:11 UTC
From: toby423p
Topic: 6075 Message: 6084

Some on the list might take offense at being call "the rabble".

IF there are things on the O2 which needed fixing, and there were, then there is nothing wrong with voicing complaints.

Toby W4CAK

--- In orion565@yahoogroups.com, Joe KX4JR <kx4jr@...> wrote:
>
> [Unknown Content-Transfer-Encoding:]
>
> John Henry:
> Many thanks for your work in 'quieting the rabble' and bringing the O2 up to
> a new standard. We all appreciate your work...again, many thanks.
> 73's Joe, KX4JR
>
>
> At 06:47 AM 6/4/2010, you wrote:
> >
> >
> >Hello Bernie, and everyone else,
>
>
>
>
>
> =======
> Email scanned by PC Tools - No viruses or spyware found.
> (Email Guard: 7.0.0.18, Virus/Spyware Database: 6.15140)
> http://www.pctools.com/
> =======
>

6085. Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-04 14:26:12 UTC
From: dick221z
Topic: 6075 Message: 6085

The NR routine seems to be a step backwards. At all settings less than 9, the audio is very crackly. The crackling noise seems to be distortion of the background noise. Even at the max NR setting the crackling is there but on very loud signals its tolerable, on lower signals its still unpleasant. At lower NR levels the audio is very difficult to listen to regardless.

The lower the background noise is, the less crackling there is..

None of this was a problem with 0.39d.

Other than that, this release seems pretty solid so far. Will have to go back to 0.39 because of the NR though.

--- In orion565@yahoogroups.com, "Dennis" <w5uv@...> wrote:
>
> The new version seems much noisier and the NR distorts the receive audio. I will give it a little more time but it looks like I will be going back to the earlier version if I can't figure out a way to make listening a little less annoying! Thanks John for the continuing effort!!
>
> 73, Dennis W5UV
>
> --- In orion565@yahoogroups.com, "bernie_k1sa" <berniecohen@> wrote:
> >
> > I assume everyone is aware that there is a new firmware out for the OII....DSP seems to behave a little differently, red display seems gone, cw sidetone a little low, but so far so good. It looks like another nice version to add to the mix.
> > Bernie K1SA
> >
>

6086. Re: [orion565] Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-04 14:30:21 UTC
From: k3xr@comcast.net
Topic: 6075 Message: 6086

Folks with a legitimate complaint about a product are not rabble, no one need apologize for posting the truth, no matter what the topic. Computers come with a great feature, the delete key.
----- Original Message -----
From: "Joe KX4JR" <kx4jr@...>
To: orion565@ yahoogroups .com
Sent: Friday, June 4, 2010 9:12:19 AM GMT -05:00 US/Canada Eastern
Subject: Re: [orion565] Re: Firmware Version 2.043B

John Henry:
Many thanks for your work in 'quieting the rabble' and bringing the O2 up to
a new standard. We all appreciate your work...again, many thanks.
73's Joe, KX4JR

At 06:47 AM 6/4/2010, you wrote:
>
>
>Hello Bernie, and everyone else,

=======
Email scanned by PC Tools - No viruses or spyware found.
(Email Guard: 7.0.0.18, Virus/ Spyware Database: 6.15140)
http :// www . pctools .com/
=======

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Switch to: Text-Only , Daily Digest • Unsubscribe • Terms of Use

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[Non-text portions of this message have been removed]

6087. Re: [orion565] Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-04 14:49:31 UTC
From: Bert Beyt
Topic: 6075 Message: 6087

John,
   I downloaded Version 2.043B and transfered it into my Orion II, but I had problems with the CW sidetone and SPOT function. The sidetone was not loud enough - by far. It seemed the sidetone would be about 30% of what it should have been. The SPOT function produced a correct tone, but it is surronded by hash and scratchy noise.

   I went back to Version 2.041XT because of the sidetone, and the fact that I really like the waterfall display.
Do you think I got a bad download, or have a local problem? I will try it again later.

   73 Bert W5ZR

   w5zr@hughes.net

On Jun 4, 2010, John <jshenry1963@...> wrote:

  Hello Bernie, and everyone else,

The main goal of creating this new release was to resolve the receiver lockups, bring some consistency in how it worked, and improve upon the base. We felt that starting from the 2.039D release was the best way to go. All of the new features built into 2.041 and beyond were really too many changes at once, and hence caused so many problems. That is one reason they were betas though. So that everyone would know that they were a work in progress. We will add the waterfall display back at some point in time, and we will also increase the height of the Sweep because those two features add a lot to different people.

NR has a new algorithm and as I stated in an earlier post, it may seem raspy or noisy in certain band conditions/noise/recovered audio strength situations. However I haven't found a noisy condition that it couldn't handle properly at higher levels. Most situations will call for an NR level of 4 or higher, and very few will call for an NR level of 3 or less, but they do exist.

I do hope everyone has better luck with this one, and as issues come up, please send them to ditsnbits at tentec dot com.

Thank you all for your patience, and I hope this version is more reliable and functional for your needs. With this base code set, we can build on it for the future and make the best HW for a Ham Transceiver in the market today, even better.
John Henry
TenTec Engineering

--- In orion565@yahoogroups.com, "bernie_k1sa" <berniecohen@...> wrote:
>
> I assume everyone is aware that there is a new firmware out for the OII....DSP seems to behave a little differently, red display seems gone, cw sidetone a little low, but so far so good. It looks like another nice version to add to the mix.
> Bernie K1SA

>

6088. RE: [orion565] Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-04 14:52:28 UTC
From: Andrew B. Steen
Topic: 6075 Message: 6088

Such thin skin! I guess if the shoe fits, then wear it!

Andrew K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of toby423p
Sent: Friday, June 04, 2010 6:58 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Firmware Version 2.043B

Some on the list might take offense at being call "the rabble".

IF there are things on the O2 which needed fixing, and there were, then there is nothing wrong with voicing complaints.

Toby W4CAK

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , Joe KX4JR <kx4jr@...> wrote:
>
> [Unknown Content-Transfer-Encoding:]
>
> John Henry:
> Many thanks for your work in 'quieting the rabble' and bringing the O2 up to
> a new standard. We all appreciate your work...again, many thanks.
> 73's Joe, KX4JR
>
>
> At 06:47 AM 6/4/2010, you wrote:
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> >Hello Bernie, and everyone else,
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> =======
> Email scanned by PC Tools - No viruses or spyware found.
> (Email Guard: 7.0.0.18, Virus/Spyware Database: 6.15140)
> http://www.pctools.com/
> =======
>

[Non-text portions of this message have been removed]

6089. Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-04 15:29:30 UTC
From: hlmcgavran
Topic: 6075 Message: 6089

For me, there are two problems with 2.043B, one affects me in only a minor way, the other is a major nuisance.

I live in a rural area where I rarely need NB or NR, so the minor nuisance is the way NR works now. The popping does get worse with higher atmospheric noise levels, but with the NR off it's not a problem. I've never had enough man-made noise to warrant running the NR very high.

The interesting thing is though, that the side-tone is subject to the same popping even with NR off, if the side-tone level is set higher than 30. What's really interesting is that I can set the side-tone level higher and not get the popping IF the atmospheric noise is LOWER. With really low background noise I can run the level up to almost 35 and not get any popping. If I run it up to 50 or more the side tone sounds absolutely horrible for all the noise/popping generated with it. This sounds like the same stuff you get with NR set to low levels, but the side-tone popping happens whether NR is on or off.

The side-tone issue is the only one I've found that would send me back to 2.039d, but it seems to be ok if I keep the side-tone level at 30 or less. That's really annoying as the side-tone is a bit soft at that level -- but I think I'll stick with 2.043B as I can manage this way until the side-tone level issue get's fixed and I don't rely on NR very often at all.

Other things look fine so far -- I've managed to try to exercise all the things I usually do and haven't noticed anything else is a problem. Something else may crop up, but if not, I'll stick with this release until the next one.

I'm really happy to see the 10khz frequency offset markers on the sweep. Their absence in the previous releases after 2.039d were greatly missed!

73 --
Harry, W5PNY

6090. Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-04 18:23:45 UTC
From: wa2zod
Topic: 6075 Message: 6090

Same NR problem here. NR setting 1 thru 8 are useless to me. On setting 9 it helps but still adds NOISE. Shold relabel as NA (Noise Addition). I'm going back to 041XT, at least the NR worked good for me.

--- In orion565@yahoogroups.com, "dick221z" <dick221z@...> wrote:
>
> The NR routine seems to be a step backwards. At all settings less than 9, the audio is very crackly. The crackling noise seems to be distortion of the background noise. Even at the max NR setting the crackling is there but on very loud signals its tolerable, on lower signals its still unpleasant. At lower NR levels the audio is very difficult to listen to regardless.
>
> The lower the background noise is, the less crackling there is..
>
> None of this was a problem with 0.39d.
>
> Other than that, this release seems pretty solid so far. Will have to go back to 0.39 because of the NR though.
>
> --- In orion565@yahoogroups.com, "Dennis" <w5uv@> wrote:
> >
> > The new version seems much noisier and the NR distorts the receive audio. I will give it a little more time but it looks like I will be going back to the earlier version if I can't figure out a way to make listening a little less annoying! Thanks John for the continuing effort!!
> >
> > 73, Dennis W5UV
> >
> > --- In orion565@yahoogroups.com, "bernie_k1sa" <berniecohen@> wrote:
> > >
> > > I assume everyone is aware that there is a new firmware out for the OII....DSP seems to behave a little differently, red display seems gone, cw sidetone a little low, but so far so good. It looks like another nice version to add to the mix.
> > > Bernie K1SA
> > >
> >
>

6091. Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-04 20:02:43 UTC
From: Dennis
Topic: 6075 Message: 6091

Thanks John. I am betting on the future so I have decided to stick it out on the new version. I have found although there seems to be more "white noise" than before, I can simply turn the NR off and it is not so bad (just not as smooth to listen to as previous versions). If you say this is a more stable foundation for moving forward, then I can grin and bear it. Just hope the improvements and innovations come a little faster than what we have seen the past couple of years. Thanks for putting forward the effort to keep the Orion II a great radio!!

73, Dennis W5UV

--- In orion565@yahoogroups.com, "John" <jshenry1963@...> wrote:
>
> Hello Bernie, and everyone else,
>
> The main goal of creating this new release was to resolve the receiver lockups, bring some consistency in how it worked, and improve upon the base. We felt that starting from the 2.039D release was the best way to go. All of the new features built into 2.041 and beyond were really too many changes at once, and hence caused so many problems. That is one reason they were betas though. So that everyone would know that they were a work in progress. We will add the waterfall display back at some point in time, and we will also increase the height of the Sweep because those two features add a lot to different people.
>
> NR has a new algorithm and as I stated in an earlier post, it may seem raspy or noisy in certain band conditions/noise/recovered audio strength situations. However I haven't found a noisy condition that it couldn't handle properly at higher levels. Most situations will call for an NR level of 4 or higher, and very few will call for an NR level of 3 or less, but they do exist.
>
> I do hope everyone has better luck with this one, and as issues come up, please send them to ditsnbits at tentec dot com.
>
> Thank you all for your patience, and I hope this version is more reliable and functional for your needs. With this base code set, we can build on it for the future and make the best HW for a Ham Transceiver in the market today, even better.
> John Henry
> TenTec Engineering
>
>
> --- In orion565@yahoogroups.com, "bernie_k1sa" <berniecohen@> wrote:
> >
> > I assume everyone is aware that there is a new firmware out for the OII....DSP seems to behave a little differently, red display seems gone, cw sidetone a little low, but so far so good. It looks like another nice version to add to the mix.
> > Bernie K1SA
> >

>

6092. Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-05 12:50:52 UTC
From: bernie_k1sa
Topic: 6075 Message: 6092

Hi Bert et al...

When I repowered the radio after the initial master reset, the cw sidetone low volume issue disappeared and has not been heard from since, pun intended .

I use the BinRx feature whenever I'm using headphones. One oddity that I did notice is that when the radio is booted up, the sound comes through the left phones but not the right. If I scroll through the BinRx entries back to BinRx Main, where I usually keep the audio setting, then audio returns to the right earphone. This reminds me of the quirk of losing headphone audio with one of the 01 versions if the second receiver was set to AM....Ah, the wonders of software radios!

We all have different needs and expectations, and a version of software that works for one person might not be good for another. I run nearly all cw with dxing, rag chewing, and some contesting, and my needs might be completely different from someone who does just SSB or digital. I think 2.041xt and 2.039d are both keepers, especially the band scope display in the 2.041xt, but more people by far prefer the traditional display.

In any case, the Orion receiver is superb. It even beats the Omni VII hands down. That's the good part of this radio, with whatever software is driving it.

Many thanks to John and for the efforts of the software team, and especially for keeping everyone informed.

Bernie K1SA

--- In orion565@yahoogroups.com, Bert Beyt <w5zr@...> wrote:
>
> John,
> Â Â I downloaded Version 2.043B and transfered it into my Orion II, but I had problems with the CW sidetone and SPOT function.Â The sidetone wasÂ not loud enough - by far.Â It seemed the sidetone would be about 30% of what it should have been.Â The SPOT function produced a correct tone, but itÂ is surronded by hash and scratchy noise.Â Â
>
> Â Â I went back to Version 2.041XT because of the sidetone, and the fact that I really like the waterfall display.
> Do you think I got a bad download, orÂ have a local problem?Â I will try it again later.
>
> Â Â 73Â BertÂ W5ZR
>
> Â Â w5zr@...Â
> Â Â
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> On Jun 4, 2010, John <jshenry1963@...> wrote:
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> Â Hello Bernie, and everyone else,
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> The main goal of creating this new release was to resolve the receiver lockups, bring some consistency in how it worked, and improve upon the base. We felt that starting from the 2.039D release was the best way to go. All of the new features built into 2.041 and beyond were really too many changes at once, and hence caused so many problems. That is one reason they were betas though. So that everyone would know that they were a work in progress. We will add the waterfall display back at some point in time, and we will also increase the height of the Sweep because those two features add a lot to different people.
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> John Henry
> TenTec Engineering
>
> --- In orion565@yahoogroups.com, "bernie_k1sa" <berniecohen@> wrote:
> >
> > I assume everyone is aware that there is a new firmware out for the OII....DSP seems to behave a little differently, red display seems gone, cw sidetone a little low, but so far so good. It looks like another nice version to add to the mix.
> > Bernie K1SA
> >
>

6093. Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-05 15:04:27 UTC
From: Harry G McGavran Jr
Topic: 6075 Message: 6093

There are a number of things I like about 2.043B -- one seems to be
that the CAT interface seems a tab more robust. I might just be
dreaming it, but I've written a number of programs for my Orion II
that use the CAT interface and one problem has always been that
if one is sending a long sequence of commands that don't generate
responses to the Orion, some of the commands are not executed
by the Orion. Increasing the delay between commands helps, the
the delays required seem to vary in not so predictable ways.
That problem SEEMS to be better than with 2.039d.

BUT -- I really really dislike to new NR algorithm -- particularly
as it affects the side-tone, even with the NR off. After a couple
days of operating with 2.043B, I finally had enough and went
back to 2.039d. It seems to me the new NR algorithm is doing things
even when NR is off... I hope the next release either reverts to
the old NR algorithm or gives the user a choice of which one he wants.
In any case, the side-tone is atrocious unless kept at very low levels
and/or NR is invoked at fairly high levels. For those of us in
very quiet locations, that drives me nuts.

73,
Harry, W5PNY

--

Harry G. McGavran, Jr.

E-mail: w5pny@...

6094. RE: [orion565] Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-05 15:58:56 UTC
From: Andrew B. Steen
Topic: 6075 Message: 6094

I have a question? I read a lot of reviews about the problem with the NR. If one lives in a very quiet location, why would one be concerned about the NR, other than the occasional need for temporary local noise problems? Thanks.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Harry G McGavran Jr
Sent: Saturday, June 05, 2010 8:04 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Firmware Version 2.043B

There are a number of things I like about 2.043B -- one seems to be that the CAT interface seems a tab more robust. I might just be dreaming it, but I've written a number of programs for my Orion II that use the CAT interface and one problem has always been that if one is sending a long sequence of commands that don't generate responses to the Orion, some of the commands are not executed by the Orion. Increasing the delay between commands helps, the the delays required seem to vary in not so predictable ways. That problem SEEMS to be better than with 2.039d.

BUT -- I really really dislike to new NR algorithm -- particularly as it affects the side-tone, even with the NR off. After a couple days of operating with 2.043B, I finally had enough and went back to 2.039d. It seems to me the new NR algorithm is doing things even when NR is off... I hope the next release either reverts to the old NR algorithm or gives the user a choice of which one he wants. In any case, the side-tone is atrocious unless kept at very low levels and/or NR is invoked at fairly high levels. For those of us in very quiet locations, that drives me nuts.

73,
Harry, W5PNY

--

Harry G. McGavran, Jr.

E-mail: w5pny@... <mailto:w5pny%40arrl.net>

[Non-text portions of this message have been removed]

6095. Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-05 18:14:21 UTC
From: dick221z
Topic: 6075 Message: 6095

It seems the distortion when using SPOT can be temporarily cured by turning down the main AF volume then turning it back up. That works thru a power on/off cycle but the problem comes back if you change modes.

--- In orion565@yahoogroups.com, "dick221z" <dick221z@...> wrote:
>
> The NR routine seems to be a step backwards. At all settings less than 9, the audio is very crackly. The crackling noise seems to be distortion of the background noise. Even at the max NR setting the crackling is there but on very loud signals its tolerable, on lower signals its still unpleasant. At lower NR levels the audio is very difficult to listen to regardless.
>
> The lower the background noise is, the less crackling there is..
>
> None of this was a problem with 0.39d.
>
> Other than that, this release seems pretty solid so far. Will have to go back to 0.39 because of the NR though.
>
> --- In orion565@yahoogroups.com, "Dennis" <w5uv@> wrote:
> >
> > The new version seems much noisier and the NR distorts the receive audio. I will give it a little more time but it looks like I will be going back to the earlier version if I can't figure out a way to make listening a little less annoying! Thanks John for the continuing effort!!
> >
> > 73, Dennis W5UV
> >
> > --- In orion565@yahoogroups.com, "bernie_k1sa" <berniecohen@> wrote:
> > >
> > > I assume everyone is aware that there is a new firmware out for the OII....DSP seems to behave a little differently, red display seems gone, cw sidetone a little low, but so far so good. It looks like another nice version to add to the mix.
> > > Bernie K1SA
> > >
> >
>

6096. Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-05 19:42:28 UTC
From: hlmcgavran
Topic: 6075 Message: 6096

Because the artifacts of the new NR algorithm are present
even when the NR is off! The side-tone through the speakers
with the SPOT button is particularly affected.

73 --

Harry, W5PNY

--- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@...> wrote:
>
> I have a question? I read a lot of reviews about the problem with the NR.
> If one lives in a very quiet location, why would one be concerned about the
> NR, other than the occasional need for temporary local noise problems?
> Thanks.
>
>
>
> Andrew
>
> K6STN
>
>
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Harry G McGavran Jr
> Sent: Saturday, June 05, 2010 8:04 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Firmware Version 2.043B
>
>
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>
>
> There are a number of things I like about 2.043B -- one seems to be
> that the CAT interface seems a tab more robust. I might just be
> dreaming it, but I've written a number of programs for my Orion II
> that use the CAT interface and one problem has always been that
> if one is sending a long sequence of commands that don't generate
> responses to the Orion, some of the commands are not executed
> by the Orion. Increasing the delay between commands helps, the
> the delays required seem to vary in not so predictable ways.
> That problem SEEMS to be better than with 2.039d.
>

> BUT -- I really really dislike to new NR algorithm -- particularly
> as it affects the side-tone, even with the NR off. After a couple
> days of operating with 2.043B, I finally had enough and went
> back to 2.039d. It seems to me the new NR algorithm is doing things
> even when NR is off... I hope the next release either reverts to
> the old NR algorithm or gives the user a choice of which one he wants.
> In any case, the side-tone is atrocious unless kept at very low levels
> and/or NR is invoked at fairly high levels. For those of us in
> very quiet locations, that drives me nuts.
>
> 73,
> Harry, W5PNY
>
> --
>
> Harry G. McGavran, Jr.
>
> E-mail: w5pny@... <mailto:w5pny%40arrl.net>
>
>
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>
>
> [Non-text portions of this message have been removed]
>

6097. new to group

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-08 02:58:09 UTC
From: paul glassman
Topic: 6097 Message: 6097

Hi All, I am new to this group, however not new to Orion 2. I have owned two during the past 5 years and love hoss trading. I traded my last 02 about 6 months ago and miss it. I am looking for a fully loaded O2at with desk mic, antenna tuner, encoder pad and all filters. i sold my loaded O2 for $2700 and passed on one last week for the same price. Timing was bad. My xyl wanted a new deck and it won out over the rig hihi. We have reached an agreement and I can buy a new toy. Let me know if you have what I am looking for.

best 73 paul w8jn

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[Non-text portions of this message have been removed]

6098. PowerSDR-IF & N4PY linking document

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-09 20:41:40 UTC
From: Rick W
Topic: 6098 Message: 6098

The PowerSDR-IF and N4PY software for use with the LP-PAN (or similar) panadapter has undergone many rapid changes over almost 2 years since my original document. So there was a SERIOUS need to update the documentation. The updated documentation shows how to get PowerSDR-IF panadapter software working with N4PY Orion rig control software WITHOUT the need to use LP-Bridge software. In addition, it provides detailed set-up instruction allowing N4PY to be used with programs such as CWSkimmer, N1MM and PowerSDR concurrently.

The set-up is not "plug-n-play" but hopefully users will find it clear enough to get the necessary programs linked and working.

Please note that the most current version of this and other
documentation is available on my website. Enter the site and then go to "Ten-Tec Information" and click on "LP-PAN/Orion".

As always, comments appreciated.

73,
Rick
VE7TK

Website: http://www3.telus.net/ve7tk

[Non-text portions of this message have been removed]

6099. Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-10 18:38:27 UTC
From: w0ewm
Topic: 6075 Message: 6099

Hi Andrew,
While "noise fighting tools" are often used against "local noise sources," there are cases where they can be very useful against propagated noise. Noise blankers are often used to minimize the impact of "over the horizon HF radar systems," such as the one used by the Chinese. "Noise Reduction," depending on the algorithm, can be useful in notching out propagated noise from the passband where there is no "coherent" signal. This can be used to notch out QRN from the areas of an SSB bandwidth where is no "instantaneous" voice energy. In cases like this, the filter gets "torn down" and rebuilt as a person speaks and the frequency of the voice changes (Thus the balance between some distortion inserted into the signal from rebuilding the filter and the benefit of removing the noise). Other NR systems can act like an "adaptable" low-pass filter to reduce high frequency noise from a sideband signal, depending on the voice frequencies being used. Of course for CW, the best thing you can do is reduce the receive bandwidth as far as you can while still copying the CW signal - whether done by switching in narrow IF filters or with a DSP bandwidth control on a rig like the Orion.
73, Merle - W0EWM

--- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@...> wrote:
>
> I have a question? I read a lot of reviews about the problem with the NR.
> If one lives in a very quiet location, why would one be concerned about the
> NR, other than the occasional need for temporary local noise problems?
> Thanks.
>
>
>
> Andrew
>
> K6STN
>
>
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Harry G McGavran Jr
> Sent: Saturday, June 05, 2010 8:04 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Firmware Version 2.043B
>
>
>
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>

> There are a number of things I like about 2.043B -- one seems to be
> that the CAT interface seems a tab more robust. I might just be
> dreaming it, but I've written a number of programs for my Orion II
> that use the CAT interface and one problem has always been that
> if one is sending a long sequence of commands that don't generate
> responses to the Orion, some of the commands are not executed
> by the Orion. Increasing the delay between commands helps, the
> the delays required seem to vary in not so predictable ways.
> That problem SEEMS to be better than with 2.039d.
>
> BUT -- I really really dislike to new NR algorithm -- particularly
> as it affects the side-tone, even with the NR off. After a couple
> days of operating with 2.043B, I finally had enough and went
> back to 2.039d. It seems to me the new NR algorithm is doing things
> even when NR is off... I hope the next release either reverts to
> the old NR algorithm or gives the user a choice of which one he wants.
> In any case, the side-tone is atrocious unless kept at very low levels
> and/or NR is invoked at fairly high levels. For those of us in
> very quiet locations, that drives me nuts.
>
> 73,
> Harry, W5PNY
>
> --
>
> Harry G. McGavran, Jr.
>
> E-mail: w5pny@... <mailto:w5pny%40arrl.net>
>
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>
> [Non-text portions of this message have been removed]
>

6100. RE: [orion565] Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-10 18:56:29 UTC
From: Robert Carroll
Topic: 6075 Message: 6100

While it is not always useful or needed, the Orion noise reduction plus a narrowband IF filter and with DSP bandwidth pulled in to 100Hz has given me a number of new ones on 160m cw which I could not have worked otherwise. It takes a while to get used to the DNR and making it effective.

73

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of w0ewm
Sent: Thursday, June 10, 2010 2:38 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Firmware Version 2.043B

Hi Andrew,
While "noise fighting tools" are often used against "local noise sources," there are cases where they can be very useful against propagated noise.
Noise

927 - Release Date: 06/10/10 02:35:00

[Non-text portions of this message have been removed]

6101. Re: [orion565] Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-10 19:39:43 UTC
From: Al Baker
Topic: 6075 Message: 6101

Be nice to know which firmware version you were using to get the new ones, Bob.

73 de Al, w5IZ

From: Robert Carroll <w2wg@...>
To: orion565@yahoogroups.com
Sent: Thu, June 10, 2010 1:56:29 PM
Subject: RE: [orion565] Re: Firmware Version 2.043B

While it is not always useful or needed, the Orion noise reduction plus a narrowband IF filter and with DSP bandwidth pulled in to 100Hz has given me a number of new ones on 160m cw which I could not have worked otherwise. It takes a while to get used to the DNR and making it effective.

73

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of w0ewm
Sent: Thursday, June 10, 2010 2:38 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Firmware Version 2.043B

Hi Andrew,
While "noise fighting tools" are often used against "local noise sources," there are cases where they can be very useful against propagated noise.
Noise

927 - Release Date: 06/10/10 02:35:00

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

6102. Orion 2 Firmware 2.044A Released

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-10 20:59:25 UTC
From: John
Topic: 6102 Message: 6102

We have released a new set of firmware for the Orion 2.
This addresses mainly the NR issues and partially addresses the SPOT Tone issues.
Feedback is welcome on these or other features, only makes the rig better for everyone.
If new issues arise, please feel free to post them to ditsnbits at tentec.com.

Thank you,
John Henry, KI4JPL
TenTec Engineering

6103. Re: Orion 2 Firmware 2.044A Released

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-10 23:47:27 UTC
From: Dennis
Topic: 6102 Message: 6103

Wow - that was a quick response to the NR issue! Thanks John. I have downloaded the new firmware and the NR sounds much better. Thanks for all your efforts!

73, Dennis W5UV

--- In orion565@yahoogroups.com, "John" <jshenry1963@...> wrote:
>
> We have released a new set of firmware for the Orion 2.
> This addresses mainly the NR issues and partially addresses the SPOT Tone issues.
> Feedback is welcome on these or other features, only makes the rig better for everyone.
> If new issues arise, please feel free to post them to ditsnbits at tentec.com.
>
> Thank you,
> John Henry, KI4JPL
> TenTec Engineering
>

6104. Re: Orion 2 Firmware 2.044A Released

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-10 23:53:45 UTC
From: Dennis
Topic: 6102 Message: 6104

Wow - that was a quick response to the NR issue! Thanks John. I have downloaded the new firmware and the NR sounds much better. Thanks for all your efforts!

73, Dennis W5UV

--- In orion565@yahoogroups.com, "John" <jshenry1963@...> wrote:
>
> We have released a new set of firmware for the Orion 2.
> This addresses mainly the NR issues and partially addresses the SPOT Tone issues.
> Feedback is welcome on these or other features, only makes the rig better for everyone.
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>
> Thank you,
> John Henry, KI4JPL
> TenTec Engineering
>

6105. Re: Orion 2 Firmware 2.044A Released

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-11 00:07:58 UTC
From: dick221z
Topic: 6102 Message: 6105

The NR is much improved over2.043.

I don't know if its my imagination or not but the receive audio seems to sound better as well.

Its good to see Ten Tec addressing the issues quickly !!

--- In orion565@yahoogroups.com, "John" <jshenry1963@...> wrote:
>
> We have released a new set of firmware for the Orion 2.
> This addresses mainly the NR issues and partially addresses the SPOT Tone issues.
> Feedback is welcome on these or other features, only makes the rig better for everyone.
> If new issues arise, please feel free to post them to ditsnbits at tentec.com.
>
> Thank you,
> John Henry, KI4JPL
> TenTec Engineering
>

6106. Re: Orion 2 Firmware 2.044A Released

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-11 00:52:49 UTC
From: Harry G McGavran Jr
Topic: 6102 Message: 6106

With this one I can set the side-tone level all the way
up to 65 before the pops begin, and by the time one
gets past 80 on towards 99 the distortion on the
side-tone is still really bad -- BUT -- for me at
least, levels are 50-60 are all I need and that is
now distortion free, at least with a 610 Hz sidetone
which is the only one I tested or use. I also am
using the speaker and not headphones for this.
Since one gets the side-tone every time the SPOT
button is used, the side-tone distortion was really
objectionable with 2.043B.

The NR seems better too, but most all the time I don't
really need it -- and it's nice not to have artifacts that
sound like NR action on the side-tone which the side-tone
is set to 50-60.

There are a few CAT wierdnesses here and there, but the reliability
of sending a strings of "*" commands seems better.

Unless something else crops up, I think I can live with this
release...

73 --

Harry, W5PNY

--

Harry G. McGavran, Jr.

E-mail: w5pny@...

6107. Re: Firmware Version 2.043B

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-11 14:27:12 UTC
From: DAN
Topic: 6075 Message: 6107

So far the NR seems to be a big improvement and likely the best to date. Previous versions changed quality of audio on CW and SSB. This version seems very good at all settings on SSB alters CW slightly. As you go from setting 1 to 9 the level changes are clearly detected. This is how my ears hear it, may be different for you. Next to my O2 is an Omni VI plus, still one of TT's best NR functions. As to the other changes, not explored them, yet. The NR, when it comes to reducing band noise, has always been a big issue for me.

6108. RE: [orion565] PowerSDR-IF & N4PY linking document

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-11 14:06:57 UTC
From: Andrew B. Steen
Topic: 6098 Message: 6108

Good morning Rick. I have been unsuccessful in getting on your website for a couple of days now. Are there some issues going on, or is it me? I think I will try Google Chrome and see if that works. Glad to hear you are upgrading your info page.

73, Andrew K6STN

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Rick W
Sent: Wednesday, June 09, 2010 1:42 PM
To: Ten-Tec Reflector; Orion565
Subject: [orion565] PowerSDR-IF & N4PY linking document

The PowerSDR-IF and N4PY software for use with the LP-PAN (or similar) panadapter has undergone many rapid changes over almost 2 years since my original document. So there was a SERIOUS need to update the documentation. The updated documentation shows how to get PowerSDR-IF panadapter software working with N4PY Orion rig control software WITHOUT the need to use LP-Bridge software. In addition, it provides detailed set-up instruction allowing N4PY to be used with programs such as CWSkimmer, N1MM and PowerSDR concurrently.

The set-up is not "plug-n-play" but hopefully users will find it clear enough to get the necessary programs linked and working.

Please note that the most current version of this and other documentation is available on my website. Enter the site and then go to "Ten-Tec Information" and click on "LP-PAN/Orion".

As always, comments appreciated.

73,
Rick
VE7TK

Website: http://www3.telus.net/ve7tk

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6109. Updating software crash

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-11 15:56:21 UTC
From: udas
Topic: 6109 Message: 6109

Hello!
I have updated my Orion 566 some times in the past without any problem,
but updating to v.2.044a led to unfortunate results.
At first I launched 566-Setup-2.044a.exe and after installation got 566v2.044A.ruf file, then
I turned TRX on holdindg USER2 button, got " Flash update mode" on TRX screen
and begun Update. But after some seconds the follow Error report did appear, look file above, please!
At the same time on screen of the TRX appeared message "Erase flash" above the message " Flash update mode",
and then messages "Program flash 1, Program flash 2 ....Program flash 26".
Now when I turn TRX on the white screen with TEN-TEC logo does appear and TRX stays in this status permanently. I tried to make Master reset but without any success- TRX just does not switch to Reset mode,
although I hold Main RX/TX button 5-10-20-30 seconds when turn TRX on!

HELP PSE!!!!

73! de Iva, UA6LJB

[Non-text portions of this message have been removed]

6110. Re: [orion565] Updating software crash

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-11 16:27:36 UTC
From: Fotis SV8ING
Topic: 6109 Message: 6110

Did you try to reload the FW?Start the update procedure from the beggining.

73

Fotis SV8ING Papadellis

GREECE

--- Στις Παρ., 11/06/10, o/η udas <udas@...> έγραψε:

Από: udas <udas@...>
Θέμα: [orion565] Updating software crash
Προς: orion565@yahoogroups.com
Ημερομηνία: Παρασκευή, 11 Ιούνιος 2010, 15:56

Hello!

I have updated my Orion 566 some times in the past without any problem,

but updating to v.2.044a led to unfortunate results.

At first I launched 566-Setup-2.044a.exe and after installation got 566v2.044A.ruf file, then

I turned TRX on holdindg USER2 button, got " Flash update mode" on TRX screen

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although I hold Main RX/TX button 5-10-20-30 seconds when turn TRX on!

HELP PSE!!!!

73! de Iva, UA6LJB

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6111. Re: PowerSDR-IF & N4PY linking document

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-11 16:32:09 UTC
From: ve7tk
Topic: 6098 Message: 6111

Good morning Andrew.

To my knowledge there are no problems with my website. The document was "tweaked" today and the latest (June 11) version is on the site.

If you are still having problems please send me an email directly:

ve7tk at arrl dot net

73, Rick
VE7TK

--- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@...> wrote:
>
> Good morning Rick. I have been unsuccessful in getting on your website for
> a couple of days now. Are there some issues going on, or is it me? I think
> I will try Google Chrome and see if that works. Glad to hear you are
> upgrading your info page.
>
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> 73, Andrew K6STN
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> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Rick W
> Sent: Wednesday, June 09, 2010 1:42 PM
> To: Ten-Tec Reflector; Orion565
> Subject: [orion565] PowerSDR-IF & N4PY linking document
>
>
>
>
>
>
> The PowerSDR-IF and N4PY software for use with the LP-PAN (or similar)
> panadapter has undergone many rapid changes over almost 2 years since my
> original document. So there was a SERIOUS need to update the documentation.
> The updated documentation shows how to get PowerSDR-IF panadapter software
> working with N4PY Orion rig control software WITHOUT the need to use
> LP-Bridge software. In addition, it provides detailed set-up instruction
> allowing N4PY to be used with programs such as CWSkimmer, N1MM and PowerSDR
> concurrently.
>

> The set-up is not "plug-n-play" but hopefully users will find it clear
> enough to get the necessary programs linked and working.
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> Please note that the most current version of this and other
> documentation is available on my website. Enter the site and then go to
> "Ten-Tec Information" and click on "LP-PAN/Orion".
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> As always, comments appreciated.
>
> 73,
> Rick
> VE7TK
>
> Website: http://www3.telus.net/ve7tk
>
> [Non-text portions of this message have been removed]
>
>
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>
>
> [Non-text portions of this message have been removed]
>

6112. Re: [orion565] Updating software crash

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-11 17:31:25 UTC
From: udas
Topic: 6109 Message: 6112

Did you try to reload the FW?Start the update procedure from the beggining.

73

Fotis SV8ING Papadellis

GREECE

Yes Fotis, I did try some times and every time I have the same result:

"When I turn TRX on the white screen with TEN-TEC logo does appear and TRX
stays in this
status permanently."

73! de Iva, UA6LJB

[

6113. Re: Updating software crash

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-11 18:26:56 UTC
From: ve7tk
Topic: 6109 Message: 6113

Have you done:

1) MASTER RESET (see Chapter 4 of Orion manual) and

2) RAM-Clear (see FILES section of this Yahoo group)

3) Reload firmware.

Hopefully this would give you a clean slate and install the firmware without a problem.

73, Rick
VE7TK

--- In orion565@yahoogroups.com, "udas" <udas@...> wrote:
>
>
>
>
> Did you try to reload the FW?Start the update procedure from the beggining.
>
> 73
>
> Fotis SV8ING Papadellis
>
> GREECE
>
> Yes Fotis, I did try some times and every time I have the same result:
>
> "When I turn TRX on the white screen with TEN-TEC logo does appear and TRX
> stays in this
> status permanently."
>
> 73! de Iva, UA6LJB
>
> [
>

6114. Re: [orion565] Updating software crash

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-11 18:42:03 UTC
From: Fotis SV8ING
Topic: 6109 Message: 6114

I had the same situation once,but I resolved it reloading again.
(Try turning on the radio with USER2 pressed etc)

If the radio stays with white screen and TT logo ,I think a reset doesn't solve the problem.My opinion is that reloading the FW is the only solution.
If all these fail ,next step is contacting TT service for advice.

I can't think of anything else...sorry.

73

Fotis SV8ING Papadellis

GREECE

--- Στις Παρ., 11/06/10, o/η udas <udas@...> έγραψε:

Από: udas <udas@...>
Θέμα: Re: [orion565] Updating software crash
Προς: orion565@yahoogroups.com
Ημερομηνία: Παρασκευή, 11 Ιούνιος 2010, 17:31

Did you try to reload the FW?Start the update procedure from the beggining.

73

Fotis SV8ING Papadellis

GREECE

Yes Fotis, I did try some times and every time I have the same result:

"When I turn TRX on the white screen with TEN-TEC logo does appear and TRX

stays in this

status permanently."

73! de Iva, UA6LJB

[

[Non-text portions of this message have been removed]

6115. Re: [orion565] Updating software crash

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-11 18:55:27 UTC
From: udas
Topic: 6109 Message: 6115

I had the same situation once,but I resolved it reloading again.
(Try turning on the radio with USER2 pressed etc)

If the radio stays with white screen and TT logo ,I think a reset doesn't
solve the problem.My opinion is that reloading the FW is the only solution.
If all these fail ,next step is contacting TT service for advice.

I can't think of anything else...sorry.

73

Fotis SV8ING Papadellis

GREECE

--- Στις Παρ., 11/06/10, o/η udas <udas@...> έγραψε:

Ok thank you! I"ll try to change COM port and try ones more.
73! de Iva, UA6LJB

6116. Re: [orion565] Re: Updating software crash

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-11 19:09:48 UTC
From: udas
Topic: 6109 Message: 6116

Have you done:

1) MASTER RESET (see Chapter 4 of Orion manual) and

2) RAM-Clear (see FILES section of this Yahoo group)

3) Reload firmware.

Hopefully this would give you a clean slate and install the firmware without
a problem.

73, Rick
VE7TK

--- In orion565@yahoogroups.com, "udas" <udas@...> wrote:
>
> Rick,
1) I have tried to do MASTER RESET, but TRX does not "want" to switch to
this Mode,
although I hold MainRX/TX ANT1 button when Turn TRX on and I hold one
essentially more
than 5 seconds.
2) I did find instruction about RAM-Clear at TEN-TEC site but TRX does not
respond on holding right LCK
button and the Message about switcing to MASTER RESET does not appear. I
hold this button long time.

73! de Iva, UA6LJB

6117. Re: Updating software crash

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-11 21:09:50 UTC
From: toby423p
Topic: 6109 Message: 6117

I had the same thing happen, and pressing USER 2 while booting up brought up the Ten Tec logo. I then reloaded the current firmware version and all was well.

Toby W4CAK

--- In orion565@yahoogroups.com, Fotis SV8ING <sv8ing@...> wrote:
>
> I had the same situation once,but I resolved it reloading again.
> (Try turning on the radio with USER2 pressed etc)
>
> If the radio stays with white screen and TT logo ,I think a reset doesn't solve the problem.My opinion is that reloading the FW is the only solution.
> If all these fail ,next step is contacting TT service for advice.
>
> I can't think of anything else...sorry.
>
> 73
>
> Fotis SV8ING Papadellis
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> GREECE
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> --- Î£Ï□Î¹Ï□ Î Î±Ï□., 11/06/10, Î¿/Î· udas <udas@...> ÎÎ³Ï□Î±Ï□Îµ:
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> Î`Ï□Ï□: udas <udas@...>
> Î□ÎÎ¼Î±: Re: [orion565] Updating software crash
> Î Ï□Î¿Ï□: orion565@yahoogroups.com
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> Did you try to reload the FW?Start the update procedure from the beggining.
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> Fotis SV8ING Papadellis
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> GREECE
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> Yes Fotis, I did try some times and every time I have the same result:
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> "When I turn TRX on the white screen with TEN-TEC logo does appear and TRX
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> stays in this
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> status permanently."
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> 73! de Iva, UA6LJB
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6118. Re: [orion565] Orion 2 Firmware 2.044A Released

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-13 00:24:09 UTC
From: Bert Beyt
Topic: 6102 Message: 6118

John,
   Thanks for the update. This version seems to work fine.
   My only request now is a lot more volume on the CW monitor level.

   73 Bert W5ZR

On Jun 10, 2010, John <jshenry1963@...> wrote:

  We have released a new set of firmware for the Orion 2.
This addresses mainly the NR issues and partially addresses the SPOT Tone issues.
Feedback is welcome on these or other features, only makes the rig better for everyone.
If new issues arise, please feel free to post them to ditsnbits at tentec.com.

Thank you,
John Henry, KI4JPL
TenTec Engineering

6119. Orion 1 Firmware?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-13 02:12:06 UTC
From: Martin
Topic: 6102 Message: 6119

Let me hope that also Orion 1 will not be abandoned with new firmware versions...

73
Martin, OK1RR

6120. Re: Orion 1 Firmware?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-14 11:12:00 UTC
From: mickhannam
Topic: 6102 Message: 6120

Martin,

I am sure there will be an update for the Orion 1 soon. See the original "what's next" post asking for beta testers here:

http://groups.yahoo.com/group/orion565/message/6074

I think a few people may have missed the Orion 1 reference.

I look forward to the next release for my Orion 1.

Mick

--- In orion565@yahoogroups.com, Martin <martin@...> wrote:
>
> Let me hope that also Orion 1 will not be abandoned with new firmware
> versions...
>
> 73
> Martin, OK1RR
>

6121. Re: orion 1 screen

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-18 22:20:02 UTC
From: pa1ap
Topic: 6066 Message: 6121

Received the replacement LCD (only available when old LCD is defective) and installed it into the Orion 565... I am wearing sun classes from now on :-) Time will tell how it behaves, so far it is ok. I have uploaded a picture within the photos section, look for "now it is blue" folder.

Some observations:
1) white on blue works well. I am happy with it.
2) blue on white is not so good, it has some refresh issues
3) it runs well on release 1 and even better on release 2 firmware
4) brand and documentation available on the internet, so finally we have technical docs on the screen & control

Ten-tec has been very friendly providing excellent service. They warned about the refresh issue (jitter) when blue on white and shared this replacement is really intended for replacing defective screens only.

cheers, onno

--- In orion565@yahoogroups.com, Jim Koshmider <k8oz1@...> wrote:
>
> Very well, Dean -Â
> Â
> Thanks for the information.Â I will watch for your update(s).Â
> Â
> 73,Â
> Â
> Jim,Â K8OZÂ
>
>
> --- On Tue, 6/1/10, Dean Cobussen <dean@...> wrote:
>
>
> From: Dean Cobussen <dean@...>
> Subject: Re: [orion565] orion 1 screen
> To: orion565@yahoogroups.com
> Date: Tuesday, June 1, 2010, 12:10 AM
>
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> Â
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>
> Hi Jim, well i can tell you its exactly USD $150 plus shipping.
>
> Yes the original screen is very boring and this new blue LCD is a
> glamour addition. I like the white text on blue, its impressive

> contrast and lovely to look at. Although the blue text on white is
> also much better than the original. When i sort the slow warm up, i
> will post the solution.
>
> regards,
>
> Dean
> ZL1COB
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> [Non-text portions of this message have been removed]
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6122. Re: orion 1 screen

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-19 00:03:10 UTC
From: Dean Cobussen
Topic: 6066 Message: 6122

Just to add to what Onno has found, I think it is worth noting that there will be some variation in what others will see using this screen. I see slightly different contrast results even after replacing the electrolytic caps in the power board. I will work with Onno on this as often as i can. I may have some other issues elsewhere that require attention yet that he has pointed out and share those when possible.

However, i get good results on both white on blue and blue on white. Swapping between either state even with the old screen was never very good. The contrast setting needs to be heavily altered for me to run one or the other well.

The biggest issue i have is on start up from cold. With white text on blue - If i have an optimum contrast setting so it looks fine to start with, it changes after 5 mins. I start to see a purple blue colour after a period of time and then need to up the contrast setting to regain the blue look from a reasonable angle. I tend to leave the rig on and i love how it looks.

With blue text on white, its even more critical that the setting is right. At the start from cold, i see dark areas as if i have too much contrast but then leaving it for 5 mins, it clams down and looks good. Version 1 software if not good for me, but version 2.056 is the best i have experienced so far.

regards,

Dean
ZL1COB

6123. Re: [orion565] Re: orion 1 screen

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-19 02:48:18 UTC
From: Fernando
Topic: 6066 Message: 6123

Hello.

By chance would this screen be the one used on the new Jupiter?

In complexity, how would you rate the replacement

for a non techy from a scale of 1 to 10?

The photo looks FB.

Fernando N2FQ/6
On Jun 18, 2010, at 3:20 PM, pa1ap wrote:

> Received the replacement LCD (only available when old LCD is
> defective) and installed it into the Orion 565... I am wearing sun
> classes from now on :-) Time will tell how it behaves, so far it is
> ok. I have uploaded a picture within the photos section, look for
> "now it is blue" folder.
>
> Some observations:
> 1) white on blue works well. I am happy with it.
> 2) blue on white is not so good, it has some refresh issues
> 3) it runs well on release 1 and even better on release 2 firmware
> 4) brand and documentation available on the internet, so finally we
> have technical docs on the screen & control
>
> Ten-tec has been very friendly providing excellent service. They
> warned about the refresh issue (jitter) when blue on white and
> shared this replacement is really intended for replacing defective
> screens only.
>
> cheers, onno
>
> --- In orion565@yahoogroups.com, Jim Koshmider <k8oz1@...> wrote:
>>
>> Very well, Dean -Â
>> Â
>> Thanks for the information.Â I will watch for your update(s).Â
>> Â
>> 73,Â
>> Â
>> Jim,Â K8OZÂ
>>
>>
>> --- On Tue, 6/1/10, Dean Cobussen <dean@...> wrote:
>>

>>
>> From: Dean Cobussen <dean@...>
>> Subject: Re: [orion565] orion 1 screen
>> To: orion565@yahoogroups.com
>> Date: Tuesday, June 1, 2010, 12:10 AM
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>>
>> Hi Jim, well i can tell you its exactly USD $150 plus shipping.
>>
>> Yes the original screen is very boring and this new blue LCD is a
>> glamour addition. I like the white text on blue, its impressive
>> contrast and lovely to look at. Although the blue text on white is
>> also much better than the original. When i sort the slow warm up, i
>> will post the solution.
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>> regards,
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>> Dean
>> ZL1COB
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6124. Re: orion 1 screen

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-19 08:06:05 UTC
From: pa1ap
Topic: 6066 Message: 6124

I don't know if this screen is used for Jupiter. Interesting to know if Jupiter has cold start contrast issue as well...There are a couple of things I noticed which might be valuable to know:

1) Just follow the mod V2 procedure to replace the screen works just fine
2) The screen is connected through a cable instead of the original connector. And here I found an issue. The original pins on the logic board are long and can touch the lcd pcb, causing all kind of funny things. I have included a layer of 4 pieces of tape to ensure the lcd pcb remains isolated...
3) yes, my screen has to warm up too.... I am back to the drawing board again to investigate whats going on... The good news is that the manufactor is known and schematics are known and I am comparing the specs with what the Orion offers to the screen. According the schematics the screen has on board negative power to use for contrast, this might be a way forward.
4) There is Jitter on the screen, especially when using blue on white. Since the Jitter depends on the firmware version this seems related to refresh sequence etc. White on Blue is much more stable to use.
5) Confirmed contrast has to be adjusted (a lot) when switching color scheme. This was also the case on my original screen, so that seems to be normal behavior. What I did notice is that the contrast setting area seems a lot smaller then the orginal screen. The difference between low and high contrast is just a small step on the contrast potentiometer.

On replacing the screen, well it is hard to judge how easy / difficult it is. You will need to follow the logic board modification procedure and ensure you remember which screw belongs where. I found it less complex then following an IKEA do it yourself instruction manual (I always have to much / little screws with that company).

cheers, onno

--- In orion565@...m, Fernando <n2fq@...> wrote:
>
> Hello.
>
> By chance would this screen be the one used on the new Jupiter?
>
> In complexity, how would you rate the replacement
>
> for a non techy from a scale of 1 to 10?
>
> The photo looks FB.
>
> Fernando N2FQ/6
> On Jun 18, 2010, at 3:20 PM, pa1ap wrote:
>
> > Received the replacement LCD (only available when old LCD is
> > defective) and installed it into the Orion 565... I am wearing sun

> > classes from now on :-) Time will tell how it behaves, so far it is
> > ok. I have uploaded a picture within the photos section, look for
> > "now it is blue" folder.
> >
> > Some observations:
> > 1) white on blue works well. I am happy with it.
> > 2) blue on white is not so good, it has some refresh issues
> > 3) it runs well on release 1 and even better on release 2 firmware
> > 4) brand and documentation available on the internet, so finally we
> > have technical docs on the screen & control
> >
> > Ten-tec has been very friendly providing excellent service. They
> > warned about the refresh issue (jitter) when blue on white and
> > shared this replacement is really intended for replacing defective
> > screens only.
> >
> > cheers, onno
> >
> > --- In orion565@yahoogroups.com, Jim Koshmider <k8oz1@> wrote:
> >>
> >> Very well, Dean -Â
> >> Â
> >> Thanks for the information.Â I will watch for your update(s).Â
> >> Â
> >> 73,Â
> >> Â
> >> Jim,Â K8OZÂ
> >>
> >>
> >> --- On Tue, 6/1/10, Dean Cobussen <dean@> wrote:
> >>
> >>
> >> From: Dean Cobussen <dean@>
> >> Subject: Re: [orion565] orion 1 screen
> >> To: orion565@yahoogroups.com
> >> Date: Tuesday, June 1, 2010, 12:10 AM
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> >>
> >> Hi Jim, well i can tell you its exactly USD $150 plus shipping.
> >>
> >> Yes the original screen is very boring and this new blue LCD is a
> >> glamour addition. I like the white text on blue, its impressive
> >> contrast and lovely to look at. Although the blue text on white is
> >> also much better than the original. When i sort the slow warm up, i
> >> will post the solution.
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> >> regards,
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> >> Dean
> >> ZL1COB
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6125. Re: orion 1 screen

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-19 08:42:28 UTC
From: pa1ap
Topic: 6066 Message: 6125

The contrast issue is actually described in the vendors documentation. Since the unit warms up it is expected lcd contrast to change. There is a simple circuit which will adjust contrast when temperature changes.

http://www.newhavendisplay.com/app_notes/Temperature_Compensation.pdf

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> I don't know if this screen is used for Jupiter. Interesting to know if Jupiter has cold start contrast issue as well...There are a couple of things I noticed which might be valuable to know:
>
> 1) Just follow the mod V2 procedure to replace the screen works just fine
> 2) The screen is connected through a cable instead of the original connector. And here I found an issue. The original pins on the logic board are long and can touch the lcd pcb, causing all kind of funny things. I have included a layer of 4 pieces of tape to ensure the lcd pcb remains isolated...
> 3) yes, my screen has to warm up too.... I am back to the drawing board again to investigate whats going on... The good news is that the manufactor is known and schematics are known and I am comparing the specs with what the Orion offers to the screen. According the schematics the screen has on board negative power to use for contrast, this might be a way forward.
> 4) There is Jitter on the screen, especially when using blue on white. Since the Jitter depends on the firmware version this seems related to refresh sequence etc. White on Blue is much more stable to use.
> 5) Confirmed contrast has to be adjusted (a lot) when switching color scheme. This was also the case on my original screen, so that seems to be normal behavior. What I did notice is that the contrast setting area seems a lot smaller then the orginal screen. The difference between low and high contrast is just a small step on the contrast potentiometer.
>
>
> On replacing the screen, well it is hard to judge how easy / difficult it is. You will need to follow the logic board modification procedure and ensure you remember which screw belongs where. I found it less complex then following an IKEA do it yourself instruction manual (I always have to much / little screws with that company).
>
> cheers, onno
>
>
> --- In orion565@yahoogroups.com, Fernando <n2fq@> wrote:
> >
> > Hello.
> >
> > By chance would this screen be the one used on the new Jupiter?

> >
> > In complexity, how would you rate the replacement
> >
> > for a non techy from a scale of 1 to 10?
> >
> > The photo looks FB.
> >
> > Fernando N2FQ/6
> > On Jun 18, 2010, at 3:20 PM, pa1ap wrote:
> >
> > > Received the replacement LCD (only available when old LCD is
> > > defective) and installed it into the Orion 565... I am wearing sun
> > > classes from now on :-) Time will tell how it behaves, so far it is
> > > ok. I have uploaded a picture within the photos section, look for
> > > "now it is blue" folder.
> > >
> > > Some observations:
> > > 1) white on blue works well. I am happy with it.
> > > 2) blue on white is not so good, it has some refresh issues
> > > 3) it runs well on release 1 and even better on release 2 firmware
> > > 4) brand and documentation available on the internet, so finally we
> > > have technical docs on the screen & control
> > >
> > > Ten-tec has been very friendly providing excellent service. They
> > > warned about the refresh issue (jitter) when blue on white and
> > > shared this replacement is really intended for replacing defective
> > > screens only.
> > >
> > > cheers, onno
> > >
> > > --- In orion565@yahoogroups.com, Jim Koshmider <k8oz1@> wrote:
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> > >> Very well, Dean -Â
> > >> Â
> > >> Thanks for the information.Â I will watch for your update(s).Â
> > >> Â
> > >> 73,Â
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> > >> Jim,Â K8OZÂ
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> > >>
> > >> --- On Tue, 6/1/10, Dean Cobussen <dean@> wrote:
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> > >> From: Dean Cobussen <dean@>
> > >> Subject: Re: [orion565] orion 1 screen
> > >> To: orion565@yahoogroups.com
> > >> Date: Tuesday, June 1, 2010, 12:10 AM
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> > >> Hi Jim, well i can tell you its exactly USD $150 plus shipping.
> > >>
> > >> Yes the original screen is very boring and this new blue LCD is a
> > >> glamour addition. I like the white text on blue, its impressive
> > >> contrast and lovely to look at. Although the blue text on white is
> > >> also much better than the original. When i sort the slow warm up, i
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6126. Re: orion 1 screen

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-19 15:11:47 UTC
From: pa1ap
Topic: 6066 Message: 6126

Making progress and it seems right now all we need to do is connect the correct NTC thermistor to the existing circuitry. I need to figure out the correct curve and the check what the best location would be to adjust the voltage towards contrast. This would also be a good modification for the black / white screen units which do show contrast variation...

From a design point of view I am getting the impression the screen is getting to warm at a certain point in time. Then contrast is not good anymore. This was also for the old screen.. Seems heat is building up within the unit and it cannot cool down. Easy to notice by touching the top of the rig and you will feel it is warm after 30 - 60 minutes. This is a second point of attention, to see if there is a way to have better screen cooling.

The document in the link has been very educational for me.

Best regards, Onno

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> The contrast issue is actually described in the vendors documentation. Since the unit warms up it is expected lcd contrast to change. There is a simple circuit which will adjust contrast when temperature changes.
>
> http://www.newhavendisplay.com/app_notes/Temperature_Compensation.pdf
>
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> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > I don't know if this screen is used for Jupiter. Interesting to know if Jupiter has cold start contrast issue as well...There are a couple of things I noticed which might be valuable to know:
> >
> > 1) Just follow the mod V2 procedure to replace the screen works just fine
> > 2) The screen is connected through a cable instead of the original connector. And here I found an issue. The original pins on the logic board are long and can touch the lcd pcb, causing all kind of funny things. I have included a layer of 4 pieces of tape to ensure the lcd pcb remains isolated...
> > 3) yes, my screen has to warm up too.... I am back to the drawing board again to investigate whats going on... The good news is that the manufactor is known and schematics are known and I am comparing the specs with what the Orion offers to the screen. According the schematics the screen has on board negative power to use for contrast, this might be a way forward.
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> > 5) Confirmed contrast has to be adjusted (a lot) when switching color scheme. This was

also the case on my original screen, so that seems to be normal behavior. What I did notice is that the contrast setting area seems a lot smaller then the orginal screen. The difference between low and high contrast is just a small step on the contrast potentiometer.
> >
> >
> > On replacing the screen, well it is hard to judge how easy / difficult it is. You will need to follow the logic board modification procedure and ensure you remember which screw belongs where. I found it less complex then following an IKEA do it yourself instruction manual (I always have to much / little screws with that company).
> >
> > cheers, onno
> >
> >
> > --- In orion565@yahoogroups.com, Fernando <n2fq@> wrote:
> > >
> > > Hello.
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> > > By chance would this screen be the one used on the new Jupiter?
> > >
> > > In complexity, how would you rate the replacement
> > >
> > > for a non techy from a scale of 1 to 10?
> > >
> > > The photo looks FB.
> > >
> > > Fernando N2FQ/6
> > > On Jun 18, 2010, at 3:20 PM, pa1ap wrote:
> > >
> > > > Received the replacement LCD (only available when old LCD is
> > > > defective) and installed it into the Orion 565... I am wearing sun
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> > > > ok. I have uploaded a picture within the photos section, look for
> > > > "now it is blue" folder.
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> > > > Some observations:
> > > > 1) white on blue works well. I am happy with it.
> > > > 2) blue on white is not so good, it has some refresh issues
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> > > > Ten-tec has been very friendly providing excellent service. They
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> > > > cheers, onno
> > > >
> > > > --- In orion565@yahoogroups.com, Jim Koshmider <k8oz1@> wrote:
> > > >>

> > > >> Very well, Dean -Â
> > > >> Â
> > > >> Thanks for the information.Â I will watch for your update(s).Â
> > > >> Â
> > > >> 73,Â
> > > >> Â
> > > >> Jim,Â K8OZÂ
> > > >>
> > > >>
> > > >> --- On Tue, 6/1/10, Dean Cobussen <dean@> wrote:
> > > >>
> > > >>
> > > >> From: Dean Cobussen <dean@>
> > > >> Subject: Re: [orion565] orion 1 screen
> > > >> To: orion565@yahoogroups.com
> > > >> Date: Tuesday, June 1, 2010, 12:10 AM
> > > >>
> > > >>
> > > >> Â
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> > > >>
> > > >> Hi Jim, well i can tell you its exactly USD $150 plus shipping.
> > > >>
> > > >> Yes the original screen is very boring and this new blue LCD is a
> > > >> glamour addition. I like the white text on blue, its impressive
> > > >> contrast and lovely to look at. Although the blue text on white is
> > > >> also much better than the original. When i sort the slow warm up, i
> > > >> will post the solution.
> > > >>
> > > >> regards,
> > > >>
> > > >> Dean
> > > >> ZL1COB
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6127. Re: [orion565] Re: orion 1 screen

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-19 16:22:57 UTC
From: Fernando
Topic: 6066 Message: 6127

Hello Onno

Thanks for taking the time give a detail response.

I should have looked and taken notice that the Jupiter Blue

screen is a different size to the Orion.

I have both sitting side by side.

However, still interested in your endeavor with

the Orion.

73 Fernando N2FQ

On Jun 19, 2010, at 1:06 AM, pa1ap wrote:

> I don't know if this screen is used for Jupiter. Interesting to know
> if Jupiter has cold start contrast issue as well...There are a
> couple of things I noticed which might be valuable to know:
>
> 1) Just follow the mod V2 procedure to replace the screen works just
> fine
> 2) The screen is connected through a cable instead of the original
> connector. And here I found an issue. The original pins on the logic
> board are long and can touch the lcd pcb, causing all kind of funny
> things. I have included a layer of 4 pieces of tape to ensure the
> lcd pcb remains isolated...
> 3) yes, my screen has to warm up too.... I am back to the drawing
> board again to investigate whats going on... The good news is that
> the manufactor is known and schematics are known and I am comparing
> the specs with what the Orion offers to the screen. According the
> schematics the screen has on board negative power to use for
> contrast, this might be a way forward.
> 4) There is Jitter on the screen, especially when using blue on
> white. Since the Jitter depends on the firmware version this seems
> related to refresh sequence etc. White on Blue is much more stable
> to use.
> 5) Confirmed contrast has to be adjusted (a lot) when switching
> color scheme. This was also the case on my original screen, so that
> seems to be normal behavior. What I did notice is that the contrast
> setting area seems a lot smaller then the orginal screen. The
> difference between low and high contrast is just a small step on the
> contrast potentiometer.
>
>

> On replacing the screen, well it is hard to judge how easy /
> difficult it is. You will need to follow the logic board
> modification procedure and ensure you remember which screw belongs
> where. I found it less complex then following an IKEA do it yourself
> instruction manual (I always have to much / little screws with that
> company).
>
> cheers, onno
>
>
> --- In orion565@yahoogroups.com, Fernando <n2fq@...> wrote:
>>
>> Hello.
>>
>> By chance would this screen be the one used on the new Jupiter?
>>
>> In complexity, how would you rate the replacement
>>
>> for a non techy from a scale of 1 to 10?
>>
>> The photo looks FB.
>>
>> Fernando N2FQ/6
>> On Jun 18, 2010, at 3:20 PM, pa1ap wrote:
>>
>>> Received the replacement LCD (only available when old LCD is
>>> defective) and installed it into the Orion 565... I am wearing sun
>>> classes from now on :-) Time will tell how it behaves, so far it is
>>> ok. I have uploaded a picture within the photos section, look for
>>> "now it is blue" folder.
>>>
>>> Some observations:
>>> 1) white on blue works well. I am happy with it.
>>> 2) blue on white is not so good, it has some refresh issues
>>> 3) it runs well on release 1 and even better on release 2 firmware
>>> 4) brand and documentation available on the internet, so finally we
>>> have technical docs on the screen & control
>>>
>>> Ten-tec has been very friendly providing excellent service. They
>>> warned about the refresh issue (jitter) when blue on white and
>>> shared this replacement is really intended for replacing defective
>>> screens only.
>>>
>>> cheers, onno
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>>> --- In orion565@yahoogroups.com, Jim Koshmider <k8oz1@> wrote:
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>>>> Very well, Dean -Â
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>>>> Thanks for the information.Â I will watch for your update(s).Â

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>>>> From: Dean Cobussen <dean@>
>>>> Subject: Re: [orion565] orion 1 screen
>>>> To: orion565@yahoogroups.com
>>>> Date: Tuesday, June 1, 2010, 12:10 AM
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>>>> Hi Jim, well i can tell you its exactly USD $150 plus shipping.
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>>>> contrast and lovely to look at. Although the blue text on white is
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>>>> ZL1COB
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6128. Re: orion 1 screen

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-19 22:34:12 UTC
From: pa1ap
Topic: 6066 Message: 6128

Greetings,

I have to order the components but I believe i have found a simple solution to the problem. I learned a lot from the application note :-)

Using one resistor and a thermistor it should be possible to make the contrast control adapting to the temperature of the crystals automatically.

Here is how;

1) on the logic board the lcd control is included. schematic 81917 A7
2) resistor R714 is the one I will connect the NTC and resistor too
3) NTC (6K8) and resistor (3K3) are in serie
4) combination will be mounted parallel to R714
5) NTC will be mounted at the top of the lcd screen (the back). Hope that is the right place, experimenting will be needed

Here is the background;

Following the screen document, when the lcd screen is cold, it requires more voltage to make the crystals happy. When it heats up, you need to reduce the voltage.

At cold start R714 needs to be as high as possible. When the NTC is cold (resistance high), it will have little influence on the total resistance. Voltage to screen will be highest. Draw the resistor chain and you will see what happens...

When temp rises, R714 needs to become smaller. The NTC will heat up and its resistance will drop. Voltage to the LCD screen will drop because of this.

Of course the R/T curve is important and with some tweaking on a spreadsheet I arrived at the following components;

6.8 k 2003 3980 ±3% B57891M0682+000 (Epcos)
and the 3K3 metalfilm resistor..

From what I understood in the document, for a temperature change between 15 and 25 celcius, the voltage needs to drop about 0,22 volt from the reference voltage. The combination NTC / resistor makes it compliant to this. For higher temps the same applies but at high (50+) the compensation will be a little lower then needed.

One things for sure, it is clearly explained in many documents (once you know what to look for) that all lcd screens suffer from temperature change due to crystal sensitivity and its normal that a temp sensing circuit is included to compensate for this... except for the orion 565...

Best regards, Onno

--- In orion565@yahoogroups.com, Fernando <n2fq@...> wrote:
>
> Hello Onno
>
> Thanks for taking the time give a detail response.
>
> I should have looked and taken notice that the Jupiter Blue
>
> screen is a different size to the Orion.
>
> I have both sitting side by side.
>
> However, still interested in your endeavor with
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> On Jun 19, 2010, at 1:06 AM, pa1ap wrote:
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> > I don't know if this screen is used for Jupiter. Interesting to know
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> > 1) Just follow the mod V2 procedure to replace the screen works just
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> > board are long and can touch the lcd pcb, causing all kind of funny
> > things. I have included a layer of 4 pieces of tape to ensure the
> > lcd pcb remains isolated...
> > 3) yes, my screen has to warm up too.... I am back to the drawing
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> > the manufactor is known and schematics are known and I am comparing
> > the specs with what the Orion offers to the screen. According the
> > schematics the screen has on board negative power to use for
> > contrast, this might be a way forward.
> > 4) There is Jitter on the screen, especially when using blue on
> > white. Since the Jitter depends on the firmware version this seems
> > related to refresh sequence etc. White on Blue is much more stable
> > to use.
> > 5) Confirmed contrast has to be adjusted (a lot) when switching
> > color scheme. This was also the case on my original screen, so that
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> > setting area seems a lot smaller then the orginal screen. The
> > difference between low and high contrast is just a small step on the

> > contrast potentiometer.
> >
> >
> > On replacing the screen, well it is hard to judge how easy /
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> > modification procedure and ensure you remember which screw belongs
> > where. I found it less complex then following an IKEA do it yourself
> > instruction manual (I always have to much / little screws with that
> > company).
> >
> > cheers, onno
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> >
> > --- In orion565@yahoogroups.com, Fernando <n2fq@> wrote:
> >>
> >> Hello.
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> >> By chance would this screen be the one used on the new Jupiter?
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> >> In complexity, how would you rate the replacement
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> >> for a non techy from a scale of 1 to 10?
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> >> The photo looks FB.
> >>
> >> Fernando N2FQ/6
> >> On Jun 18, 2010, at 3:20 PM, pa1ap wrote:
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> >>> Received the replacement LCD (only available when old LCD is
> >>> defective) and installed it into the Orion 565... I am wearing sun
> >>> classes from now on :-) Time will tell how it behaves, so far it is
> >>> ok. I have uploaded a picture within the photos section, look for
> >>> "now it is blue" folder.
> >>>
> >>> Some observations:
> >>> 1) white on blue works well. I am happy with it.
> >>> 2) blue on white is not so good, it has some refresh issues
> >>> 3) it runs well on release 1 and even better on release 2 firmware
> >>> 4) brand and documentation available on the internet, so finally we
> >>> have technical docs on the screen & control
> >>>
> >>> Ten-tec has been very friendly providing excellent service. They
> >>> warned about the refresh issue (jitter) when blue on white and
> >>> shared this replacement is really intended for replacing defective
> >>> screens only.
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> >>> cheers, onno
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> >>> --- In orion565@yahoogroups.com, Jim Koshmider <k8oz1@> wrote:
> >>>>

> >>>> Very well, Dean -Â
> >>>> Â
> >>>> Thanks for the information.Â I will watch for your update(s).Â
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> >>>> 73,Â
> >>>> Â
> >>>> Jim,Â K8OZÂ
> >>>>
> >>>>
> >>>> --- On Tue, 6/1/10, Dean Cobussen <dean@> wrote:
> >>>>
> >>>>
> >>>> From: Dean Cobussen <dean@>
> >>>> Subject: Re: [orion565] orion 1 screen
> >>>> To: orion565@yahoogroups.com
> >>>> Date: Tuesday, June 1, 2010, 12:10 AM
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> >>>>
> >>>> Â
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> >>>> Hi Jim, well i can tell you its exactly USD $150 plus shipping.
> >>>>
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> >>>> glamour addition. I like the white text on blue, its impressive
> >>>> contrast and lovely to look at. Although the blue text on white is
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> >>>> Dean
> >>>> ZL1COB
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6129. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-20 11:35:28 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 6129

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Orion 565 (1) LCD /contrast control.jpg
Uploaded by : pa1ap <pa1ap@...>
Description : Dynamic Contrast control experiment. In testing, not approved, at your own risk.

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/Orion%20565%20%281%29%20LCD%20/contrast%20control.jpg

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

6130. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-20 12:28:02 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 6130

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Orion 565 (1) LCD /orion lcd replacement.pdf
Uploaded by : pa1ap <pa1ap@...>
Description : Unofficial LCD replacement description

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/Orion%20565%20%281%29%20LCD%20/orion%20lcd%20
replacement.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

6131. Orion 2 front end overload

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-21 10:41:42 UTC
From: tc423239
Topic: 6131 Message: 6131

Just bought a used orion last week.. when i first hooked it up the s-meter light flickers, i thought it might have jarred something loose in bringing it home... I downloaded the new firmware, and now at times it seems as though i have the agc turned off, i'm using settings i got off here...
Is it possible i need to reseat boards or what....
Any info would be appreciated....
thanks
Terry

6132. Dragged out dahs on O1

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-22 10:25:04 UTC
From: dk4gkr
Topic: 6132 Message: 6132

Anyone seen long dahs when too many button are on? I was having a lot of QRN etc and played with all the button, forgot to turn them off, and the Orion I would drag out the dahs even when playing the send1-3? TT said I was over loading the processor? Interesting solution to me. tks rich

6133. Re: Orion 2 front end overload

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-22 12:33:14 UTC
From: Anthony
Topic: 6131 Message: 6133

I've found on several occasions, after a firmware update it is necessary to do a ram clear. I suspect variable locations get moved around a bit when the firmware is modified and what gets loaded (relatively dynamic data like AGC settings) isn't exactly what it seems. A firmware update does not seem to clear memory locations, so whatever junk might be there is often still there.

It would probably be a good idea to do a master reset and then the ram clear. You might want to jot down any settings you have changed so you can re-enter them once the resets are done. You will need to redo any CW or Voice memory recordings afterward.

I would check things before making any setting adjustments (after the resets), just to be sure everything is working as it should with the defaults.

You can check here for the reset procedures:

http://wiki.contesting.com/index.php/Category:TenTec_Orion

--- In orion565@yahoogroups.com, "tc423239" <tc423239@...> wrote:
>
> Just bought a used orion last week.. when i first hooked it up the s-meter light flickers, i thought it might have jarred something loose in bringing it home... I downloaded the new firmware, and now at times it seems as though i have the agc turned off, i'm using settings i got off here...
> Is it possible i need to reseat boards or what....
> Any info would be appreciated....
> thanks
> Terry
>

6134. Re: Orion 2 front end overload

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-22 14:23:02 UTC
From: k1fpv
Topic: 6131 Message: 6134

Good Morning!

I'm a bit surprised because, each time I've updated my Orion II's firmware, my memories get cleared out. I have to re-set them each time. After reading all the positive comments regarding the new update 2.044A, I updated my Orion II this weekend. Sure enough, My memories were wiped out along with all the menu settings. Fortunately, I keep a sheet of paper in my owners manual with all the current settings I use and was able to quickly restore them.

The only complaint I have with this update is occasionally when I have the automatic notch on, I get a low level audio distorted noise with the receiver. It doesn't always happen and when it does, it happens so infrequently that it really isn't disturbing. I use the automatic notch most of the time when I use my Orion II as an IF for my VHF & UHF transverters. The Orion is a super IF setup for transverters.

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "Anthony" <adb1x1@...> wrote:
>
> I've found on several occasions, after a firmware update it is necessary to do a ram clear. I suspect variable locations get moved around a bit when the firmware is modified and what gets loaded (relatively dynamic data like AGC settings) isn't exactly what it seems. A firmware update does not seem to clear memory locations, so whatever junk might be there is often still there.
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> You can check here for the reset procedures:
>
> http://wiki.contesting.com/index.php/Category:TenTec_Orion
>
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>
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> --- In orion565@yahoogroups.com, "tc423239" <tc423239@> wrote:
> >
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> > Is it possible i need to reseat boards or what....
> > Any info would be appreciated....
> > thanks
> > Terry
> >
>

6135. RE: [orion565] Re: Orion 2 front end overload

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-22 15:02:24 UTC
From: Andrew B. Steen
Topic: 6131 Message: 6135

Good morning Bill. I am interested in your intermittent ANF distortion. On my Orion II (which I bought new), the ANF is totally unusable on SSB. The speech is totally garbled. While I suspect that ANF is primarily a CW function, my Yaesu FT 100 MP MK V does not distort on voice mode.

73, Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of k1fpv
Sent: Tuesday, June 22, 2010 7:23 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion 2 front end overload

Good Morning!

I'm a bit surprised because, each time I've updated my Orion II's firmware, my memories get cleared out. I have to re-set them each time. After reading all the positive comments regarding the new update 2.044A, I updated my Orion II this weekend. Sure enough, My memories were wiped out along with all the menu settings. Fortunately, I keep a sheet of paper in my owners manual with all the current settings I use and was able to quickly restore them.

The only complaint I have with this update is occasionally when I have the automatic notch on, I get a low level audio distorted noise with the receiver. It doesn't always happen and when it does, it happens so infrequently that it really isn't disturbing. I use the automatic notch most of the time when I use my Orion II as an IF for my VHF & UHF transverters. The Orion is a super IF setup for transverters.

73,
Bill/K1FPV

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "Anthony" <adb1x1@...> wrote:
>
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> > Is it possible i need to reseat boards or what....
> > Any info would be appreciated....
> > thanks
> > Terry
> >
>

[Non-text portions of this message have been removed]

6136. Re: Orion 2 front end overload

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-22 16:35:12 UTC
From: k1fpv
Topic: 6131 Message: 6136

Hi Andrew,

Well, I get the noise with the distortion in both SSB and CW. I don't use it on CW (just tried it out for grins and giggles on CW), but when I monitor 50.125 mHz, I notice the noise and distortion come and go periodically. My transverters all use 28 mHz. as the IF. Unfortunately, there are a number of birdies that it gets rid of, but the periodic noise and distortion are aggravating.

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@...> wrote:
>
> Good morning Bill. I am interested in your intermittent ANF distortion. On
> my Orion II (which I bought new), the ANF is totally unusable on SSB. The
> speech is totally garbled. While I suspect that ANF is primarily a CW
> function, my Yaesu FT 100 MP MK V does not distort on voice mode.
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> K6STN
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> _____
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> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of k1fpv
> Sent: Tuesday, June 22, 2010 7:23 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Orion 2 front end overload
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> of the time when I use my Orion II as an IF for my VHF & UHF transverters.
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> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
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> > You can check here for the reset procedures:
> >
> > http://wiki.contesting.com/index.php/Category:TenTec_Orion
> >
> >
> >
> >
> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
> "tc423239" <tc423239@> wrote:
> > >
> > > Just bought a used orion last week.. when i first hooked it up the
> s-meter light flickers, i thought it might have jarred something loose in
> bringing it home... I downloaded the new firmware, and now at times it seems
> as though i have the agc turned off, i'm using settings i got off here...
> > > Is it possible i need to reseat boards or what....
> > > Any info would be appreciated....
> > > thanks
> > > Terry
> > >
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> [Non-text portions of this message have been removed]
>

6137. Re: Orion 2 front end overload

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-22 17:27:54 UTC
From: toby423p
Topic: 6131 Message: 6137

I agree, when the AN is turned on to get rid of a carrier signal, it introduces a lot of distortion in the received SSB signal. This needs fixing as it is unusuable in it present condition.

I sent a not to ditsnbits and made a report, I am sure they are aware of this problem by now.

Toby W4CAK

--- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@...> wrote:
>
> Good morning Bill. I am interested in your intermittent ANF distortion. On
> my Orion II (which I bought new), the ANF is totally unusable on SSB. The
> speech is totally garbled. While I suspect that ANF is primarily a CW
> function, my Yaesu FT 100 MP MK V does not distort on voice mode.
>
> 73, Andrew
>
> K6STN
>
>
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of k1fpv
> Sent: Tuesday, June 22, 2010 7:23 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Orion 2 front end overload
>
>
>
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>
>
> Good Morning!
>
> I'm a bit surprised because, each time I've updated my Orion II's firmware,
> my memories get cleared out. I have to re-set them each time. After reading
> all the positive comments regarding the new update 2.044A, I updated my
> Orion II this weekend. Sure enough, My memories were wiped out along with
> all the menu settings. Fortunately, I keep a sheet of paper in my owners
> manual with all the current settings I use and was able to quickly restore
> them.
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> The only complaint I have with this update is occasionally when I have the
> automatic notch on, I get a low level audio distorted noise with the

> receiver. It doesn't always happen and when it does, it happens so
> infrequently that it really isn't disturbing. I use the automatic notch most
> of the time when I use my Orion II as an IF for my VHF & UHF transverters.
> The Orion is a super IF setup for transverters.
>
> 73,
> Bill/K1FPV
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
> "Anthony" <adb1x1@> wrote:
> >
> > I've found on several occasions, after a firmware update it is necessary
> to do a ram clear. I suspect variable locations get moved around a bit when
> the firmware is modified and what gets loaded (relatively dynamic data like
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>
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>

6138. Re: [orion565] Re: Orion 2 front end overload

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-22 18:33:32 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6131 Message: 6138

Thanks for the heads up, I was just getting ready to install however I use the AN all the time. This would be unacceptable and I would have to go right back to 2.039d. You've saved me valuable time!

73,
Sam
K3SAM

From: toby423p <toby423@embarqmail.com>
To: orion565@yahoogroups.com
Sent: Tue, June 22, 2010 1:27:54 PM
Subject: [orion565] Re: Orion 2 front end overload

I agree, when the AN is turned on to get rid of a carrier signal, it introduces a lot of distortion in the received SSB signal. This needs fixing as it is unusable in it present condition.

I sent a not to ditsnbits and made a report, I am sure they are aware of this problem by now.

Toby W4CAK

--- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@...> wrote:
>
> Good morning Bill. I am interested in your intermittent ANF distortion. On
> my Orion II (which I bought new), the ANF is totally unusable on SSB. The
> speech is totally garbled. While I suspect that ANF is primarily a CW
> function, my Yaesu FT 100 MP MK V does not distort on voice mode.
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> 73, Andrew
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> K6STN
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> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of k1fpv
> Sent: Tuesday, June 22, 2010 7:23 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Orion 2 front end overload
>
>
>
>

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> Good Morning!
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> I'm a bit surprised because, each time I've updated my Orion II's firmware,
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> manual with all the current settings I use and was able to quickly restore
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> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
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6139. Re: Orion 2 front end overload

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-22 19:20:37 UTC
From: toby423p
Topic: 6131 Message: 6139

On the other hand, the NR has been improved considerably in 44A!

So, choose you own poison!

Toby W4CAK

--- In orion565@yahoogroups.com, "Sam W. Jacobs, C.E.T." <Sam@...> wrote:
>
> Thanks for the heads up, I was just getting ready to install however I use the AN all the time.Â This would be unacceptable and I would have to go right back to 2.039d.Â You've saved meÂ valuable time!
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> 73,
> Sam
> K3SAM
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> _____
> From: toby423p <toby423@...>
> To: orion565@yahoogroups.com
> Sent: Tue, June 22, 2010 1:27:54 PM
> Subject: [orion565] Re: Orion 2 front end overload
>
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> I agree, when the AN is turned on to get rid of a carrier signal, it introduces a lot of distortion in the received SSB signal. This needs fixing as it is unusuable in it present condition.
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> I sent a not to ditsnbits and made a report, I am sure they are aware of this problem by now.
>
> Toby W4CAK
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> --- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@> wrote:
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> > Good morning Bill. I am interested in your intermittent ANF distortion. On
> > my Orion II (which I bought new), the ANF is totally unusable on SSB. The
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> > K6STN

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> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > Of k1fpv
> > Sent: Tuesday, June 22, 2010 7:23 AM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] Re: Orion 2 front end overload
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> >
> > 73,
> > Bill/K1FPV
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> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
> > "Anthony" <adb1x1@> wrote:
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> > > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
> > "tc423239" <tc423239@> wrote:
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> > > > Just bought a used orion last week.. when i first hooked it up the
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> > as though i have the agc turned off, i'm using settings i got off here...
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6140. Re: Orion 2 front end overload

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-22 20:27:11 UTC
From: k1fpv
Topic: 6131 Message: 6140

I'm with you Toby. I like the new noise reduction...it is less tiring than the older one....but the AN does need fixing. I usually use the regular notch and tune it to the frequency of the offending heterodyne. There is no problem with the manual notch. Seeing you let Ten-Tec know on dits & bits, they know about it. Now we just have to wait for the updates fixing this issue.

Bill/K1FPV

--- In orion565@yahoogroups.com, "toby423p" <toby423@...> wrote:
>
> On the other hand, the NR has been improved considerably in 44A!
>
> So, choose you own poison!
>
> Toby W4CAK
>
>
>
>
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> --- In orion565@yahoogroups.com, "Sam W. Jacobs, C.E.T." <Sam@> wrote:
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> > 73,
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> > K3SAM
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> > From: toby423p <toby423@>
> > To: orion565@yahoogroups.com
> > Sent: Tue, June 22, 2010 1:27:54 PM
> > Subject: [orion565] Re: Orion 2 front end overload
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> > I agree, when the AN is turned on to get rid of a carrier signal, it introduces a lot of distortion in the received SSB signal. This needs fixing as it is unusuable in it present condition.
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> > I sent a not to ditsnbits and made a report, I am sure they are aware of this problem by now.
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> > Toby W4CAK
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> > --- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@> wrote:
> > >
> > > Good morning Bill. I am interested in your intermittent ANF distortion. On
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> > > speech is totally garbled. While I suspect that ANF is primarily a CW
> > > function, my Yaesu FT 100 MP MK V does not distort on voice mode.
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> > >
> > > K6STN
> > >
> > >
> > >
> > > _____
> > >
> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > > Of k1fpv
> > > Sent: Tuesday, June 22, 2010 7:23 AM
> > > To: orion565@yahoogroups.com
> > > Subject: [orion565] Re: Orion 2 front end overload
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> > >
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> > >
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> > > Good Morning!
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> > [Non-text portions of this message have been removed]
> >
>

6141. RE: [orion565] Re: Orion 2 front end overload

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-22 21:54:24 UTC
From: Andrew B. Steen
Topic: 6131 Message: 6141

I agree with all. I also use the manual notch and it works well. I see a vast improvement in the NR also. We are getting there!

73,

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of k1fpv
Sent: Tuesday, June 22, 2010 1:27 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion 2 front end overload

I'm with you Toby. I like the new noise reduction...it is less tiring than the older one....but the AN does need fixing. I usually use the regular notch and tune it to the frequency of the offending heterodyne. There is no problem with the manual notch. Seeing you let Ten-Tec know on dits & bits, they know about it. Now we just have to wait for the updates fixing this issue.

Bill/K1FPV

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "toby423p" <toby423@...> wrote:
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> > > K6STN
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Behalf
> > > Of k1fpv
> > > Sent: Tuesday, June 22, 2010 7:23 AM
> > > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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> > > > You can check here for the reset procedures:
> > > >
> > > > http://wiki.contesting.com/index.php/Category:TenTec_Orion
> > > >
> > > >
> > > >
> > > >
> > > > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com> ,
> > > "tc423239" <tc423239@> wrote:
> > > > >
> > > > > Just bought a used orion last week.. when i first hooked it up the
> > > s-meter light flickers, i thought it might have jarred something loose
in
> > > bringing it home... I downloaded the new firmware, and now at times it
seems
> > > as though i have the agc turned off, i'm using settings i got off
here...
> > > > > Is it possible i need to reseat boards or what....
> > > > > Any info would be appreciated....
> > > > > thanks
> > > > > Terry
> > > > >
> > > >
> > >
> > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

[Non-text portions of this message have been removed]

6142. Re: Orion 2 Firmware 2.044A Released

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-26 16:37:26 UTC
From: ne7x
Topic: 6102 Message: 6142

John Henry, KI4JPL

I performed the update to my Orion-II, S/N: 06C10225, and it seams to work perfect so far, no issues doing the upgrade, and no issues after. Made over 200+ Qs, and I'm getting perfect transmit audio reports. Thanks for the updated.

Thomas NE7X...
http://ne7x.com

--- In orion565@yahoogroups.com, "John" <jshenry1963@...> wrote:
>
> We have released a new set of firmware for the Orion 2.
> This addresses mainly the NR issues and partially addresses the SPOT Tone issues.
> Feedback is welcome on these or other features, only makes the rig better for everyone.
> If new issues arise, please feel free to post them to ditsnbits at tentec.com.
>
> Thank you,
> John Henry, KI4JPL
> TenTec Engineering
>

6143. Re: Orion 2 Firmware 2.044A Released

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-27 22:40:49 UTC
From: chris
Topic: 6102 Message: 6143

--- In orion565@yahoogroups.com, "ne7x" <mayo@...> wrote:
>
> John Henry, KI4JPL
>
> I performed the update to my Orion-II, S/N: 06C10225, and it seams to work perfect so far, no issues doing the upgrade, and no issues after. Made over 200+ Qs, and I'm getting perfect transmit audio reports. Thanks for the updated.
>
> Thomas NE7X...
> http://ne7x.com
>
>
>
> --- In orion565@yahoogroups.com, "John" <jshenry1963@> wrote:
> >
> > We have released a new set of firmware for the Orion 2.
> > This addresses mainly the NR issues and partially addresses the SPOT Tone issues.
> > Feedback is welcome on these or other features, only makes the rig better for everyone.
> > If new issues arise, please feel free to post them to ditsnbits at tentec.com.
> >
> > Thank you,
> > John Henry, KI4JPL
> > TenTec Engineering
> >
>
With the new firmware i have had 1 crash running as normal on the volume on vfoa same as encountered with earlier versions, and one big lockup when using HRD.
M0ZOL Plymouth England

6144. 565 Orion Main Receiver Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-28 14:08:17 UTC
From: n4dd
Topic: 6144 Message: 6144

Gentlemen,

I encountered a problem with one of my 565 Orions during Field Day this weekend. The main receiver lost reception on 80 meters. The other bands worked fine I did a master reset with no improvement. I then did a ROM clear followed by a master reset only to find all of the bands dead on the main receiver. The sub receiver still receives as usual. I put the second Orion in line, and it worked properly. Should I try to flash the firmware in the troublesome Orion, and will that make a difference, or does someone have another suggestion. Thanks in advance for any guidance.

6145. Re: [orion565] 565 Orion Main Receiver Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-28 14:33:19 UTC
From: mcelmer1
Topic: 6144 Message: 6145

I had the same problem with my Orion 565. It took several RAM and master resets, at least 5, to bring the main receiver back to life.

About 3 months ago, I sent the Orion to Tentec for that problem and new display. Of course, they could not duplicate the main receiver problem.

Mike
W8TRN
----- Original Message -----
From: n4dd
To: orion565@yahoogroups.com
Sent: Monday, June 28, 2010 08:08
Subject: [orion565] 565 Orion Main Receiver Problem

Gentlemen,

I encountered a problem with one of my 565 Orions during Field Day this weekend. The main receiver lost reception on 80 meters. The other bands worked fine I did a master reset with no improvement. I then did a ROM clear followed by a master reset only to find all of the bands dead on the main receiver. The sub receiver still receives as usual. I put the second Orion in line, and it worked properly. Should I try to flash the firmware in the troublesome Orion, and will that make a difference, or does someone have another suggestion. Thanks in advance for any guidance.

[Non-text portions of this message have been removed]

6146. Re: [orion565] 565 Orion Main Receiver Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-28 14:57:06 UTC
From: James Streible
Topic: 6144 Message: 6146

Try a reload of the software and a ram clear.

Jim K4DLI

n4dd wrote:
>
> Gentlemen,
>
> I encountered a problem with one of my 565 Orions during Field Day
> this weekend. The main receiver lost reception on 80 meters. The other
> bands worked fine I did a master reset with no improvement. I then did
> a ROM clear followed by a master reset only to find all of the bands
> dead on the main receiver. The sub receiver still receives as usual. I
> put the second Orion in line, and it worked properly. Should I try to
> flash the firmware in the troublesome Orion, and will that make a
> difference, or does someone have another suggestion. Thanks in advance
> for any guidance.
>
>

[Non-text portions of this message have been removed]

6147. RE: [orion565] 565 Orion Main Receiver Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-28 14:58:34 UTC
From: Robert Carroll
Topic: 6144 Message: 6147

One of my irritations with TenTec service is that in my experience if you don't have a hard fault you will get a "no trouble found" even if the fault shows up frequently. I have experienced this many times over the many trips my Orion has made back to the mother ship. I recently had the 565 back for the "RIT cure." The RIT is ok so far, but having lived with this for years and over two Orions, I know not to count my chickens. To date, Jack told me they still have not seen a RIT fault in the repair shop. Since the problem with the 565 seems to be more like a 95% one than a 5% one, I am amazed-though I believe Jack. I think they simply cannot afford to try to track down such a will of the wisp which disappears with vibration, panel pressure, or any other possibly unrelated operation.

This time when the 565 went back I was also experiencing power instability-and had at increasing frequency. No trouble found. I suspect I will see the problem again-not a good one when you are driving an amp at 1500W. The Orion would jump from say 50w drive to 110W-nasty.

73

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of mcelmer1
Sent: Monday, June 28, 2010 10:33 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] 565 Orion Main Receiver Problem

I had the same problem with my Orion 565. It took several RAM and master resets, at least 5, to bring the main receiver back to life.

About 3 months ago, I sent the Orion to Tentec for that problem and new display. Of course, they could not duplicate the main receiver problem.

Mike
W8TRN
----- Original Message -----
From: n4dd
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Sent: Monday, June 28, 2010 08:08
Subject: [orion565] 565 Orion Main Receiver Problem

Gentlemen,

I encountered a problem with one of my 565 Orions during Field Day this weekend. The main receiver lost reception on 80 meters. The other bands worked fine I did a master reset with no improvement. I then did a ROM clear followed by a master reset only to find all of the bands dead on the main

receiver. The sub receiver still receives as usual. I put the second Orion in line, and it worked properly. Should I try to flash the firmware in the troublesome Orion, and will that make a difference, or does someone have another suggestion. Thanks in advance for any guidance.

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.830 / Virus Database: 271.1.1/2968 - Release Date: 06/28/10 02:37:00

[Non-text portions of this message have been removed]

6148. RE: [orion565] 565 Orion Main Receiver Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-28 15:23:22 UTC
From: John T. Fleming
Topic: 6144 Message: 6148

I have found that if you press along the curved area between the buttons and the display on the side starting with the menu button and the problem disappears, the problem is the oxidation of the connector mounted behind the buttons. That is how the signals are sent from the from panel to the CPU board. If the problem temporarily disappears when this is done, you need to use Deoxit cleaner and Deoxit protector on the pins and connector. I did that recently to my Orion and so far all is well. I will keep checking it. If no problems again for ten years, I know I found it! :-{

73

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Robert Carroll
Sent: Monday, June 28, 2010 10:59 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] 565 Orion Main Receiver Problem

One of my irritations with TenTec service is that in my experience if you don't have a hard fault you will get a "no trouble found" even if the fault shows up frequently. I have experienced this many times over the many trips my Orion has made back to the mother ship. I recently had the 565 back for the "RIT cure." The RIT is ok so far, but having lived with this for years and over two Orions, I know not to count my chickens. To date, Jack told me they still have not seen a RIT fault in the repair shop. Since the problem with the 565 seems to be more like a 95% one than a 5% one, I am amazed-though I believe Jack. I think they simply cannot afford to try to track down such a will of the wisp which disappears with vibration, panel pressure, or any other possibly unrelated operation.

This time when the 565 went back I was also experiencing power instability-and had at increasing frequency. No trouble found. I suspect I will see the problem again-not a good one when you are driving an amp at 1500W. The Orion would jump from say 50w drive to 110W-nasty.

73

Bob W2WG

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of mcelmer1
Sent: Monday, June 28, 2010 10:33 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] 565 Orion Main Receiver Problem

I had the same problem with my Orion 565. It took several RAM and master resets, at least 5, to bring the main receiver back to life.

About 3 months ago, I sent the Orion to Tentec for that problem and new display. Of course, they could not duplicate the main receiver problem.

Mike
W8TRN
----- Original Message -----
From: n4dd
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
Sent: Monday, June 28, 2010 08:08
Subject: [orion565] 565 Orion Main Receiver Problem

Gentlemen,

I encountered a problem with one of my 565 Orions during Field Day this weekend. The main receiver lost reception on 80 meters. The other bands worked fine I did a master reset with no improvement. I then did a ROM clear followed by a master reset only to find all of the bands dead on the main receiver. The sub receiver still receives as usual. I put the second Orion in line, and it worked properly. Should I try to flash the firmware in the troublesome Orion, and will that make a difference, or does someone have another suggestion. Thanks in advance for any guidance.

[Non-text portions of this message have been removed]

6149. 565 Orion Main Receiver Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-28 22:25:14 UTC
From: Dean Cobussen
Topic: 6144 Message: 6149

I have experienced a "dead" radio with some kind of digital break-through.. slight popping in the speaker.. and quite a few times. But only on Version 2.063 - it tends to be when i play with the notch filter and or switching from AF to RF AGC and back.

While i have been working with Onno on the new blue LCD issues, (which has some minor contrast & heating problems) i have been operating on 1.372 and had none of this. I am sure 2.056 was fine also. I have done alot of swapping around with screen-work over weeks and weeks of trials and everytime i get this "dead" issue (with all lights on of course) it occurs with the version 2.063 only. However, these are the symptoms i have had and may not be related to this particular issue.

I would be safe to say, that what i am seeing with all this testing and experimenting, will be found in alot of radios. It is not a connector issue either, which was initially suggested to me. However, what your all talking about, may well be. Needless to say, I thought this was worth mentioning. Mine can be cured from multiple on/off attempts, which indicates a software lock up of some sort. However, as i said, i get none of this on 1.372 or 2.056.

Hope this is of use

regards,

Dean
ZL1COB

6150. Re: 565 Orion Main Receiver Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-29 01:19:06 UTC
From: bcbcfd
Topic: 6144 Message: 6150

I had some problems while using the 2.063 firmware and was told by Tentec when I called them I believe that this was a Beta version and I should use 2.062a. I switched back and have had no problems since. You might want to try this firmware version and see if it helps.

Len, K3LJ

--- In orion565@yahoogroups.com, Dean Cobussen <dean@...> wrote:
>
> I have experienced a "dead" radio with some kind of digital break-
> through.. slight popping in the speaker.. and quite a few times. But
> only on Version 2.063 - it tends to be when i play with the notch
> filter and or switching from AF to RF AGC and back.
>
> While i have been working with Onno on the new blue LCD issues, (which
> has some minor contrast & heating problems) i have been operating on
> 1.372 and had none of this. I am sure 2.056 was fine also. I have done
> alot of swapping around with screen-work over weeks and weeks of
> trials and everytime i get this "dead" issue (with all lights on of
> course) it occurs with the version 2.063 only. However, these are the
> symptoms i have had and may not be related to this particular issue.
>
> I would be safe to say, that what i am seeing with all this testing
> and experimenting, will be found in alot of radios. It is not a
> connector issue either, which was initially suggested to me. However,
> what your all talking about, may well be. Needless to say, I thought
> this was worth mentioning. Mine can be cured from multiple on/off
> attempts, which indicates a software lock up of some sort. However, as
> i said, i get none of this on 1.372 or 2.056.
>
> Hope this is of use
>
> regards,
>
> Dean
> ZL1COB
>

6151. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-06-30 20:51:48 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 6151

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /LP_PAN.pdf
Uploaded by : ve7tk <ve7tk@...>
Description : Orion/LP-Pan/N4PY Set-up (Updated June 2010)

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/LP_PAN.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

ve7tk <ve7tk@...>

6152. Re: [orion565] Re: 565 Orion Main Receiver Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-01 00:00:24 UTC
From: Dean Cobussen
Topic: 6144 Message: 6152

Len, 2.062 has distortion issues which i hear oh too well so i dont use it. However 2.056 is fine.

regards,

Dean
ZL1COB

On 29/06/2010, at 1:19 PM, bcbcfd wrote:

> I had some problems while using the 2.063 firmware and was told by
> Tentec when I called them I believe that this was a Beta version and
> I should use 2.062a. I switched back and have had no problems since.
> You might want to try this firmware version and see if it helps.
>
> Len, K3LJ
>
> --- In orion565@yahoogroups.com, Dean Cobussen <dean@...> wrote:
> >
> > I have experienced a "dead" radio with some kind of digital break-
> > through.. slight popping in the speaker.. and quite a few times. But
> > only on Version 2.063 - it tends to be when i play with the notch
> > filter and or switching from AF to RF AGC and back.
> >
> > While i have been working with Onno on the new blue LCD issues,
> (which
> > has some minor contrast & heating problems) i have been operating on
> > 1.372 and had none of this. I am sure 2.056 was fine also. I have
> done
> > alot of swapping around with screen-work over weeks and weeks of
> > trials and everytime i get this "dead" issue (with all lights on of
> > course) it occurs with the version 2.063 only. However, these are
> the
> > symptoms i have had and may not be related to this particular issue.
> >
> > I would be safe to say, that what i am seeing with all this testing
> > and experimenting, will be found in alot of radios. It is not a
> > connector issue either, which was initially suggested to me.
> However,
> > what your all talking about, may well be. Needless to say, I thought
> > this was worth mentioning. Mine can be cured from multiple on/off
> > attempts, which indicates a software lock up of some sort.
> However, as
> > i said, i get none of this on 1.372 or 2.056.
> >
> > Hope this is of use

> >
> > regards,
> >
> > Dean
> > ZL1COB
> >
>
>
>

6153. Re: [orion565] New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-02 02:14:33 UTC
From: Dirk Matuska
Topic: 222 Message: 6153

speaking of junk does anyone want to buy a 565 tuner and all filters with mic?
I can't stand this rig!!!! I wish I had my ft1000 mp back

Dirk A. Matuska
W9OSI 73's

From: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Wed, June 30, 2010 3:51:48 PM
Subject: [orion565] New file uploaded to orion565

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /LP_PAN.pdf
Uploaded by : ve7tk <ve7tk@...>
Description : Orion/LP-Pan/N4PY Set-up (Updated June 2010)

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/LP_PAN.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

ve7tk <ve7tk@...>

[Non-text portions of this message have been removed]

6154. Re: [orion565] New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-02 02:26:15 UTC
From: Dean Cobussen
Topic: 222 Message: 6154

If its junk it must be going cheap. What do you want for it?

Dean
ZL1COB

On 2/07/2010, at 2:14 PM, Dirk Matuska wrote:

> speaking of junk does anyone want to buy a 565 tuner and all filters
> with mic?
> I can't stand this rig!!!! I wish I had my ft1000 mp back
>
> Dirk A. Matuska
> W9OSI 73's
>
> _____
> From: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
> To: orion565@yahoogroups.com
> Sent: Wed, June 30, 2010 3:51:48 PM
> Subject: [orion565] New file uploaded to orion565
>
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the orion565
> group.
>
> File : /LP_PAN.pdf
> Uploaded by : ve7tk <ve7tk@...>
> Description : Orion/LP-Pan/N4PY Set-up (Updated June 2010)
>
> You can access this file at the URL:
> http://groups.yahoo.com/group/orion565/files/LP_PAN.pdf
>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles
>
> Regards,
>
> ve7tk <ve7tk@...>
>
> [Non-text portions of this message have been removed]
>
>
>

6155. Front end overload again

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-07 15:45:55 UTC
From: tc423239
Topic: 6155 Message: 6155

I've tried master reset, ram clear several times....
using 2.044, slow agc, hang .21, decay 10 db, threshold 1.00
slope on 2.10, when i get a signal that is 50 to 60 over the front end overloads, and the audio is distorted....
if i set the slope to flat the audio is just fine....
anyone having this problem or do you have any suggestions...
thanks
Terry WD4OUM

6156. Re: [orion565] Front end overload again

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-07 16:42:41 UTC
From: Barry N1EU
Topic: 6155 Message: 6156

Sorry if this is a dumb question, but have you tried turning the RF Gain way down?

Barry N1EU

On Wed, Jul 7, 2010 at 3:45 PM, tc423239 <tc423239@yahoo.com> wrote:

>
>
> I've tried master reset, ram clear several times....
> using 2.044, slow agc, hang .21, decay 10 db, threshold 1.00
> slope on 2.10, when i get a signal that is 50 to 60 over the front end
> overloads, and the audio is distorted....
> if i set the slope to flat the audio is just fine....
> anyone having this problem or do you have any suggestions...
> thanks
> Terry WD4OUM
>
>
>

[Non-text portions of this message have been removed]

6157. Re: Front end overload again

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-07 18:38:52 UTC
From: tc423239
Topic: 6155 Message: 6157

yes, but this should not be necessary...
i had an orion 1 and did not have this problem....

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Sorry if this is a dumb question, but have you tried turning the RF Gain way
> down?
>
> Barry N1EU
>
> On Wed, Jul 7, 2010 at 3:45 PM, tc423239 <tc423239@...> wrote:
>
> >
> >
> > I've tried master reset, ram clear several times....
> > using 2.044, slow agc, hang .21, decay 10 db, threshold 1.00
> > slope on 2.10, when i get a signal that is 50 to 60 over the front end
> > overloads, and the audio is distorted....
> > if i set the slope to flat the audio is just fine....
> > anyone having this problem or do you have any suggestions...
> > thanks
> > Terry WD4OUM
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

6158. RE: [orion565] Re: Front end overload again

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-07 18:48:32 UTC
From: Robert Carroll
Topic: 6155 Message: 6158

Different firmware versions affect just how much RF gain is present, but having had several Orion I's and just about every firmware load available, my experience is that there is more RF gain available than you are ever going to need-and that if you do run it wide open you were going to be very unhappy with the results. One of the main complaints (noisy, distorted etc) by new users of the Orion I turned out to be due to the fact that you should not run the RF gain wide open.

73

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of tc423239
Sent: Wednesday, July 07, 2010 2:39 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Front end overload again

yes, but this should not be necessary...
i had an orion 1 and did not have this problem....

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , Barry N1EU <barry.n1eu@...> wrote:
>
> Sorry if this is a dumb question, but have you tried turning the RF Gain way
> down?
>
> Barry N1EU
>
> On Wed, Jul 7, 2010 at 3:45 PM, tc423239 <tc423239@...> wrote:
>
> >
> >
> > I've tried master reset, ram clear several times....
> > using 2.044, slow agc, hang .21, decay 10 db, threshold 1.00
> > slope on 2.10, when i get a signal that is 50 to 60 over the front end
> > overloads, and the audio is distorted....
> > if i set the slope to flat the audio is just fine....
> > anyone having this problem or do you have any suggestions...
> > thanks
> > Terry WD4OUM
> >
> >
> >
>

>
> [Non-text portions of this message have been removed]
>

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.830 / Virus Database: 271.1.1/2987 - Release Date: 07/07/10
02:36:00

[Non-text portions of this message have been removed]

6159. Re: [orion565] Re: Front end overload again

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-07 23:27:10 UTC
From: Barry N1EU
Topic: 6155 Message: 6159

On Wed, Jul 7, 2010 at 6:38 PM, tc423239 <tc423239@...> wrote:

>
>
> yes, but this should not be necessary...
> i had an orion 1 and did not have this problem....
>
>
> --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, Barry N1EU
> <barry.n1eu@...> wrote:
> >
> > Sorry if this is a dumb question, but have you tried turning the RF Gain
> way
> > down?
>

Sorry, but the attitude that it should not be necessary to use RF Gain judiciously with modern dsp IF receivers is a BIG mistake based on my experience with the Orion v2 and K3. You'll never experience the amazing performance these rcvrs are capable of until you learn to use JUST enough RF Gain.

73, Barry N1EU

[Non-text portions of this message have been removed]

6160. Re: [orion565] Re: Front end overload again

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-08 00:57:06 UTC
From: Martin Ewing
Topic: 6155 Message: 6160

It's really not the RF gain that is the "problem", it is the digital AGC loop. You can solve the same "overload" problem by fiddling with the AGC settings. In fact, you were forced to do that in earlier versions of the firmware. Turning down the RF gain now adjusts the AGC threshold in a way that is like classical non-digital radios. The S meter level goes up as you reduce gain, to indicate where the AGC threshold is. It's a lot easier to use, for me at least.

The problem with reducing the RF gain is that you're losing the benefit of AGC to some extent. If the signal fades, your radio may get very quiet! Some AGC cushion is a good thing. Getting the right balance is an art. And it still pays to learn how to adjust the hang time and other AGC parameters.

73
Martin AA6E

On Wed, Jul 7, 2010 at 7:27 PM, Barry N1EU <barry.n1eu@...> wrote:

> On Wed, Jul 7, 2010 at 6:38 PM, tc423239 <tc423239@...> wrote:
>
> > >
> > >
> > > yes, but this should not be necessary...
> > > i had an orion 1 and did not have this problem....
> > >
> > >
> > > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, Barry N1EU
> > > <barry.n1eu@...> wrote:
> > > >
> > > > Sorry if this is a dumb question, but have you tried turning the RF
> Gain
> > way
> > > > down?
> > >
> >
> Sorry, but the attitude that it should not be necessary to use RF Gain
> judiciously with modern dsp IF receivers is a BIG mistake based on my
> experience with the Orion v2 and K3. You'll never experience the amazing
> performance these rcvrs are capable of until you learn to use JUST enough
> RF
> Gain.
>
> 73, Barry N1EU
>
>
> [Non-text portions of this message have been removed]

>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
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>

--
Dr. Martin S. Ewing, AA6E
Member IEEE, URSI, AAS, ARRL
Branford, Connecticut

[Non-text portions of this message have been removed]

6161. Re: [orion565] Front end overload again

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-08 01:21:05 UTC
From: Martin
Topic: 6155 Message: 6161

Do you have the hardware NB off?

73 Martin OK1RR

Dne 7.7.2010 17:45, tc423239 napsal(a):
> I've tried master reset, ram clear several times....
> using 2.044, slow agc, hang .21, decay 10 db, threshold 1.00
> slope on 2.10, when i get a signal that is 50 to 60 over the front end overloads, and the audio is distorted....
> if i set the slope to flat the audio is just fine....
> anyone having this problem or do you have any suggestions...
> thanks
> Terry WD4OUM
>
>

6162. Re: [orion565] Front end overload again

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-08 02:11:04 UTC
From: Bob McGraw - K4TAX
Topic: 6155 Message: 6162

Lets face it, DSP systems of any type have a specific mathematical dynamic range expressed in dB. If this range is exceeded things basically go splat. I've found that correctly setting RF Gain depending on antenna and band conditions indeed does improve S/N ratio of the system. Let me make it clear, the front end of the receiver is not being overloaded, however it would appear that the AGC loop is being asked to control a signal that is greater than the dynamic range available. There's only so many digital bits in the algorithm of the system.

Many hams believe, incorrectly, that more gain is needed to hear weaker signals. To an extent this may be partly correct but only to the limit of the noise floor of the system. I recall the noise floor of the Orion is something like -132 dBm. This is basically a negative S unit value where S-0 is -127 dBm or 0.10 uV.

An example where the incoming noise/no signal is indicating S-8 on the meter. This represents a signal of -79 dBm or 25 uV at the antenna terminals. If the total dynamic range of the system is 127 dB then this S-8 noise level signal is sucking up 48 dB of the available 127 dB dynamic range. The solution is to reduce the gain of the system such as to restore the maximum available dynamic range. Keep in mind that the characteristics of the AGC system, i.e. the attack, release and threshold where AGC begins to take action is a large variable in this system, specifically the fact that there is the AGC that is internal to the DSP system and a separate AGC that is external to the DSP system.

I have found that adjusting RF Gain based on antenna efficiency and spectrum noise does optimize the receiver for the best signal to noise ratio and maintain maximum dynamic range at the same time. This will vary from band to band and antenna to antenna. But, once a value has been established for particular conditions then little change is required. Just let the AGC do its job of riding the gain.

Now enter the ATTN function. This reduces both the incoming desired signal and the offending noise the same amount. It does in effect reduce the likelihood of front end overload. A typical condition where ATTN is needed is more likely on 160M where a nearby BC station is present, their RF signal is picked up on the antenna and applied to the front end creating a condition where the front end is no longer linear and thus generates IM or spurious signals that can appear across or in the band. At this point I am speaking of signals in the order of 50,000 uV or -13 dBm. I personally do not like to use nor for that matter do I use the ATTN function as I do not have out of band signals at my QTH/antenna farm that produce that level of RF. I know, I've measured them with the HP analyzer.

Sounds like your solution is to reduce RF gain and make adjustments to the AGC threshold to minimize or eliminate your concerns.

73
Bob, K4TAX

----- Original Message -----
From: Barry N1EU
To: orion565@yahoogroups.com

Sent: Wednesday, July 07, 2010 11:42 AM
Subject: Re: [orion565] Front end overload again

Sorry if this is a dumb question, but have you tried turning the RF Gain way down?

Barry N1EU

On Wed, Jul 7, 2010 at 3:45 PM, tc423239 <tc423239@...> wrote:

>
>
> I've tried master reset, ram clear several times....
> using 2.044, slow agc, hang .21, decay 10 db, threshold 1.00
> slope on 2.10, when i get a signal that is 50 to 60 over the front end
> overloads, and the audio is distorted....
> if i set the slope to flat the audio is just fine....
> anyone having this problem or do you have any suggestions...
> thanks
> Terry WD4OUM
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6163. Re: [orion565] Front end overload again

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-08 02:12:49 UTC
From: Bob McGraw - K4TAX
Topic: 6155 Message: 6163

Good point! Most NB systems can generate distortion in the audio where the threshold of blanking is exceeded.

73
Bob, K4TAX

----- Original Message -----
From: Martin
To: orion565@yahoogroups.com
Cc: tc423239
Sent: Wednesday, July 07, 2010 8:21 PM
Subject: Re: [orion565] Front end overload again

Do you have the hardware NB off?

73 Martin OK1RR

Dne 7.7.2010 17:45, tc423239 napsal(a):
> I've tried master reset, ram clear several times....
> using 2.044, slow agc, hang .21, decay 10 db, threshold 1.00
> slope on 2.10, when i get a signal that is 50 to 60 over the front end overloads, and the audio is distorted....
> if i set the slope to flat the audio is just fine....
> anyone having this problem or do you have any suggestions...
> thanks
> Terry WD4OUM
>
>

[Non-text portions of this message have been removed]

6164. Re: Front end overload again

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-08 12:34:52 UTC
From: Anthony
Topic: 6155 Message: 6164

Terry,
This still sounds very much like what I experienced with an Orion I when I was playing around with different firmware versions.

Have you tried a reset, ram clear and then reloading the firmware?

I have found on the Orion 1 with the latest beta, setting the AGC to slow, hang at .30, decay at 10, threshold at 1.00 and slope at 2:10 works fine on SSB (even with S-50+ sigs). Prog is set a little differently and is used for cw mostly (in my case).

There were several instances, when I had loaded a different firmware version, where the signals (esp strong SSB) sounded distorted. Doing the master reset, ram clear, then loading the firmware; immediately afterward, doing a master reset and ram clear again, and setting the AGC parameters seemed to keep this from happening.

You might even try a previous version of the firmware following this order and see how it does. If it works ok, do this again with 2.044. could be some combination of the firmware version you had and the update to 2.044 leaving a mem location at an odd value that the ram clear isn't handling.

If that doesn't help, I think I would consider a hardware issue. There aren't a huge number of headers in the Orion (thankfully), but you might want to open it up and re-seat anything you can (even the mini coax connections) and just visually check for things like swollen electrolytics. There is a basic level of the AGC system that is analog in nature, so there could be an issue there.

For sure check that the hardware NB is off, as has been mentioned.

--- In orion565@yahoogroups.com, "tc423239" <tc423239@...> wrote:
>
> I've tried master reset, ram clear several times....
> using 2.044, slow agc, hang .21, decay 10 db, threshold 1.00
> slope on 2.10, when i get a signal that is 50 to 60 over the front end overloads, and the audio is distorted....
> if i set the slope to flat the audio is just fine....
> anyone having this problem or do you have any suggestions...
> thanks
> Terry WD4OUM
>

6165. Installing an internal factory antenna tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-08 13:30:44 UTC
From: storygene
Topic: 6165 Message: 6165

I did not find that this has been covered anywhere before which surprises me but perhaps I was not using the correct key words in my Search string.

Can a TEN-TEC internal antenna tuner be purchased, and installed by myself into an Orion that does not have one in it now? Is this the same tuner that is used in the Orion II?

I was certain I saw the AT assembly available for sale from TEN-TEC for the Omni VII but I do not find it now and I do not think I have ever seen it listed for the Orion.

I am considering my options whether I should attempt to install a factory tuner or, other than my existisng high power manual tuner that is post-amp connected, buy an external AT.

Gene / KI6SXW

6166. Re: [orion565] Installing an internal factory antenna tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-08 14:57:56 UTC
From: David Yarnes
Topic: 6165 Message: 6166

Gene,

I bought my O II with the ATU installed. I seem to remember that it had to be done at the factory, and not as a later add, but I may be wrong. I don't think Ten-Tec sells just the ATU as an accessory.

Dave W7AQK

----- Original Message -----
From: storygene
To: orion565@yahoogroups.com
Sent: Thursday, July 08, 2010 6:30 AM
Subject: [orion565] Installing an internal factory antenna tuner

I did not find that this has been covered anywhere before which surprises me but perhaps I was not using the correct key words in my Search string.

Can a TEN-TEC internal antenna tuner be purchased, and installed by myself into an Orion that does not have one in it now? Is this the same tuner that is used in the Orion II?

I was certain I saw the AT assembly available for sale from TEN-TEC for the Omni VII but I do not find it now and I do not think I have ever seen it listed for the Orion.

I am considering my options whether I should attempt to install a factory tuner or, other than my existisng high power manual tuner that is post-amp connected, buy an external AT.

Gene / KI6SXW

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.839 / Virus Database: 271.1.1/2988 - Release Date: 07/07/10 11:38:00

[Non-text portions of this message have been removed]

6167. RE: [orion565] Installing an internal factory antenna tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-08 15:31:31 UTC
From: Duane Calvin
Topic: 6165 Message: 6167

I believe TT did offer the ATU as a separately installed option for a while on the Orion II. Then they stopped doing that, and I think the discussion at the time was that apparently there was not much of a market for it that way. LDG (who made the original Orion ATU) offered their ATU as a separately installed option for a while too, but they also stopped carrying it a short time later.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of David Yarnes
Sent: Thursday, July 08, 2010 9:58 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Installing an internal factory antenna tuner

Gene,

I bought my O II with the ATU installed. I seem to remember that it had to be done at the factory, and not as a later add, but I may be wrong. I don't think Ten-Tec sells just the ATU as an accessory.

Dave W7AQK

----- Original Message -----
From: storygene
To: orion565@yahoogroups.com
Sent: Thursday, July 08, 2010 6:30 AM
Subject: [orion565] Installing an internal factory antenna tuner

I did not find that this has been covered anywhere before which surprises me but perhaps I was not using the correct key words in my Search string.

Can a TEN-TEC internal antenna tuner be purchased, and installed by myself into an Orion that does not have one in it now? Is this the same tuner that is used in the Orion II?

I was certain I saw the AT assembly available for sale from TEN-TEC for the Omni VII but I do not find it now and I do not think I have ever seen it listed for the Orion.

I am considering my options whether I should attempt to install a factory tuner or, other than my existisng high power manual tuner that is post-amp connected, buy an external AT.

Gene / KI6SXW

--

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.839 / Virus Database: 271.1.1/2988 - Release Date: 07/07/10
11:38:00

[Non-text portions of this message have been removed]

Yahoo! Groups Links

6168. Re: [orion565] Installing an internal factory antenna tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-08 19:16:10 UTC
From: ve3dwi@xplornet.com
Topic: 6165 Message: 6168

I don't think LDG discontinued it. I believe they supply the ATU to TenTec. I was lucky to purchase one from LDG before they stopped selling them. It was a direct drop-in with only one or two solder connections. It was a piece of cake and it did not void TenTec's warranty either.
73, Tony VE3DWI.
Sent wirelessly from my BlackBerry device on the Bell network.
Envoyé sans fil par mon terminal mobile BlackBerry sur le réseau de Bell.

-----Original Message-----
From: "Duane Calvin" <ac5aa1@gmail.com>
Sender: orion565@yahoogroups.com
Date: Thu, 8 Jul 2010 10:31:31
To: <orion565@yahoogroups.com>
Reply-To: orion565@yahoogroups.com
Subject: RE: [orion565] Installing an internal factory antenna tuner

I believe TT did offer the ATU as a separately installed option for a while on the Orion II. Then they stopped doing that, and I think the discussion at the time was that apparently there was not much of a market for it that way. LDG (who made the original Orion ATU) offered their ATU as a separately installed option for a while too, but they also stopped carrying it a short time later.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of David Yarnes
Sent: Thursday, July 08, 2010 9:58 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Installing an internal factory antenna tuner

Gene,

I bought my O II with the ATU installed. I seem to remember that it had to be done at the factory, and not as a later add, but I may be wrong. I don't think Ten-Tec sells just the ATU as an accessory.

Dave W7AQK

----- Original Message -----
From: storygene
To: orion565@yahoogroups.com

Sent: Thursday, July 08, 2010 6:30 AM
Subject: [orion565] Installing an internal factory antenna tuner

I did not find that this has been covered anywhere before which surprises me but perhaps I was not using the correct key words in my Search string.

Can a TEN-TEC internal antenna tuner be purchased, and installed by myself into an Orion that does not have one in it now? Is this the same tuner that is used in the Orion II?

I was certain I saw the AT assembly available for sale from TEN-TEC for the Omni VII but I do not find it now and I do not think I have ever seen it listed for the Orion.

I am considering my options whether I should attempt to install a factory tuner or, other than my existisng high power manual tuner that is post-amp connected, buy an external AT.

Gene / KI6SXW

--

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.839 / Virus Database: 271.1.1/2988 - Release Date: 07/07/10 11:38:00

[Non-text portions of this message have been removed]

Yahoo! Groups Links

Yahoo! Groups Links

6169. Re: [orion565] Installing an internal factory antenna tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-08 21:54:20 UTC
From: Chris Hinson
Topic: 6165 Message: 6169

Ten-Tec still sells the internal tuner. It is listed under kits in the drop down menu on their web site.
----- Original Message -----
From: <ve3dwi@...>
To: <orion565@yahoogroups.com>
Sent: Thursday, July 08, 2010 3:16 PM
Subject: Re: [orion565] Installing an internal factory antenna tuner

>I don't think LDG discontinued it. I believe they supply the ATU to TenTec.
>I was lucky to purchase one from LDG before they stopped selling them. It
>was a direct drop-in with only one or two solder connections. It was a
>piece of cake and it did not void TenTec's warranty either.
> 73, Tony VE3DWI.
> Sent wirelessly from my BlackBerry device on the Bell network.
> Envoy? sans fil par mon terminal mobile BlackBerry sur le r?seau de Bell.
>
> -----Original Message-----
> From: "Duane Calvin" <ac5aa1@...>
> Sender: orion565@yahoogroups.com
> Date: Thu, 8 Jul 2010 10:31:31
> To: <orion565@yahoogroups.com>
> Reply-To: orion565@yahoogroups.com
> Subject: RE: [orion565] Installing an internal factory antenna tuner
>
> I believe TT did offer the ATU as a separately installed option for a
> while
> on the Orion II. Then they stopped doing that, and I think the discussion
> at the time was that apparently there was not much of a market for it that
> way. LDG (who made the original Orion ATU) offered their ATU as a
> separately installed option for a while too, but they also stopped
> carrying
> it a short time later.
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of David Yarnes
> Sent: Thursday, July 08, 2010 9:58 AM
> To: orion565@yahoogroups.com

> Subject: Re: [orion565] Installing an internal factory antenna tuner
>
> Gene,
>
> I bought my O II with the ATU installed. I seem to remember that it had
> to
> be done at the factory, and not as a later add, but I may be wrong. I
> don't
> think Ten-Tec sells just the ATU as an accessory.
>
> Dave W7AQK
>
>
> ----- Original Message -----
> From: storygene
> To: orion565@yahoogroups.com
> Sent: Thursday, July 08, 2010 6:30 AM
> Subject: [orion565] Installing an internal factory antenna tuner
>
>
>
> I did not find that this has been covered anywhere before which surprises
> me but perhaps I was not using the correct key words in my Search string.
>
> Can a TEN-TEC internal antenna tuner be purchased, and installed by
> myself
> into an Orion that does not have one in it now? Is this the same tuner
> that
> is used in the Orion II?
>
> I was certain I saw the AT assembly available for sale from TEN-TEC for
> the Omni VII but I do not find it now and I do not think I have ever seen
> it
> listed for the Orion.
>
> I am considering my options whether I should attempt to install a factory
> tuner or, other than my existisng high power manual tuner that is post-amp
> connected, buy an external AT.
>
> Gene / KI6SXW
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>
> No virus found in this incoming message.
> Checked by AVG - www.avg.com
> Version: 9.0.839 / Virus Database: 271.1.1/2988 - Release Date: 07/07/10
> 11:38:00
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> Yahoo! Groups Links
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6170. Re: Front end overload again

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-09 07:24:25 UTC
From: pa1ap
Topic: 6155 Message: 6170

Playing with RF gain and threshold related settings certainly helps in many cases. But from what I found, many firmware versions show digital artifacts independent of RF gain setting. Reported this long time ago as in and out of band noise. 2063 adds significant plopping to the audio with quick rise time (like cw) on top of annoying artifacts. Audio examples included in the files section. I am looking forward to the new Orion 565 firmware!

--- In orion565@yahoogroups.com, "Robert Carroll" <w2wg@...> wrote:
>
> Different firmware versions affect just how much RF gain is present, but
> having had several Orion I's and just about every firmware load available,
> my experience is that there is more RF gain available than you are ever
> going to need-and that if you do run it wide open you were going to be very
> unhappy with the results. One of the main complaints (noisy, distorted etc)
> by new users of the Orion I turned out to be due to the fact that you
> should not run the RF gain wide open.
>
>
>
> 73
>
> Bob W2WG
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of tc423239
> Sent: Wednesday, July 07, 2010 2:39 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Front end overload again
>
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>
>
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>
> yes, but this should not be necessary...
> i had an orion 1 and did not have this problem....
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , Barry
> N1EU <barry.n1eu@> wrote:
> >
> > Sorry if this is a dumb question, but have you tried turning the RF Gain
> way
> > down?
> >
> > Barry N1EU

> >
> > On Wed, Jul 7, 2010 at 3:45 PM, tc423239 <tc423239@> wrote:
> >
> > > >
> > > >
> > > > I've tried master reset, ram clear several times....
> > > > using 2.044, slow agc, hang .21, decay 10 db, threshold 1.00
> > > > slope on 2.10, when i get a signal that is 50 to 60 over the front end
> > > > overloads, and the audio is distorted....
> > > > if i set the slope to flat the audio is just fine....
> > > > anyone having this problem or do you have any suggestions...
> > > > thanks
> > > > Terry WD4OUM
> > > >
> > > >
> > > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
>
>
>
> No virus found in this incoming message.
> Checked by AVG - www.avg.com
> Version: 9.0.830 / Virus Database: 271.1.1/2987 - Release Date: 07/07/10
> 02:36:00
>
>
>
> [Non-text portions of this message have been removed]
>

6171. tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-09 16:28:49 UTC
From: k5lg@yahoo.com
Topic: 6171 Message: 6171

bought tuner from tt abt yr ago. installed it in o2 worked fb....call tt and ask them

[Non-text portions of this message have been removed]

6172. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-09 18:32:55 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 6172

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap AGC program/orion_agc_macro_v2040.zip
Uploaded by : pa1ap <pa1ap@...>
Description : AGC 2040. Orion status is now synchronized with the windows and buttons. Some minor tweaks here and there. Enjoy. 73 onno

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_macro_v2040.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

6173. Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-09 20:57:12 UTC
From: cobbjd
Topic: 222 Message: 6173

Onno,

I can't get the Setup to work on my XP machine. The previous versions installed okay and I uninstalled them prior to trying this one but the Setup still gives me an error. The error says it has something to do with a go.microsoft.com link. Any ideas? Thanks...

Dave / K8JDC

--- In orion565@yahoogroups.com, orion565@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the orion565
> group.
>
> File : /pa1ap AGC program/orion_agc_macro_v2040.zip
> Uploaded by : pa1ap <pa1ap@...>
> Description : AGC 2040. Orion status is now synchronized with the windows and buttons. Some minor tweaks here and there. Enjoy. 73 onno
>
> You can access this file at the URL:
> http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_macro_v2040.zip
>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles
>
> Regards,
>
> pa1ap <pa1ap@...>
>

6174. Re: New file uploaded to orion565 - Problem Solved

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-09 23:55:09 UTC
From: cobbjd
Topic: 222 Message: 6174

Onno,

Problem was on my end. I use Firefox as my browser and my Internet Explorer was set to "Offline" for some reason. During the Setup, it was trying to download the file from Microsoft and it was hanging up because IE was set to Offline. I corrected that and the install went fine. Now to play...

Thanks...

Dave / K8JDC

--- In orion565@yahoogroups.com, "cobbjd" <k8jdc@...> wrote:
>
> Onno,
>
> I can't get the Setup to work on my XP machine. The previous versions installed okay and I uninstalled them prior to trying this one but the Setup still gives me an error. The error says it has something to do with a go.microsoft.com link. Any ideas? Thanks...
>
> Dave / K8JDC
>
> --- In orion565@yahoogroups.com, orion565@yahoogroups.com wrote:
> >
> >
> > Hello,
> >
> > This email message is a notification to let you know that
> > a file has been uploaded to the Files area of the orion565
> > group.
> >
> > File : /pa1ap AGC program/orion_agc_macro_v2040.zip
> > Uploaded by : pa1ap <pa1ap@>
> > Description : AGC 2040. Orion status is now synchronized with the windows and buttons. Some minor tweaks here and there. Enjoy. 73 onno
> >
> > You can access this file at the URL:
> > http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_macro_v2040.zip
> >
> > To learn more about file sharing for your group, please visit:
> > http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles
> >
> > Regards,
> >
> > pa1ap <pa1ap@>
> >

>

6175. Re: New file uploaded to orion565 - Problem Solved

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-10 08:46:20 UTC
From: pa1ap
Topic: 222 Message: 6175

Sorry for the inconvinience. Yes indeed since it is based on microsoft modules it will insist in using internet explorer to perform version check. I got another feedback on orion 2 where the s meter routine shows an error at first run and after that it works ok. I am investigating the timing right now. Best regards, Onno
--- In orion565@yahoogroups.com, "cobbjd" <k8jdc@...> wrote:
>
> Onno,
>
> Problem was on my end. I use Firefox as my browser and my Internet Explorer was set to "Offline" for some reason. During the Setup, it was trying to download the file from Microsoft and it was hanging up because IE was set to Offline. I corrected that and the install went fine. Now to play...
>
> Thanks...
>
> Dave / K8JDC
>
> --- In orion565@yahoogroups.com, "cobbjd" <k8jdc@> wrote:
> >
> > Onno,
> >
> > I can't get the Setup to work on my XP machine. The previous versions installed okay and I uninstalled them prior to trying this one but the Setup still gives me an error. The error says it has something to do with a go.microsoft.com link. Any ideas? Thanks...
> >
> > Dave / K8JDC
> >
> > --- In orion565@yahoogroups.com, orion565@yahoogroups.com wrote:
> > >
> > >
> > > Hello,
> > >
> > > This email message is a notification to let you know that
> > > a file has been uploaded to the Files area of the orion565
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> > > File : /pa1ap AGC program/orion_agc_macro_v2040.zip
> > > Uploaded by : pa1ap <pa1ap@>
> > > Description : AGC 2040. Orion status is now synchronized with the windows and buttons. Some minor tweaks here and there. Enjoy. 73 onno
> > >
> > > You can access this file at the URL:
> > > http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_macro_v2040.zip
> > >

> > > To learn more about file sharing for your group, please visit:
> > > http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles
> > >
> > > Regards,
> > >
> > > pa1ap <pa1ap@>
> > >
> >
>

6176. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-10 15:20:08 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 6176

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /pa1ap AGC program/orion_agc_macro_v20050.zip
Uploaded by : pa1ap <pa1ap@...>
Description : AGC 2050: included firmware dependent S meter association. please check agc_profile_5.txt for details. This is important for the auto s meter function. When debug is enabled, you can now click on ?S and it will read the average s meter value and show its association. If it is not accurate you have to revise the firmware mapping (SET with SSET). I have checked the association for 1327 and 2056, both orion 565. If you can measure s meter values and find them different for other firmware, pse share

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_macro_v20050.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

6178. Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-10 16:14:07 UTC
From: pa1ap
Topic: 222 Message: 6178

To clarify the adjustments on AGC macro 2050 program:

1) The s meter window reads the s meter value (digital value) I learned orion firmware can use different values... For example, digital value 25 might mean S3 for 1372 and S6 for 2056....
2) Right now the program allowed you to choose firmware and associated Threshold and Rf Gain values (SET1, SET2 etc... Each set represents a firmware version.
3) I have included similar structure for the S meter value, called SSET1, SSET2 etc.... each set represents a firmware version and it relates to the SET row... In other words, SET1 refers to 1372 Threshold and RF Gain values and SSET1 refers to 1372 digital s meter values....
4) if you have a certain firmware (other then 1372 or 2056), connect a generator to orion, set it to S1 and write down the digital value. digital value can be retrieved through "prog", followed by enabling "debug" and then push ?S toolbar button... repeat this for each S meter value. Once finished, you can update the SSETx row within agc_profile_5.txt

I received couple of feedbacks and I have incorporated their findings. Should be no issue anymore for all reported issues.

If you do not use the s meter function, you dont have to do anything. Just use the program as before.

Enjoy and best regards,
Onno

--- In orion565@yahoogroups.com, orion565@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the orion565
> group.
>
> File : /pa1ap AGC program/orion_agc_macro_v20050.zip
> Uploaded by : pa1ap <pa1ap@...>
> Description : AGC 2050: included firmware dependent S meter association. please check agc_profile_5.txt for details. This is important for the auto s meter function. When debug is enabled, you can now click on ?S and it will read the average s meter value and show its association. If it is not accurate you have to revise the firmware mapping (SET with SSET). I have checked the association for 1327 and 2056, both orion 565. If you can measure s meter values and find them different for other firmware, pse share
>
> You can access this file at the URL:
> http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/orion_agc_macro_v20050.zip

>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles
>
> Regards,
>
> pa1ap <pa1ap@...>
>

6179. Blue replacement display for Orion 1 565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-10 19:59:11 UTC
From: Carl E
Topic: 6179 Message: 6179

Does anyone have any information about replacing the white/ black display on the Orion 1 with a blue display ?? Any feedback pro or con would be appreciated.

Carl w3IY

6180. Sad to hear ten-tec U.K. closing down

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-10 23:35:47 UTC
From: chris
Topic: 6180 Message: 6180

Just had my TEN-TEC Orion 2 repaired and serviced by RIMARTON(AOR UK).
An absolutely spot on service this June.
The parts and service have now moved to Waters and Stanton .
Would anyone know of an alternative for any future repairs or parts tnx.

6181. Re: [orion565] Sad to hear ten-tec U.K. closing down

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-10 23:53:00 UTC
From: Bob McGraw - K4TAX
Topic: 6180 Message: 6181

Well that's not the only group of ham radio folks closing. The 3 USA dealers that I do repair work for informed me that they are closing their business at the end of the month and thus will no longer need my service. These are Kenwood, ICOM and Yaesu dealers that have been in business for 15 plus years with one being a very significant exporter of ham radio products to South & Central America as well as islands of the Caribbean.

And with that, I'll cease doing ham radio repairs as well. Time for me to close shop and retire.

Business is tough everywhere.

73
Bob, K4TAX

----- Original Message -----
From: chris
To: orion565@yahoogroups.com
Sent: Saturday, July 10, 2010 6:35 PM
Subject: [orion565] Sad to hear ten-tec U.K. closing down

Just had my TEN-TEC Orion 2 repaired and serviced by RIMARTON(AOR UK).
An absolutely spot on service this June.
The parts and service have now moved to Waters and Stanton .
Would anyone know of an alternative for any future repairs or parts tnx.

[Non-text portions of this message have been removed]

6182. TEN TEC Flash Utility will not allow me to INSTALL F/W 2.044A

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-11 14:08:54 UTC
From: y2kbrad_2000
Topic: 6182 Message: 6182

My ORION II is connected to COM PORT 6 and N4PY program
connects fine. I UNINSTALL COM PORT 6 in the Device Manager
re-boot and when I try to FLASH, a message tells me it CAN NOT
COMMUNICATE, turn the ORION II off & back on and try again.
Can you offer any suggestions that WILL WORK - SMILE!! What
and where is the LATEST Flash Utility?? IT'S NOT ON TEN TEC'S
DOWNLOAD PAGE!!!! THANKS!!!

You are appreciated

BRAD / W9GOD - - NNN0PKC Navy Marine CORPS MARS

6183. Orion 565 new user help please

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-11 17:08:40 UTC
From: frankzavada
Topic: 6183 Message: 6183

Hello:
I am the owner of a nice Orion 565 clasic and I just can't seem to get the hang of what goes with the RF gain and the AGC. I also have a Omni VI plus and really like the rig and find that you just don't keep the RF gain up high, only just enough, and it works great on the omni. I do the same on the Orion and it still sounds noisy then I start to play with the AGC Program and get lost in what I trying to do??? Anyone help me out here even just a little. I think it is a good rig if I can only figure out how to use it. Frank KD7HVL

6184. Re: [orion565] Orion 565 new user help please

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-11 17:21:57 UTC
From: Barry N1EU
Topic: 6183 Message: 6184

If you're running v2 firmware, you might want to try v1.373b5 firmware available at http://www.tentecwiki.org/doku.php?id=orionfw

The AGC settings are a lot less finicky in 1.372 and 1.373 versions. Just set threshold to a very low value (e.g. 1uV), set AF Gain to 50%, and set RF Gain to where you can just hear the band noise.

Barry N1EU

On Sun, Jul 11, 2010 at 5:08 PM, frankzavada <frankzavada@...> wrote:

>
>
> Hello:
> I am the owner of a nice Orion 565 clasic and I just can't seem to get the
> hang of what goes with the RF gain and the AGC. I also have a Omni VI plus
> and really like the rig and find that you just don't keep the RF gain up
> high, only just enough, and it works great on the omni. I do the same on the
> Orion and it still sounds noisy then I start to play with the AGC Program
> and get lost in what I trying to do??? Anyone help me out here even just a
> little. I think it is a good rig if I can only figure out how to use it.
> Frank KD7HVL
>
>
>

[Non-text portions of this message have been removed]

6185. Re: Orion 565 new user help please

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-11 19:54:09 UTC
From: pa1ap
Topic: 6183 Message: 6185

Greetings Frank,

You are not the only one...

With the Orion you get more then just slow/medium/fast on your AGC as well the unit is very sensitive...

The most likely reason for the rig to sound noisy is settings the AGC activation point (threshold) below the (band) noise. Threshold below band noise means that band noise will sound as loud as any other signal above threshold... in other words, undesired and desired have equal audio presence.

You could move the signal below threshold by reducing rf gain or increasing threshold. And when (band) noise is really high (like S5 or so) you might benefit from applying attenuation... Signals below threshold will not be equalized to 100% audio presence and hence your rig will sound a lot less noisier.

The challenges on Orion 565:

1) firmware release 1.x -> there is no visual indication of RF Gain and or Threshold values to help you determine if signals are below the threshold... You will have to observe the audio and listen until the audio drops.

2) firmware release 2.x -> visual indication is available, big help wqhen adjusting either rf gain or threshold

3) unreliable reference within all firmware on threshold and s meter readings... each firmware has its own value ranges, making it impossible to re-use a reference value from 1372 on 2065... totally different... So a cheat sheet made on release 1372 can be thrown away after an upgrade.

////
The AGC program is developed to help experimenting with the AGC and such like. First important element is the firmware dependency and this is addressed through the profile selection upper right toolbar scroll window (SET1, SET2 etc.)... Right now on Orion 565 SET1 (1372) and SET2 (2065) are well tested and work well.

Once connected, just observe the (band) noise indication on the main s meter (lets assume it reads S4) and click on the corresponding S meter button within the main window. In this case S4.. What it will do now is adjust RF Gain and Threshold to S4 values and the band noise should have less audio presence.. If not, just click on S5 to see what happens.

If you like to compare the adjusted values with normal behavior, just open the AGC buttons window and toggle between prog and med. This will allow you to quickly compare if it has any impact.

If you are using the matching firmware (1372 or 2065) you could also use the S meter window. Here you can click on Peak and after less then 2 seconds the AGC etc. would be

automatically set to match the conditions at that moment.

Hope this helps and the intention of the program was to make it easier to experiment. Bets regards, Onno

--- In orion565@yahoogroups.com, "frankzavada" <frankzavada@...> wrote:
>
> Hello:
> I am the owner of a nice Orion 565 clasic and I just can't seem to get the hang of what goes with the RF gain and the AGC. I also have a Omni VI plus and really like the rig and find that you just don't keep the RF gain up high, only just enough, and it works great on the omni. I do the same on the Orion and it still sounds noisy then I start to play with the AGC Program and get lost in what I trying to do??? Anyone help me out here even just a little. I think it is a good rig if I can only figure out how to use it. Frank KD7HVL
>

6186. Re: Sad to hear ten-tec U.K. closing down

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-12 22:03:18 UTC
From: k1fpv
Topic: 6180 Message: 6186

Yes, it is unfortunate Bob that many businesses are doing the same. I have a good friend here just a few miles away in NH who is no longer servicing amateur radio equipment either. The money just isn't there. I've repaired a few pieces of gear for close friends, but most of the time, specialized parts were tough to come by, a lot of guys now don't want to spend much $$$ to fix gear and the overall financial outlook is bleak. I'm glad I retired when I did!

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
>
> Well that's not the only group of ham radio folks closing. The 3 USA dealers that I do repair work for informed me that they are closing their business at the end of the month and thus will no longer need my service. These are Kenwood, ICOM and Yaesu dealers that have been in business for 15 plus years with one being a very significant exporter of ham radio products to South & Central America as well as islands of the Caribbean.
>
> And with that, I'll cease doing ham radio repairs as well. Time for me to close shop and retire.
>
> Business is tough everywhere.
>
> 73
> Bob, K4TAX
>
>
>
> ----- Original Message -----
> From: chris
> To: orion565@yahoogroups.com
> Sent: Saturday, July 10, 2010 6:35 PM
> Subject: [orion565] Sad to hear ten-tec U.K. closing down
>
>
>
> Just had my TEN-TEC Orion 2 repaired and serviced by RIMARTON(AOR UK).
> An absolutely spot on service this June.
> The parts and service have now moved to Waters and Stanton .
> Would anyone know of an alternative for any future repairs or parts tnx.
>
>
>
>
>

> [Non-text portions of this message have been removed]
>

6187. New poll for orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-16 00:30:32 UTC
From: orion565@yahoogroups.com
Topic: 7 Message: 6187

Enter your vote today! A new poll has been created for the
orion565 group:

How many times did your Orion II require warranty repair?

o zero
o once
o twice
o three
o four or more

To vote, please visit the following web page:
http://groups.yahoo.com/group/orion565/surveys?id=13023912

Note: Please do not reply to this message. Poll votes are
not collected via email. To vote, you must go to the Yahoo! Groups
web site listed above.

Thanks!

6188. Monitor problem?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-19 18:18:32 UTC
From: ve7tk
Topic: 6188 Message: 6188

I rarely use the MON function on my Orion (565) but decided to give it a try recently. Well it doesn't seem to be working the way it should. Here's the set-up:

1) firmware 1.373b5
2) MON level at 100%
3) SP (speech processor) off -- more on this.
4) earphones plugged in
5) Ten-Tec hand mic
6) No external Orion software involved

With this set-up I DO NOT hear the monitored signal in the earphones? I tried a different set of earphones and a different microphone. Still nothing.

Now IF I turn ON the SP at 6 I can hear the audio signal??

I have done a RAM CLEAR and MASTER RESET but nothing has changed. MON works well in RTTY (FSK) mode?

Is this a special feature of 1.373b5? I have tried firmware 2.xxx and it seems to function normally -- or more normally than 1.373b5. Thoughts appreciated!

Thanks.

Rick
VE7TK

6189. Re: [orion565] Monitor problem?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-19 18:37:31 UTC
From: Barry N1EU
Topic: 6188 Message: 6189

With 1.373b5, I can clearly hear the MON with SP off. I'm not that familiar with the MON signal path, but I think it uses the subrx.

73, Barry N1EU

On Mon, Jul 19, 2010 at 6:18 PM, ve7tk <ve7tk@...> wrote:

>
>
> I rarely use the MON function on my Orion (565) but decided to give it a
> try recently. Well it doesn't seem to be working the way it should. Here's
> the set-up:
>
> 1) firmware 1.373b5
> 2) MON level at 100%
> 3) SP (speech processor) off -- more on this.
> 4) earphones plugged in
> 5) Ten-Tec hand mic
> 6) No external Orion software involved
>
> With this set-up I DO NOT hear the monitored signal in the earphones? I
> tried a different set of earphones and a different microphone. Still
> nothing.
>
> Now IF I turn ON the SP at 6 I can hear the audio signal??
>
> I have done a RAM CLEAR and MASTER RESET but nothing has changed. MON works
> well in RTTY (FSK) mode?
>
> Is this a special feature of 1.373b5? I have tried firmware 2.xxx and it
> seems to function normally -- or more normally than 1.373b5. Thoughts
> appreciated!
>
> Thanks.
>
> Rick
> VE7TK
>
>
>

[Non-text portions of this message have been removed]

6190. Re: Monitor problem?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-19 19:55:18 UTC
From: ve7tk
Topic: 6188 Message: 6190

Thanks Barry. I have MAIN and SUB-RX in the earphones and the volume up on both. The MON level seems independent of both volume controls???

It's my understanding that the MON function is all in firmware. How it gets into the audio circuits for the speaker and earphones is a mystery. I sure haven't found anything in the schematics??

I'd be curious IF the Sub-RX is involved. As you know I've had the Sub-RX board out recently and maybe something is plugged into the wrong location? However, BOTH receivers are otherwise working perfectly.

73,
Rick
VE7TK

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> With 1.373b5, I can clearly hear the MON with SP off. I'm not that familiar
> with the MON signal path, but I think it uses the subrx.
>
>
> 73, Barry N1EU
>
>
> On Mon, Jul 19, 2010 at 6:18 PM, ve7tk <ve7tk@...> wrote:
>
> > >
> > >
> > > I rarely use the MON function on my Orion (565) but decided to give it a
> > > try recently. Well it doesn't seem to be working the way it should. Here's
> > > the set-up:
> > >
> > > 1) firmware 1.373b5
> > > 2) MON level at 100%
> > > 3) SP (speech processor) off -- more on this.
> > > 4) earphones plugged in
> > > 5) Ten-Tec hand mic
> > > 6) No external Orion software involved
> > >
> > > With this set-up I DO NOT hear the monitored signal in the earphones? I
> > > tried a different set of earphones and a different microphone. Still
> > > nothing.
> > >
> > > Now IF I turn ON the SP at 6 I can hear the audio signal??
> > >
> > > I have done a RAM CLEAR and MASTER RESET but nothing has changed. MON works

> > well in RTTY (FSK) mode?
> >
> > Is this a special feature of 1.373b5? I have tried firmware 2.xxx and it
> > seems to function normally -- or more normally than 1.373b5. Thoughts
> > appreciated!
> >
> > Thanks.
> >
> > Rick
> > VE7TK
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

6191. Re: Monitor problem?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-20 02:57:49 UTC
From: ve7tk
Topic: 6188 Message: 6191

All works as it should using firmware 2.063Xg.

So it looks like it's something going on between my Orion and 1.373b5? Since I rarely use the MON function on SSB I guess it can wait until the next release of firmware from the mother ship.

73,
Rick
VE7TK

--- In orion565@yahoogroups.com, "ve7tk" <ve7tk@...> wrote:
>
> Thanks Barry. I have MAIN and SUB-RX in the earphones and the volume up on both. The MON level seems independent of both volume controls???
>
> It's my understanding that the MON function is all in firmware. How it gets into the audio circuits for the speaker and earphones is a mystery. I sure haven't found anything in the schematics??
>
> I'd be curious IF the Sub-RX is involved. As you know I've had the Sub-RX board out recently and maybe something is plugged into the wrong location? However, BOTH receivers are otherwise working perfectly.
>
> 73,
> Rick
> VE7TK
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> >
> > With 1.373b5, I can clearly hear the MON with SP off. I'm not that familiar
> > with the MON signal path, but I think it uses the subrx.
> >
> >
> > 73, Barry N1EU
> >
> >
> > On Mon, Jul 19, 2010 at 6:18 PM, ve7tk <ve7tk@> wrote:
> >
> > >
> > >
> > > I rarely use the MON function on my Orion (565) but decided to give it a
> > > try recently. Well it doesn't seem to be working the way it should. Here's
> > > the set-up:
> > >
> > > 1) firmware 1.373b5
> > > 2) MON level at 100%

> > > 3) SP (speech processor) off -- more on this.
> > > 4) earphones plugged in
> > > 5) Ten-Tec hand mic
> > > 6) No external Orion software involved
> > >
> > > With this set-up I DO NOT hear the monitored signal in the earphones? I
> > > tried a different set of earphones and a different microphone. Still
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> > >
> > > Now IF I turn ON the SP at 6 I can hear the audio signal??
> > >
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> > > well in RTTY (FSK) mode?
> > >
> > > Is this a special feature of 1.373b5? I have tried firmware 2.xxx and it
> > > seems to function normally -- or more normally than 1.373b5. Thoughts
> > > appreciated!
> > >
> > > Thanks.
> > >
> > > Rick
> > > VE7TK
> > >
> > >
> > >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

6192. Re: Monitor problem - FIXED

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-20 03:44:53 UTC
From: ve7tk
Topic: 6188 Message: 6192

Well after loading Version 2.063Gx I went back to firmware 1.373b5. After another RAM CLEAR and MASTER RESET guess what.

The MON now works as designed?

I have no idea what happened BUT I'm happy the rig is back to normal and running my favourite firmware!

73,
Rick
VE7TK

Website: http://www.ve7tk.com

--- In orion565@yahoogroups.com, "ve7tk" <ve7tk@...> wrote:
>
> All works as it should using firmware 2.063Xg.
>
> So it looks like it's something going on between my Orion and 1.373b5? Since I rarely use the MON function on SSB I guess it can wait until the next release of firmware from the mother ship.
>
> 73,
> Rick
> VE7TK
>
> --- In orion565@yahoogroups.com, "ve7tk" <ve7tk@> wrote:
> >
> > Thanks Barry. I have MAIN and SUB-RX in the earphones and the volume up on both. The MON level seems independent of both volume controls???
> >
> > It's my understanding that the MON function is all in firmware. How it gets into the audio circuits for the speaker and earphones is a mystery. I sure haven't found anything in the schematics??
> >
> > I'd be curious IF the Sub-RX is involved. As you know I've had the Sub-RX board out recently and maybe something is plugged into the wrong location? However, BOTH receivers are otherwise working perfectly.
> >
> > 73,
> > Rick
> > VE7TK
> >
> > --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> > >
> > > With 1.373b5, I can clearly hear the MON with SP off. I'm not that familiar

> > > with the MON signal path, but I think it uses the subrx.
> > >
> > >
> > > 73, Barry N1EU
> > >
> > >
> > > On Mon, Jul 19, 2010 at 6:18 PM, ve7tk <ve7tk@> wrote:
> > >
> > > >
> > > >
> > > > I rarely use the MON function on my Orion (565) but decided to give it a
> > > > try recently. Well it doesn't seem to be working the way it should. Here's
> > > > the set-up:
> > > >
> > > > 1) firmware 1.373b5
> > > > 2) MON level at 100%
> > > > 3) SP (speech processor) off -- more on this.
> > > > 4) earphones plugged in
> > > > 5) Ten-Tec hand mic
> > > > 6) No external Orion software involved
> > > >
> > > > With this set-up I DO NOT hear the monitored signal in the earphones? I
> > > > tried a different set of earphones and a different microphone. Still
> > > > nothing.
> > > >
> > > > Now IF I turn ON the SP at 6 I can hear the audio signal??
> > > >
> > > > I have done a RAM CLEAR and MASTER RESET but nothing has changed. MON works
> > > > well in RTTY (FSK) mode?
> > > >
> > > > Is this a special feature of 1.373b5? I have tried firmware 2.xxx and it
> > > > seems to function normally -- or more normally than 1.373b5. Thoughts
> > > > appreciated!
> > > >
> > > > Thanks.
> > > >
> > > > Rick
> > > > VE7TK
> > > >
> > > >
> > > >
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > >
>

6193. When All Else Fails

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-20 03:47:27 UTC
From: ve7tk
Topic: 6193 Message: 6193

After my experience with a glitch in the Orion firmware, I have posted a new file on my website. I call it:

Orion - When All Else Fails

It outlines the RAM CLEAR and MASTER RESET procedure!

I think I have it memorized!

73,
Rick
VE7TK

Website: http://www.ve7tk.com

6194. OT: New Omni VII group formed!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-20 04:10:45 UTC
From: k0mu
Topic: 6194 Message: 6194

http://groups.yahoo.com/group/Ten-Tec-Omni-VII_2/

6195. Re: When All Else Fails

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-20 13:48:55 UTC
From: Anthony
Topic: 6193 Message: 6195

I've found judicial use of both, before and after (and a few times in between) does wonders when you play with firmware versions.

--- In orion565@yahoogroups.com, "ve7tk" <ve7tk@...> wrote:
>
> After my experience with a glitch in the Orion firmware, I have posted a new file on my website. I call it:
>
> Orion - When All Else Fails
>
> It outlines the RAM CLEAR and MASTER RESET procedure!
>
> I think I have it memorized!
>
> 73,
> Rick
> VE7TK
>
> Website: http://www.ve7tk.com
>

6196. FS: 566AT Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-20 14:58:56 UTC
From: vinster1k
Topic: 6196 Message: 6196

Ten-Tec Orion II 566AT HF transceiver, serial# 08C10507. Radio has all three optional filters and ATU installed. Raio is in perfect cosmetic and working order. Package includes Radio, power cord, manual, Ten-Tec hand mic and the 302r remote encoder/keypad unit.

Price is $3000.00 + Shipping. US only. If interested call 972-310-1500.

6197. Grounding Question

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-20 18:44:35 UTC
From: kzerofl
Topic: 6197 Message: 6197

Having a station on the second floor of my house I have on rare occasions had problems with RF in the shack due to my windom being stretched over the top of my house. The Orion has been more susceptible than most rigs I have owned and I'd like to throw a question to the group. I quote the manual "Antenna type and its proximity to the station
are also factors in choosing ground methods. With good resonant antennas
located away from the station, the AC ground in your house wiring might be adequate" Does this suggest that a connection from the radio to a ground lug in the house wiring is acceptable and effective? Other suggestions??

73 de Tim

6198. RE: [orion565] Grounding Question

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-20 19:04:32 UTC
From: Duane Calvin
Topic: 6197 Message: 6198

Why not try counterpoise grounds in the shack - quarter wavelength stubs for the bands you operate connected to your chassis ground on the rig. I run a KW into a G5RV Jr just over the roof and have zero problems with RF getting into my Orion, so it's most likely that the RF is coming back on your ground line, if you're using one. I don't see how the AC ground is going to help this problem.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of kzerofl
Sent: Tuesday, July 20, 2010 1:45 PM
To: orion565@yahoogroups.com
Subject: [orion565] Grounding Question

Having a station on the second floor of my house I have on rare occasions had problems with RF in the shack due to my windom being stretched over the top of my house. The Orion has been more susceptible than most rigs I have owned and I'd like to throw a question to the group. I quote the manual "Antenna type and its proximity to the station
are also factors in choosing ground methods. With good resonant antennas located away from the station, the AC ground in your house wiring might be adequate" Does this suggest that a connection from the radio to a ground lug in the house wiring is acceptable and effective? Other suggestions??

73 de Tim

Yahoo! Groups Links

6199. Re: [orion565] Grounding Question

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-20 19:06:35 UTC
From: amfone
Topic: 6197 Message: 6199

Tim

I can tell you what I have done and I have a shack on the second floor. This is not the best in terms of ground systems but then the science of good ground systems is as in depth as proper antenna systems. I have never had issues. All of my gear, 6 complete stations are all grounded together. I use RG8U running outside from the second floor, with the center conductor and the braid soldered together. This is then connected to one two10 foot copper ground rods which are then tired together, each is spaced 10 feet apart. They are tied together with RG8U with the center and ground braid again soldered together. I plan on adding an additional 10 foot copper ground rod in a triangle configuration to complete this ground system. The ground is also tied into the house AC ground. Again this set up has done the job but of course shorter runs of ground from he shack to the actual ground stakes would be better but like you I can only do what is attainable here.

Good luck 73 Tim
wb8uhz

From: kzerofl <timranda@...>
To: orion565@yahoogroups.com
Sent: Tue, July 20, 2010 2:44:35 PM
Subject: [orion565] Grounding Question

Having a station on the second floor of my house I have on rare occasions had problems with RF in the shack due to my windom being stretched over the top of my house. The Orion has been more susceptible than most rigs I have owned and I'd like to throw a question to the group. I quote the manual "Antenna type and its proximity to the station
are also factors in choosing ground methods. With good resonant antennas located away from the station, the AC ground in your house wiring might be adequate" Does this suggest that a connection from the radio to a ground lug in the house wiring is acceptable and effective? Other suggestions??

73 de Tim

[Non-text portions of this message have been removed]

6200. Re: [orion565] Grounding Question

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-20 19:12:44 UTC
From: Martin Ewing
Topic: 6197 Message: 6200

On Tue, Jul 20, 2010 at 2:44 PM, kzerofl <timranda@...> wrote:

> Having a station on the second floor of my house I have on rare occasions
> had problems with RF in the shack due to my windom being stretched over the
> top of my house. The Orion has been more susceptible than most rigs I have
> owned and I'd like to throw a question to the group. I quote the manual
> "Antenna type and its proximity to the station
> are also factors in choosing ground methods. With good resonant antennas
> located away from the station, the AC ground in your house wiring might be
> adequate" Does this suggest that a connection from the radio to a ground
> lug in the house wiring is acceptable and effective? Other suggestions??
>
> 73 de Tim
>

Tim,

The AC ground (green wire) is (generally) not a good RF ground. AC grounding is all about electrical safety -- being sure that an AC fault on your equipment (short to ground) will blow a fuse before it gets to you.

RF grounding is not that way. You want to put your equipment at "zero" potential relative to the infinite earth (whatever that is!). If your distance away from the earth is more than a small fraction (like 1/10) of a wavelength, you're not going to have a good RF ground, no matter what. Doesn't matter how many ground rods or how fat a cable you use!

You can sometimes "fool" your rig by providing a series-resonant (tuned) ground lead -- but that only works for a small range of frequencies.

It might be more effective if you could be sure that there is no antenna current flowing on the outside of your coax. That's often what gives you RF in the shack. Using a 1:1 "unun" transformer (choke) in your coax line is one way to go. You can also put ferrite toroids on all your rig connections - especially low-level lines like your mic cable.

Safety grounding against lightning is yet a whole other problem.

73 Martin AA6E

[Non-text portions of this message have been removed]

6201. Re: [orion565] Grounding Question

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-20 19:16:06 UTC
From: Tim Randa
Topic: 6197 Message: 6201

How did you tie into the house AC ground and why did you? I have never used any type of ground in 20 plus years in second story shacks. Is there a danger in using a banana plug and connecting the radio to just the ground plug in a wall three prong outlet?

Tim

On 7/20/2010 2:06 PM, amfone wrote:
> Tim
>
> I can tell you what I have done and I have a shack on the second floor. This is
> not the best in terms of ground systems but then the science of good ground
> systems is as in depth as proper antenna systems. I have never had issues. All
> of my gear, 6 complete stations are all grounded together. I use RG8U running
> outside from the second floor, with the center conductor and the braid soldered
> together. This is then connected to one two10 foot copper ground rods which are
> then tired together, each is spaced 10 feet apart. They are tied together with
> RG8U with the center and ground braid again soldered together. I plan on adding
> an additional 10 foot copper ground rod in a triangle configuration to complete
> this ground system. The ground is also tied into the house AC ground. Again this
> set up has done the job but of course shorter runs of ground from he shack to
> the actual ground stakes would be better but like you I can only do what is
> attainable here.
>
> Good luck 73 Tim
> wb8uhz
>
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>
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>
> _____
> From: kzerofl<timranda@...>
> To: orion565@yahoogroups.com
> Sent: Tue, July 20, 2010 2:44:35 PM
> Subject: [orion565] Grounding Question
>
>
> Having a station on the second floor of my house I have on rare occasions had
> problems with RF in the shack due to my windom being stretched over the top of
> my house. The Orion has been more susceptible than most rigs I have owned and
> I'd like to throw a question to the group. I quote the manual "Antenna type and
> its proximity to the station
> are also factors in choosing ground methods. With good resonant antennas
> located away from the station, the AC ground in your house wiring might be

> adequate" Does this suggest that a connection from the radio to a ground lug
> in the house wiring is acceptable and effective? Other suggestions??
>
> 73 de Tim
>
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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6202. Re: [orion565] Grounding Question

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-20 19:19:22 UTC
From: Tim Randa
Topic: 6197 Message: 6202

Thanks Martin...I do have a current choke on the windom at the apex.
I'll try a few things here in the shack...the RF is just on a couple of
bands.

Tim

On 7/20/2010 2:12 PM, Martin Ewing wrote:
> On Tue, Jul 20, 2010 at 2:44 PM, kzerofl<timranda@...> wrote:
>
>> Having a station on the second floor of my house I have on rare occasions
>> had problems with RF in the shack due to my windom being stretched over the
>> top of my house. The Orion has been more susceptible than most rigs I have
>> owned and I'd like to throw a question to the group. I quote the manual
>> "Antenna type and its proximity to the station
>> are also factors in choosing ground methods. With good resonant antennas
>> located away from the station, the AC ground in your house wiring might be
>> adequate" Does this suggest that a connection from the radio to a ground
>> lug in the house wiring is acceptable and effective? Other suggestions??
>>
>> 73 de Tim
>>
> Tim,
>
> The AC ground (green wire) is (generally) not a good RF ground. AC
> grounding is all about electrical safety -- being sure that an AC fault on
> your equipment (short to ground) will blow a fuse before it gets to you.
>
> RF grounding is not that way. You want to put your equipment at "zero"
> potential relative to the infinite earth (whatever that is!). If your
> distance away from the earth is more than a small fraction (like 1/10) of a
> wavelength, you're not going to have a good RF ground, no matter what.
> Doesn't matter how many ground rods or how fat a cable you use!
>
> You can sometimes "fool" your rig by providing a series-resonant (tuned)
> ground lead -- but that only works for a small range of frequencies.
>
> It might be more effective if you could be sure that there is no antenna
> current flowing on the outside of your coax. That's often what gives you RF
> in the shack. Using a 1:1 "unun" transformer (choke) in your coax line is
> one way to go. You can also put ferrite toroids on all your rig connections
> - especially low-level lines like your mic cable.
>
> Safety grounding against lightning is yet a whole other problem.
>
> 73 Martin AA6E

>
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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6203. Re: [orion565] Grounding Question

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-20 19:20:49 UTC
From: Martin Ewing
Topic: 6197 Message: 6203

A choke at the rig might help, too.

73
Martin

On Tue, Jul 20, 2010 at 3:19 PM, Tim Randa <timranda@...> wrote:

> Thanks Martin...I do have a current choke on the windom at the apex.
> I'll try a few things here in the shack...the RF is just on a couple of
> bands.
>
> Tim
>
> On 7/20/2010 2:12 PM, Martin Ewing wrote:
> > On Tue, Jul 20, 2010 at 2:44 PM, kzerofl<timranda@...> wrote:
> >
>> Having a station on the second floor of my house I have on rare
> occasions
> >> had problems with RF in the shack due to my windom being stretched over
> the
> >> top of my house. The Orion has been more susceptible than most rigs I
> have
> >> owned and I'd like to throw a question to the group. I quote the manual
> >> "Antenna type and its proximity to the station
> >> are also factors in choosing ground methods. With good resonant antennas
> >> located away from the station, the AC ground in your house wiring might
> be
> >> adequate" Does this suggest that a connection from the radio to a
> ground
> >> lug in the house wiring is acceptable and effective? Other suggestions??
> >>
> >> 73 de Tim
> >>
> > Tim,
> >
> > The AC ground (green wire) is (generally) not a good RF ground. AC
> > grounding is all about electrical safety -- being sure that an AC fault
> on
> > your equipment (short to ground) will blow a fuse before it gets to you.
> >
> > RF grounding is not that way. You want to put your equipment at "zero"
> > potential relative to the infinite earth (whatever that is!). If your
> > distance away from the earth is more than a small fraction (like 1/10) of
> a
> > wavelength, you're not going to have a good RF ground, no matter what.
> > Doesn't matter how many ground rods or how fat a cable you use!

> >
> > You can sometimes "fool" your rig by providing a series-resonant (tuned)
> > ground lead -- but that only works for a small range of frequencies.
> >
> > It might be more effective if you could be sure that there is no antenna
> > current flowing on the outside of your coax. That's often what gives you
> RF
> > in the shack. Using a 1:1 "unun" transformer (choke) in your coax line is
> > one way to go. You can also put ferrite toroids on all your rig
> connections
> > - especially low-level lines like your mic cable.
> >
> > Safety grounding against lightning is yet a whole other problem.
> >
> > 73 Martin AA6E
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> > [Non-text portions of this message have been removed]
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--
Dr. Martin S. Ewing, AA6E
Member IEEE, URSI, AAS, ARRL
Branford, Connecticut

[Non-text portions of this message have been removed]

6204. Re: [orion565] Grounding Question

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-20 19:24:57 UTC
From: Tim Randa
Topic: 6197 Message: 6204

Ok ...after a quick check I have some weird results. When I place the radio on 10 meters and disconnect the microphone (TT 708) the rig flashes lights all over the place(RF). When I plug the mic in it stops till my hand gets about 4 inches from the mic and it starts again. (I'm keying the rig with cw at 100 watts)

Tim

On 7/20/2010 2:20 PM, Martin Ewing wrote:
> A choke at the rig might help, too.
>
> 73
> Martin
>
> On Tue, Jul 20, 2010 at 3:19 PM, Tim Randa<timranda@...> wrote:
>
>> Thanks Martin...I do have a current choke on the windom at the apex.
>> I'll try a few things here in the shack...the RF is just on a couple of
>> bands.
>>
>> Tim
>>
>> On 7/20/2010 2:12 PM, Martin Ewing wrote:
>>> On Tue, Jul 20, 2010 at 2:44 PM, kzerofl<timranda@...> wrote:
>>>
>>>> Having a station on the second floor of my house I have on rare
>> occasions
>>>> had problems with RF in the shack due to my windom being stretched over
>> the
>>>> top of my house. The Orion has been more susceptible than most rigs I
>> have
>>>> owned and I'd like to throw a question to the group. I quote the manual
>>>> "Antenna type and its proximity to the station
>>>> are also factors in choosing ground methods. With good resonant antennas
>>>> located away from the station, the AC ground in your house wiring might
>> be
>>>> adequate" Does this suggest that a connection from the radio to a
>> ground
>>>> lug in the house wiring is acceptable and effective? Other suggestions??
>>>>
>>>> 73 de Tim
>>>>
>>> Tim,
>>>
>>> The AC ground (green wire) is (generally) not a good RF ground. AC

>>> grounding is all about electrical safety -- being sure that an AC fault
>> on
>>> your equipment (short to ground) will blow a fuse before it gets to you.
>>>
>>> RF grounding is not that way. You want to put your equipment at "zero"
>>> potential relative to the infinite earth (whatever that is!). If your
>>> distance away from the earth is more than a small fraction (like 1/10) of
>> a
>>> wavelength, you're not going to have a good RF ground, no matter what.
>>> Doesn't matter how many ground rods or how fat a cable you use!
>>>
>>> You can sometimes "fool" your rig by providing a series-resonant (tuned)
>>> ground lead -- but that only works for a small range of frequencies.
>>>
>>> It might be more effective if you could be sure that there is no antenna
>>> current flowing on the outside of your coax. That's often what gives you
>> RF
>>> in the shack. Using a 1:1 "unun" transformer (choke) in your coax line is
>>> one way to go. You can also put ferrite toroids on all your rig
>> connections
>>> - especially low-level lines like your mic cable.
>>>
>>> Safety grounding against lightning is yet a whole other problem.
>>>
>>> 73 Martin AA6E
>>>
>>>
>>> [Non-text portions of this message have been removed]
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6205. Re: [orion565] Grounding Question

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-20 20:26:44 UTC
From: Troy W6HV
Topic: 6197 Message: 6205

Duane's method is very effective for RF. I used the same technique when I was in an second story shack back in Alabama. For AC ground I ran a heavy copper strap to a nearby water pipe. To protect from lightning, I had outside connectors to unhook everything when not in use.
Troy, W6HV

From: "Duane Calvin" <ac5aa1@...>
Sent: Tuesday, July 20, 2010 12:04 PM
To: <orion565@yahoogroups.com>
Subject: RE: [orion565] Grounding Question

> Why not try counterpoise grounds in the shack - quarter wavelength stubs
> for
> the bands you operate connected to your chassis ground on the rig. I run
> a
> KW into a G5RV Jr just over the roof and have zero problems with RF
> getting
> into my Orion, so it's most likely that the RF is coming back on your
> ground
> line, if you're using one. I don't see how the AC ground is going to help
> this problem.
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com

6206. Re: [orion565] Grounding Question

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-20 22:01:02 UTC
From: Robert Mcgraw
Topic: 6197 Message: 6206

The Windom is an unbalanced antenna. Some type of RF choke or un-un, that is a unbalanced to unbalanced balun system, should be employed at the radio. This can be a series of beads on the coax or a flat winding of coax on a 3" or 4" dia form. About 25 to 30 ft is required for 160M with lesser amount, 20 to 25 ft, for 75M. I refer to this as the "ugly balun".

As to ground, a good RF ground must be very short and very low inductance. Generally not achievable when on the 2nd floor of a structure. RF in the shack being radiation from the antenna is being picked up on every lead connected to and from the radio. The solution here, and maybe not practical, is more space between the antenna and radio.

The 3rd pin safety ground should be used as intended and required. Do not consider this to be any form of RF ground. It isn't.

Do connect every piece of equipment in the station using the star ground method back to a common point. The power supply ground terminal is mine. I use #10 auto primary wire with lugs crimped and soldered on the ends as my ground jumpers. Do not daisy chain equipment.

Today's radios such as the Orion II have many wide band inputs. The faster we expect these radios to perform in terms of handling data, internally and externally, mean the inputs are more susceptible to RF. High speed data is more like RF, the higher the speed, the higher the frequency.

73
Bob, K4TAX

> Ok ...after a quick check I have some weird results. When I place the
> radio on 10 meters and disconnect the microphone (TT 708) the rig
> flashes lights all over the place(RF). When I plug the mic in it stops
> till my hand gets about 4 inches from the mic and it starts again. (I'm
> keying the rig with cw at 100 watts)
>
> Tim
>
> On 7/20/2010 2:20 PM, Martin Ewing wrote:
>> A choke at the rig might help, too.
>>
>> 73
>> Martin
>>
>> On Tue, Jul 20, 2010 at 3:19 PM, Tim Randa<timranda@...> wrote:

>>
>>> Thanks Martin...I do have a current choke on the windom at the apex.
>>> I'll try a few things here in the shack...the RF is just on a couple
>>> of
>>> bands.
>>>
>>> Tim
>>>
>>> On 7/20/2010 2:12 PM, Martin Ewing wrote:
>>>> On Tue, Jul 20, 2010 at 2:44 PM, kzerofl<timranda@...> wrote:
>>>>
>>>>> Having a station on the second floor of my house I have on rare
>>> occasions
>>>>> had problems with RF in the shack due to my windom being stretched
>>>>> over
>>> the
>>>>> top of my house. The Orion has been more susceptible than most rigs
>>>>> I
>>> have
>>>>> owned and I'd like to throw a question to the group. I quote the
>>>>> manual
>>>>> "Antenna type and its proximity to the station
>>>>> are also factors in choosing ground methods. With good resonant
>>>>> antennas
>>>>> located away from the station, the AC ground in your house wiring
>>>>> might
>>> be
>>>>> adequate" Does this suggest that a connection from the radio to a
>>> ground
>>>>> lug in the house wiring is acceptable and effective? Other
>>>>> suggestions??
>>>>>
>>>>> 73 de Tim
>>>>>
>>>> Tim,
>>>>
>>>> The AC ground (green wire) is (generally) not a good RF ground. AC
>>>> grounding is all about electrical safety -- being sure that an AC
>>>> fault
>>> on
>>>> your equipment (short to ground) will blow a fuse before it gets to
>>>> you.
>>>>
>>>> RF grounding is not that way. You want to put your equipment at
>>>> "zero"
>>>> potential relative to the infinite earth (whatever that is!). If
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>>>> distance away from the earth is more than a small fraction (like
>>>> 1/10) of
>>> a

>>>> wavelength, you're not going to have a good RF ground, no matter
>>>> what.
>>>> Doesn't matter how many ground rods or how fat a cable you use!
>>>>
>>>> You can sometimes "fool" your rig by providing a series-resonant
>>>> (tuned)
>>>> ground lead -- but that only works for a small range of frequencies.
>>>>
>>>> It might be more effective if you could be sure that there is no
>>>> antenna
>>>> current flowing on the outside of your coax. That's often what gives
>>>> you
>>> RF
>>>> in the shack. Using a 1:1 "unun" transformer (choke) in your coax
>>>> line is
>>>> one way to go. You can also put ferrite toroids on all your rig
>>> connections
>>>> - especially low-level lines like your mic cable.
>>>>
>>>> Safety grounding against lightning is yet a whole other problem.
>>>>
>>>> 73 Martin AA6E
>>>>
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6207. VOX

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-20 22:28:21 UTC
From: mcelmer1
Topic: 1604 Message: 6207

I have an Orion with the Ten Tec headset/boom microphone. I am unable to find a Vox Trip Level setting that will work.

At 5 - 9% the VOX trips with the slightest movement. At 10% or a little higher the VOX "chops" the audio. I used Anti Vox settings from 0% to 40%; however, I don't have an Anti Vox issue with receiver audio tripping the the VOX.

Any suggestions?

W8TRN

[Non-text portions of this message have been removed]

6208. Re: [orion565] Grounding Question

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-20 22:34:11 UTC
From: amfone
Topic: 6197 Message: 6208

Tim

I tied into the AC ground system because that is code and you do not want a different ground potential between your ham station and the AC ground so you ground all together. That is the station ground outside should be connected in some manner to the AC ground wiring. In this case I tied into the case for an outside air conditioner which of course is grounded via the house ground and AC wiring. The actual ground stake for the house was about 100 feet from the ham ground system.

RF ground and AC ground are two different things but your gear needs to be grounded. Very few hams have an " actual RF ground system" .

Tim
WB8UHZ

From: Tim Randa <timranda@...>
To: orion565@yahoogroups.com
Sent: Tue, July 20, 2010 3:16:06 PM
Subject: Re: [orion565] Grounding Question

How did you tie into the house AC ground and why did you? I have never used any type of ground in 20 plus years in second story shacks. Is there a danger in using a banana plug and connecting the radio to just the ground plug in a wall three prong outlet?

Tim

On 7/20/2010 2:06 PM, amfone wrote:
> Tim
>
> I can tell you what I have done and I have a shack on the second floor. This
>is
> not the best in terms of ground systems but then the science of good ground
> systems is as in depth as proper antenna systems. I have never had issues.
All
> of my gear, 6 complete stations are all grounded together. I use RG8U running
> outside from the second floor, with the center conductor and the braid
soldered
> together. This is then connected to one two10 foot copper ground rods which
are
> then tired together, each is spaced 10 feet apart. They are tied together with
> RG8U with the center and ground braid again soldered together. I plan on
adding
> an additional 10 foot copper ground rod in a triangle configuration to
complete

> this ground system. The ground is also tied into the house AC ground. Again
>this
> set up has done the job but of course shorter runs of ground from he shack to
> the actual ground stakes would be better but like you I can only do what is
> attainable here.
>
> Good luck 73 Tim
> wb8uhz
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>
> _____
> From: kzerofl<timranda@att.net>
> To: orion565@yahoogroups.com
> Sent: Tue, July 20, 2010 2:44:35 PM
> Subject: [orion565] Grounding Question
>
>
> Having a station on the second floor of my house I have on rare occasions had
> problems with RF in the shack due to my windom being stretched over the top of
> my house. The Orion has been more susceptible than most rigs I have owned and
> I'd like to throw a question to the group. I quote the manual "Antenna type
and
> its proximity to the station
> are also factors in choosing ground methods. With good resonant antennas
> located away from the station, the AC ground in your house wiring might be
> adequate" Does this suggest that a connection from the radio to a ground lug
> in the house wiring is acceptable and effective? Other suggestions??
>
> 73 de Tim
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

6209. Re: [orion565] Grounding Question

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-21 00:03:20 UTC
From: Tim Randa
Topic: 6197 Message: 6209

Thanks Tim and everyone for taking the time to respond. Gives my
plenty of food for thought.

73 to all

de Tim KØFL

On 7/20/2010 5:34 PM, amfone wrote:
> Tim
>
> I tied into the AC ground system because that is code and you do not want a
> different ground potential between your ham station and the AC ground so you
> ground all together. That is the station ground outside should be connected in
> some manner to the AC ground wiring. In this case I tied into the case for an
> outside air conditioner which of course is grounded via the house ground and AC
> wiring. The actual ground stake for the house was about 100 feet from the ham
> ground system.
>
>
> RF ground and AC ground are two different things but your gear needs to be
> grounded. Very few hams have an " actual RF ground system" .
>
> Tim
> WB8UHZ
>
>
>
>
>
> _____
> From: Tim Randa<timranda@...>
> To: orion565@yahoogroups.com
> Sent: Tue, July 20, 2010 3:16:06 PM
> Subject: Re: [orion565] Grounding Question
>
>
> How did you tie into the house AC ground and why did you? I have never
> used any type of ground in 20 plus years in second story shacks. Is
> there a danger in using a banana plug and connecting the radio to just
> the ground plug in a wall three prong outlet?
>
> Tim
>
> On 7/20/2010 2:06 PM, amfone wrote:
>> Tim
>>

>> I can tell you what I have done and I have a shack on the second floor. This
>> is
>> not the best in terms of ground systems but then the science of good ground
>> systems is as in depth as proper antenna systems. I have never had issues.
> All
>> of my gear, 6 complete stations are all grounded together. I use RG8U running
>> outside from the second floor, with the center conductor and the braid
> soldered
>> together. This is then connected to one two10 foot copper ground rods which
> are
>> then tired together, each is spaced 10 feet apart. They are tied together with
>> RG8U with the center and ground braid again soldered together. I plan on
> adding
>> an additional 10 foot copper ground rod in a triangle configuration to
> complete
>> this ground system. The ground is also tied into the house AC ground. Again
>> this
>> set up has done the job but of course shorter runs of ground from he shack to
>> the actual ground stakes would be better but like you I can only do what is
>> attainable here.
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>> Good luck 73 Tim
>> wb8uhz
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>> _____
>> From: kzerofl<timranda@...>
>> To: orion565@yahoogroups.com
>> Sent: Tue, July 20, 2010 2:44:35 PM
>> Subject: [orion565] Grounding Question
>>
>>
>> Having a station on the second floor of my house I have on rare occasions had
>> problems with RF in the shack due to my windom being stretched over the top of
>> my house. The Orion has been more susceptible than most rigs I have owned and
>> I'd like to throw a question to the group. I quote the manual "Antenna type
> and
>> its proximity to the station
>> are also factors in choosing ground methods. With good resonant antennas
>> located away from the station, the AC ground in your house wiring might be
>> adequate" Does this suggest that a connection from the radio to a ground lug
>> in the house wiring is acceptable and effective? Other suggestions??
>>
>> 73 de Tim
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>> [Non-text portions of this message have been removed]
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6210. Re: [orion565] Grounding Question

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-21 00:06:56 UTC
From: Robert Mcgraw
Topic: 6197 Message: 6210

Any and all grounds should be bonded OUTSIDE of the structure.
Otherwise, one is inviting lighting energy into the structure. All
driven grounds must be tied together so as to minimize resistance between
them. Otherwise, during a nearby lightning strike as energy is
dissipated across the surface and though the earth, due to resistance
between the points, a step voltage will occur between the grounds. Any
equipment connected between any two grounds will be subject to this step
voltage. Damage is the most likely result.

Three grounds:
(a) AC mains or safety ground a.k.a 3rd pin ground. Should always be in
place for all equipment.

(b) Lightning ground, any and all efforts should be outside of the
structure, applied to all feed lines & rotor cables before they enter the
structure. Do not invite lightning into the structure.

(c) RF Ground, usually required for unbalanced antennas i.e. long wire,
sloper, off center fed Windom and etc. Not normally required for proper
matched coax fed antennas such as beams, dipoles with balun at feed point
etc. or antennas with a balanced feed system. Usually an extensive
array of buried radials with a common driven ground point. Must have
very short and low inductance between the RF source and its load.

73
Bob, K4TAX

> Tim
>
> I tied into the AC ground system because that is code and you do not want
> a
> different ground potential between your ham station and the AC ground so
> you
> ground all together. That is the station ground outside should be
> connected in
> some manner to the AC ground wiring. In this case I tied into the case
> for an
> outside air conditioner which of course is grounded via the house ground
> and AC
> wiring. The actual ground stake for the house was about 100 feet from the
> ham
> ground system.
>
>
> RF ground and AC ground are two different things but your gear needs to
> be

> grounded. Very few hams have an " actual RF ground system" .
>
> Tim
> WB8UHZ
>
>
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>
>
> _____
> From: Tim Randa <timranda@...>
> To: orion565@yahoogroups.com
> Sent: Tue, July 20, 2010 3:16:06 PM
> Subject: Re: [orion565] Grounding Question
>
>
> How did you tie into the house AC ground and why did you? I have never
> used any type of ground in 20 plus years in second story shacks. Is
> there a danger in using a banana plug and connecting the radio to just
> the ground plug in a wall three prong outlet?
>
> Tim
>
> On 7/20/2010 2:06 PM, amfone wrote:
>> Tim
>>
>> I can tell you what I have done and I have a shack on the second
>> floor. This
>>is
>> not the best in terms of ground systems but then the science of good
>> ground
>> systems is as in depth as proper antenna systems. I have never had
>> issues.
> All
>> of my gear, 6 complete stations are all grounded together. I use RG8U
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>> outside from the second floor, with the center conductor and the braid
> soldered
>> together. This is then connected to one two10 foot copper ground rods
>> which
> are
>> then tired together, each is spaced 10 feet apart. They are tied
>> together with
>> RG8U with the center and ground braid again soldered together. I plan
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> adding
>> an additional 10 foot copper ground rod in a triangle configuration to
> complete
>> this ground system. The ground is also tied into the house AC ground.
>> Again

>>this
>> set up has done the job but of course shorter runs of ground from he
>> shack to
>> the actual ground stakes would be better but like you I can only do
>> what is
>> attainable here.
>>
>> Good luck 73 Tim
>> wb8uhz
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>>
>> _____
>> From: kzerofl<timranda@...>
>> To: orion565@yahoogroups.com
>> Sent: Tue, July 20, 2010 2:44:35 PM
>> Subject: [orion565] Grounding Question
>>
>>
>> Having a station on the second floor of my house I have on rare
>> occasions had
>> problems with RF in the shack due to my windom being stretched over the
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>> my house. The Orion has been more susceptible than most rigs I have
>> owned and
>> I'd like to throw a question to the group. I quote the manual "Antenna
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> and
>> its proximity to the station
>> are also factors in choosing ground methods. With good resonant
>> antennas
>> located away from the station, the AC ground in your house wiring might
>> be
>> adequate" Does this suggest that a connection from the radio to a
>> ground lug
>> in the house wiring is acceptable and effective? Other suggestions??
>>
>> 73 de Tim
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>> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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6211. Flash Update

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-21 01:22:08 UTC
From: Sam
Topic: 6211 Message: 6211

I'm updating my ORION II with different firmware and very surprised at how slow it is. At approximately 2 minutes for each 10 lines of code to be written, and 10,700 lines of code, I am looking at hours and hours and hours (and hours) just to upgrade.

And if I don't like this version, it will take the same (plus or minus) amount of time to go back to another version ?

Wow! Is there a short cut or am I doing something wrong ? I'm following Ten-Tec's advice, using a USB to Serial cable and their "316" device driver for Windows 7. Also, probably can't quit halfway through as the radio would not have a complete set of instructions, and would just sit there and look stupid at me.

Thanks for any comments, and 73!

Sam
K3SAM

[Non-text portions of this message have been removed]

6212. Re: [orion565] Flash Update

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-21 01:57:30 UTC
From: James Streible
Topic: 6211 Message: 6212

Sam,

I don't know what is wrong with your setup but, I am using XP Home
and a not very fast computer and it only take 3 or 4 minutes to install
any of the recent versions to my O II. I have even install 3 versions
in one evening checking out the features for comparison.

Jim K4DLI

Sam wrote:
>
>
> I'm updating my ORION II with different firmware and very surprised at
> how slow it is. At approximately 2 minutes for each 10 lines of code to
> be written, and 10,700 lines of code, I am looking at hours and hours
> and hours (and hours) just to upgrade.
>
> And if I don't like this version, it will take the same (plus or minus)
> amount of time to go back to another version ?
>
> Wow! Is there a short cut or am I doing something wrong ? I'm
> following Ten-Tec's advice, using a USB to Serial cable and their "316"
> device driver for Windows 7. Also, probably can't quit halfway through
> as the radio would not have a complete set of instructions, and would
> just sit there and look stupid at me.
>
> Thanks for any comments, and 73!
>
> Sam
> K3SAM
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

6213. Re: [orion565] Flash Update

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-21 02:11:18 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6211 Message: 6213

THANKS!
I do that in Bold as I am very thankful for the quick replies.
I quit update and began over, this time it's like before, except on steroids.
Finished in minutes.
I would have been an old(er) man when it finished the other way.

73,
Sam

From: James Streible <k4dli@...>
To: orion565@yahoogroups.com
Sent: Tue, July 20, 2010 9:57:30 PM
Subject: Re: [orion565] Flash Update

Sam,

I don't know what is wrong with your setup but, I am using XP Home
and a not very fast computer and it only take 3 or 4 minutes to install
any of the recent versions to my O II. I have even install 3 versions
in one evening checking out the features for comparison.

Jim K4DLI

Sam wrote:
>
>
> I'm updating my ORION II with different firmware and very surprised at
> how slow it is. At approximately 2 minutes for each 10 lines of code to
> be written, and 10,700 lines of code, I am looking at hours and hours
> and hours (and hours) just to upgrade.
>
> And if I don't like this version, it will take the same (plus or minus)
> amount of time to go back to another version ?
>
> Wow! Is there a short cut or am I doing something wrong ? I'm
> following Ten-Tec's advice, using a USB to Serial cable and their "316"
> device driver for Windows 7. Also, probably can't quit halfway through
> as the radio would not have a complete set of instructions, and would
> just sit there and look stupid at me.
>
> Thanks for any comments, and 73!
>
> Sam
> K3SAM
>

> [Non-text portions of this message have been removed]
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Yahoo! Groups Links

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6214. Re: Grounding Question

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-21 11:52:50 UTC
From: Rolf Krogstad
Topic: 6197 Message: 6214

Tim,

There is an excellent write up on RFI by K9YC at
http://www.audiosystemsgroup.com/RFI-Ham.pdf
The title is "A Ham's Guide to RFI, Ferrites, Baluns and Audio Interfacing".

In addition to discussing the various types of ground and RFI it talks about
the different
types of material used for chokes and baluns and which type is appropriate
at different
frequencies.

There is a wealth of knowledge here and well worth the time it takes to read
it.

Rolf NR0T

>>
>> Posted by: "kzerofl" timranda@... kzerofl
>> Tue Jul 20, 2010 11:48 am (PDT)
>>
>> Having a station on the second floor of my house I have on rare
>> occasions had problems with RF in the >>shack due to my
>> windom being stretched over the top of my house. The Orion has
>> been more susceptible >>than most rigs I have owned and I'd like
>> to throw a question to the group. I quote the manual "Antenna
>> type and its proximity to the station are also factors in choosing
>> ground methods. With good resonant antennas located away from
>> the station, the AC ground in your house wiring might be adequate"
>>
>> Does this suggest that a connection from the radio to a ground lug
>> in the house wiring is acceptable and effective?
>> Other suggestions??
>>
>> 73 de Tim

[Non-text portions of this message have been removed]

6215. Re: [orion565] Re: Grounding Question

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-21 16:03:45 UTC
From: Bob McGraw - K4TAX
Topic: 6197 Message: 6215

Indeed, the information on the K9YC link is very good. Certainly worth printing and saving as well as reading.

73
Bob, K4TAX

----- Original Message -----
From: Rolf Krogstad
To: orion565@yahoogroups.com
Sent: Wednesday, July 21, 2010 6:52 AM
Subject: [orion565] Re: Grounding Question

Tim,

There is an excellent write up on RFI by K9YC at
http://www.audiosystemsgroup.com/RFI-Ham.pdf
The title is "A Ham's Guide to RFI, Ferrites, Baluns and Audio Interfacing".

In addition to discussing the various types of ground and RFI it talks about the different
types of material used for chokes and baluns and which type is appropriate at different
frequencies.

There is a wealth of knowledge here and well worth the time it takes to read it.

Rolf NR0T

>>
>> Posted by: "kzerofl" timranda@... kzerofl
>> Tue Jul 20, 2010 11:48 am (PDT)
>>
>> Having a station on the second floor of my house I have on rare
>> occasions had problems with RF in the >>shack due to my
>> windom being stretched over the top of my house. The Orion has
>> been more susceptible >>than most rigs I have owned and I'd like
>> to throw a question to the group. I quote the manual "Antenna
>> type and its proximity to the station are also factors in choosing
>> ground methods. With good resonant antennas located away from
>> the station, the AC ground in your house wiring might be adequate"
>>
>> Does this suggest that a connection from the radio to a ground lug
>> in the house wiring is acceptable and effective?
>> Other suggestions??
>>
>> 73 de Tim

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[Non-text portions of this message have been removed]

6216. CAT command for DVR ?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-24 13:15:22 UTC
From: f5jsd
Topic: 6216 Message: 6216

Good afternoon,

I am am using an Orion-2 with Win-Test contest logger program.
Win-Test has a feature allowing macro CAT commands to be assigned to Function keys.

This allows for instance to command Digital Voice Recorder messages from the K3 DVR module to be sent without touching the radio, only via the use of Win-Test.

I am wondering if there are any CAT commands in firmware 2.044A allowing the computer to send messages stored in O2 DVR memories. I could not find anything documented.

Any help appreciated.

73 de Pascal - F5JSD

6217. Lock-up in tune & CW mode Orion 566

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-24 16:04:06 UTC
From: w6hv@verizon.net
Topic: 6217 Message: 6217

Yesterday after a net on phone I was going to work some CW. As soon as I went to CW mode the Orion II went into full transmit and would not stop until I changed mode or turned the rig off. I tried to use the tune function and the same thing happened and it required turning off the rig to stop.

I tried a master reset twice, a RAM reset and then another master reset, and no luck. I reloaded the firmware and did a RAM and master reset again. The problem is still there. Of course it's the weekend and I can't call Ten-Tec. Any ideas as to what might work?

Troy, W6HV

6218. Re: [orion565] Lock-up in tune & CW mode Orion 566

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-24 17:06:17 UTC
From: Barry N1EU
Topic: 6217 Message: 6218

RF getting into the rig on a cable? Have you tried checking dummy load vs
antenna or different bands? How about reduced power?

73, Barry N1EU

On Sat, Jul 24, 2010 at 4:04 PM, <w6hv@...> wrote:

>
>
> Yesterday after a net on phone I was going to work some CW. As soon as I
> went to CW mode the Orion II went into full transmit and would not stop
> until I changed mode or turned the rig off. I tried to use the tune function
> and the same thing happened and it required turning off the rig to stop.
>
> I tried a master reset twice, a RAM reset and then another master reset,
> and no luck. I reloaded the firmware and did a RAM and master reset again.
> The problem is still there. Of course it's the weekend and I can't call
> Ten-Tec. Any ideas as to what might work?
>
> Troy, W6HV
>
>
>

[Non-text portions of this message have been removed]

6219. RE: [orion565] Lock-up in tune & CW mode Orion 566

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-24 19:34:52 UTC
From: John T. Fleming
Topic: 6217 Message: 6219

Troy,

Do you have anything plugged into the back of the rig? Is the PTT button pushed down on your mike so you can use VOX and the PTT circuit is set to key on transmit? Just some food for thought. I'll do it over until the computer gets it right!

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of w6hv@...
Sent: Saturday, July 24, 2010 12:04 PM
To: orion565@yahoogroups.com
Subject: [orion565] Lock-up in tune & CW mode Orion 566

Yesterday after a net on phone I was going to work some CW. As soon as I went to CW mode the Orion II went into full transmit and would not stop until I changed mode or turned the rig off. I tried to use the tune function and the same thing happened and it required turning off the rig to stop.

I tried a master reset twice, a RAM reset and then another master reset, and no luck. I reloaded the firmware and did a RAM and master reset again. The problem is still there. Of course it's the weekend and I can't call Ten-Tec. Any ideas as to what might work?

Troy, W6HV

[Non-text portions of this message have been removed]

6220. Re: [orion565] Lock-up in tune & CW mode Orion 566

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-24 20:39:46 UTC
From: Troy W6HV
Topic: 6217 Message: 6220

John,
I found the small stereo plug in the back key jack had shorted. I must have pulled my bug too much and created the short inside the plug. I cleared the short and all is now working.

I think my senior moments are getting longer! But, I wish T-T would use a standard stereo phone jack.

Thanks for the thoughts.
73,
Troy

From: "John T. Fleming" <john@...>
Sent: Saturday, July 24, 2010 12:34 PM
To: <orion565@yahoogroups.com>
Subject: RE: [orion565] Lock-up in tune & CW mode Orion 566

> Troy,
>
>
>
> Do you have anything plugged into the back of the rig? Is the PTT button
> pushed down on your mike so you can use VOX and the PTT circuit is set to
> key on transmit? Just some food for thought. I'll do it over until the
> computer gets it right!
>
>
>
> 73,
>
> John

6221. Changing the RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-26 22:32:40 UTC
From: kzerofl
Topic: 6221 Message: 6221

Just discovered the RIT control on my new to me 565 doesn't work as it should. When pushed it will reset the RIT/XIT but when turned it only will shift 10hz +/-. The RIT works fine when the radio is used with computer control. I suspect the encoder needs replaced. How hard is it to replace this? I haven't taken the lid off to take a look yet but was wondering just how hard it is to do a replacement.

Yes I have tried the usual...master reset, reloading past and current firmware.

73 de Tim

6222. Re: [orion565] Changing the RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-27 00:29:21 UTC
From: Barry N1EU
Topic: 6221 Message: 6222

The problem is endemic to the 565.

http://www.tentecwiki.org/doku.php?id=565ritfix

73, Barry N1EU

On Mon, Jul 26, 2010 at 10:32 PM, kzerofl <timranda@...> wrote:

>
>
> Just discovered the RIT control on my new to me 565 doesn't work as it
> should. When pushed it will reset the RIT/XIT but when turned it only will
> shift 10hz +/-. The RIT works fine when the radio is used with computer
> control. I suspect the encoder needs replaced. How hard is it to replace
> this? I haven't taken the lid off to take a look yet but was wondering just
> how hard it is to do a replacement.
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> Yes I have tried the usual...master reset, reloading past and current
> firmware.
>
> 73 de Tim
>
>
>

[Non-text portions of this message have been removed]

6223. RE: [orion565] Changing the RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-27 01:01:12 UTC
From: Robert Carroll
Topic: 6221 Message: 6223

I recently had my second 565 back at the mother ship for the RIT problem. I won't go into the long and boring details, but TT still had not had (at the time my unit went back) a unit display the symptom on the bench—which is a little amazing to me because the problem is apparently widespread in the 565—but it is often cured for a while by vibration—which occurs in shipment. Anyway, TT had concluded that with a high degree of probability the problem is a connector issue. Jack told me that they went to a new connector on the Orion II as a result. My unit went back around three months ago after having gotten into a RIT fail every fifteen minutes mode. So far there have been no failures since the unit came back. On the other hand, in olden days, after giving up on pulling the encoder knob, pressing the panel at appropriate places etc, folks did things like drop the front panel, resolder everything in sight, maybe change the encoder, etc. No matter what was done, it seemed to cure the problem for up to a year—then it returned. So my problem may be back at some point. Based on what Jack said though, I have hope that it is cured.

After one of Jack's friends contacted Jack and convinced him the problem was real, a document floated out from Paul Clinton on how to make the alleged repair. I don't think I have a copy, but someone on the reflector probably does. By make the repair I mean make the repair assuming it is the connector issue. There is also documentation someone may have on how to drop the panel and change the encoder, but the TT conclusion is (or was) that this is not an encoder issue. I think it cost me about $200 to have the repair done.

Good luck

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Monday, July 26, 2010 8:29 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Changing the RIT encoder

The problem is endemic to the 565.

http://www.tentecwiki.org/doku.php?id=565ritfix

73, Barry N1EU

On Mon, Jul 26, 2010 at 10:32 PM, kzerofl <timranda@... <mailto:timranda%40att.net> > wrote:

>
>
> Just discovered the RIT control on my new to me 565 doesn't work as it
> should. When pushed it will reset the RIT/XIT but when turned it only will
> shift 10hz +/-. The RIT works fine when the radio is used with computer
> control. I suspect the encoder needs replaced. How hard is it to replace
> this? I haven't taken the lid off to take a look yet but was wondering just
> how hard it is to do a replacement.

>
> Yes I have tried the usual...master reset, reloading past and current
> firmware.
>
> 73 de Tim
>
>
>

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.851 / Virus Database: 271.1.1/3029 - Release Date: 07/26/10 02:36:00

[Non-text portions of this message have been removed]

6224. RE: [orion565] Changing the RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-27 01:33:10 UTC
From: Duane Calvin
Topic: 6221 Message: 6224

There was quite a thread on the TT reflector a couple of years ago about this. Some could push or pull on the encoder and get it to work for a while, only to fail again later. Others did the resoldering you mentioned. But finally it was discovered that the connectors to the display board were not making good connection and simply removing (cleaning?) and replacing would make them good again for quite a while. So, all the encoder changes, apparently, were not really needed. Just the removal and reinstallation of the board (if it involved removing and replugging those cables) would do the trick. Best bet would be to go back in the TenTec reflector archives and look for this - probably "encoder" in the subject line would work. The discussion ran for quite a while.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Robert Carroll
Sent: Monday, July 26, 2010 8:01 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Changing the RIT encoder

I recently had my second 565 back at the mother ship for the RIT problem. I won't go into the long and boring details, but TT still had not had (at the time my unit went back) a unit display the symptom on the bench-which is a little amazing to me because the problem is apparently widespread in the 565-but it is often cured for a while by vibration-which occurs in shipment. Anyway, TT had concluded that with a high degree of probability the problem is a connector issue. Jack told me that they went to a new connector on the Orion II as a result. My unit went back around three months ago after having gotten into a RIT fail every fifteen minutes mode. So far there have been no failures since the unit came back. On the other hand, in olden days, after giving up on pulling the encoder knob, pressing the panel at appropriate places etc, folks did things like drop the front panel, resolder everything in sight, maybe change the encoder, etc. No matter what was done, it seemed to cure the problem for up to a year-then it returned. So my problem may be back at some point. Based on what Jack said though, I have hope that it is cured.

After one of Jack's friends contacted Jack and convinced him the problem was real, a document floated out from Paul Clinton on how to make the alleged repair. I don't think I have a copy, but someone on the reflector probably does. By make the repair I mean make the repair assuming it is the

connector issue. There is also documentation someone may have on how to drop the panel and change the encoder, but the TT conclusion is (or was) that this is not an encoder issue. I think it cost me about $200 to have the repair done.

Good luck

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Monday, July 26, 2010 8:29 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Changing the RIT encoder

The problem is endemic to the 565.

http://www.tentecwiki.org/doku.php?id=565ritfix

73, Barry N1EU

On Mon, Jul 26, 2010 at 10:32 PM, kzerofl <timranda@...
<mailto:timranda%40att.net> > wrote:

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> Just discovered the RIT control on my new to me 565 doesn't work as it
> should. When pushed it will reset the RIT/XIT but when turned it only will
> shift 10hz +/-. The RIT works fine when the radio is used with computer
> control. I suspect the encoder needs replaced. How hard is it to replace
> this? I haven't taken the lid off to take a look yet but was wondering
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> how hard it is to do a replacement.
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> Yes I have tried the usual...master reset, reloading past and current
> firmware.
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> 73 de Tim
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>
>

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.851 / Virus Database: 271.1.1/3029 - Release Date: 07/26/10 02:36:00

[Non-text portions of this message have been removed]

Yahoo! Groups Links

6225. RE: [orion565] Changing the RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-27 01:34:11 UTC
From: Duane Calvin
Topic: 6221 Message: 6225

Ooops, Barry posted this and I hadn't seen his response yet. Next time I'll read further down the stack before I reply!

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Monday, July 26, 2010 7:29 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Changing the RIT encoder

The problem is endemic to the 565.

http://www.tentecwiki.org/doku.php?id=565ritfix

73, Barry N1EU

On Mon, Jul 26, 2010 at 10:32 PM, kzerofl <timranda@...> wrote:

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> Just discovered the RIT control on my new to me 565 doesn't work as it
> should. When pushed it will reset the RIT/XIT but when turned it only will
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> control. I suspect the encoder needs replaced. How hard is it to replace
> this? I haven't taken the lid off to take a look yet but was wondering
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> how hard it is to do a replacement.
>
> Yes I have tried the usual...master reset, reloading past and current
> firmware.
>
> 73 de Tim
>
>
>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

6226. Re: [orion565] Changing the RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-27 00:16:30 UTC
From: John Huffman
Topic: 6221 Message: 6226

Not likely the encoder, although replacing it may be a very expensive
way to fix the real culprit - bad connector. See this -
http://www.tentecwiki.org/doku.php?id=565ritfix

73 de K1ESE
John

On 7/26/2010 6:32 PM, kzerofl wrote:
>
> Just discovered the RIT control on my new to me 565 doesn't work as it
> should. When pushed it will reset the RIT/XIT but when turned it only
> will shift 10hz +/-. The RIT works fine when the radio is used with
> computer control. I suspect the encoder needs replaced. How hard is it
> to replace this? I haven't taken the lid off to take a look yet but
> was wondering just how hard it is to do a replacement.
>
> Yes I have tried the usual...master reset, reloading past and current
> firmware.
>
> 73 de Tim
>
>

[Non-text portions of this message have been removed]

6227. Re: [orion565] Changing the RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-27 02:04:22 UTC
From: Tim Randa
Topic: 6221 Message: 6227

Thanks to everyone for the reply's. After researching the archives I tried one suggestion of pressing on the front panel. I pushed a couple of places and saw the RIT working some what. I then pushed hard between the main and the sub volume controls and it fixed the problem completely (temporarily I'm sure). It's a heck of a way to get things done....but it worked (for now)

73 to all

de Tim K?FL

On 7/26/2010 8:33 PM, Duane Calvin wrote:
> There was quite a thread on the TT reflector a couple of years ago about
> this. Some could push or pull on the encoder and get it to work for a
> while, only to fail again later. Others did the resoldering you mentioned.
> But finally it was discovered that the connectors to the display board were
> not making good connection and simply removing (cleaning?) and replacing
> would make them good again for quite a while. So, all the encoder changes,
> apparently, were not really needed. Just the removal and reinstallation of
> the board (if it involved removing and replugging those cables) would do the
> trick. Best bet would be to go back in the TenTec reflector archives and
> look for this - probably "encoder" in the subject line would work. The
> discussion ran for quite a while.
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Robert Carroll
> Sent: Monday, July 26, 2010 8:01 PM
> To: orion565@yahoogroups.com
> Subject: RE: [orion565] Changing the RIT encoder
>
> I recently had my second 565 back at the mother ship for the RIT problem.
> I won't go into the long and boring details, but TT still had not had (at
> the time my unit went back) a unit display the symptom on the bench-which is
> a little amazing to me because the problem is apparently widespread in the
> 565-but it is often cured for a while by vibration-which occurs in shipment.
> Anyway, TT had concluded that with a high degree of probability the problem
> is a connector issue. Jack told me that they went to a new connector on the
> Orion II as a result. My unit went back around three months ago after

> having gotten into a RIT fail every fifteen minutes mode. So far there have
> been no failures since the unit came back. On the other hand, in olden
> days, after giving up on pulling the encoder knob, pressing the panel at
> appropriate places etc, folks did things like drop the front panel,
> resolder everything in sight, maybe change the encoder, etc. No matter what
> was done, it seemed to cure the problem for up to a year-then it returned.
> So my problem may be back at some point. Based on what Jack said though, I
> have hope that it is cured.
>
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>
> After one of Jack's friends contacted Jack and convinced him the problem was
> real, a document floated out from Paul Clinton on how to make the alleged
> repair. I don't think I have a copy, but someone on the reflector probably
> does. By make the repair I mean make the repair assuming it is the
> connector issue. There is also documentation someone may have on how to
> drop the panel and change the encoder, but the TT conclusion is (or was)
> that this is not an encoder issue. I think it cost me about $200 to have
> the repair done.
>
>
>
> Good luck
>
> Bob W2WG
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Barry N1EU
> Sent: Monday, July 26, 2010 8:29 PM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Changing the RIT encoder
>
>
>
>
>
>
> The problem is endemic to the 565.
>
> http://www.tentecwiki.org/doku.php?id=565ritfix
>
> 73, Barry N1EU
>
> On Mon, Jul 26, 2010 at 10:32 PM, kzerofl<timranda@...
> <mailto:timranda%40att.net> > wrote:
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>> Just discovered the RIT control on my new to me 565 doesn't work as it
>> should. When pushed it will reset the RIT/XIT but when turned it only will

>> shift 10hz +/-. The RIT works fine when the radio is used with computer
>> control. I suspect the encoder needs replaced. How hard is it to replace
>> this? I haven't taken the lid off to take a look yet but was wondering
> just
>> how hard it is to do a replacement.
>>
>> Yes I have tried the usual...master reset, reloading past and current
>> firmware.
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>> 73 de Tim
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>>
>>
> [Non-text portions of this message have been removed]
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>
> No virus found in this incoming message.
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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6228. Orion II For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-27 03:34:56 UTC
From: David Yarnes
Topic: 2599 Message: 6228

I have a very nice Orion II for sale. It has the ATU installed, as well as all filters. This radio has been very lightly used, primarily because I now split my time between two locations, and the Orion is not a portable radio! So, I downsized to something that is portable, and the Orion II needs a better home! $3000.00 shipped to your U.S. address.

Dave W7AQK

6229. Re: Changing the RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-27 13:26:11 UTC
From: Anthony
Topic: 6221 Message: 6229

Tim,
A few months ago I had a problem with a bad mechanical encoder in my 565 (Bandwidth, had a dead spot). I decided that as long as I had to replace one of them, I would replace them all.

After replacing them, I tested them all to be sure they worked correctly.

Then a couple of weeks ago, I had reason to use the RIT control, and noticed the problem you (and others) have mentioned. I knew it wasn't a bad encoder (Or shouldn't be, since they were all replaced), so I opened the case, removed what I needed to, to get to the boards behind the front panel (if you check Ten-Tec's site and take a look at the V2 Logic Mod you can see how to do it). I pressed down on the encoder board near the header where it plugs onto the switch board socket. This fixed the problem.

Just thinking out loud, I wonder if it might be a matter of the strength of the contacts in the socket and a little aging of the contact surfaces in the socket and the mating pins. If it happens again on mine, I am thinking about using a very thin film of silver contact grease (CircuitWorks) to see if it permanently corrects the problem. It would have to be carefully applied to the header pins (Q-tip) and you'd have to be sure not to get it on anything else or across the socket surface, but I think it's worth a try.

Anthony, K4ZNO

--- In orion565@yahoogroups.com, "kzerofl" <timranda@...> wrote:
>
> Just discovered the RIT control on my new to me 565 doesn't work as it should. When pushed it will reset the RIT/XIT but when turned it only will shift 10hz +/-. The RIT works fine when the radio is used with computer control. I suspect the encoder needs replaced. How hard is it to replace this? I haven't taken the lid off to take a look yet but was wondering just how hard it is to do a replacement.
>
> Yes I have tried the usual...master reset, reloading past and current firmware.
>
> 73 de Tim
>

6230. Re: [orion565] Re: Changing the RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-27 13:41:14 UTC
From: Tim Randa
Topic: 6221 Message: 6230

Thanks for the info Anthony. I took a look at the TT web site and it looks fairly easy (but time consuming) process. I give it a shot when I get some time.

73 de Tim

On 7/27/2010 8:26 AM, Anthony wrote:
> Tim,
> A few months ago I had a problem with a bad mechanical encoder in my 565 (Bandwidth, had a dead spot). I decided that as long as I had to replace one of them, I would replace them all.
>
> After replacing them, I tested them all to be sure they worked correctly.
>
> Then a couple of weeks ago, I had reason to use the RIT control, and noticed the problem you (and others) have mentioned. I knew it wasn't a bad encoder (Or shouldn't be, since they were all replaced), so I opened the case, removed what I needed to, to get to the boards behind the front panel (if you check Ten-Tec's site and take a look at the V2 Logic Mod you can see how to do it). I pressed down on the encoder board near the header where it plugs onto the switch board socket. This fixed the problem.
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>
> Anthony, K4ZNO
>
> --- In orion565@yahoogroups.com, "kzerofl"<timranda@...> wrote:
>> Just discovered the RIT control on my new to me 565 doesn't work as it should. When pushed it will reset the RIT/XIT but when turned it only will shift 10hz +/-. The RIT works fine when the radio is used with computer control. I suspect the encoder needs replaced. How hard is it to replace this? I haven't taken the lid off to take a look yet but was wondering just how hard it is to do a replacement.
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>> 73 de Tim
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> Yahoo! Groups Links
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6231. Re: Changing the RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-27 13:57:09 UTC
From: vince_k7na
Topic: 6221 Message: 6231

I experienced the very same symptoms with the RIT on my Orion after it came back from the factory with the V2 mod a few years ago. After working closely over the phone with Tony at Tentec to test parameters of the problem, effect of master reset and pressing on the front panel, etc., I sent the rig to the factory earlier this year. All of the connectors on the board behind the display were replaced. I don't recall the expense, but it was pretty nominal. I received the rig a week later and the RIT/XIT control has functioned properly ever since, with no failures. Based on this, it appears to me the factory has found the problem and can solve it with new connectors.

Vince K7NA

6232. Re: Changing the RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-28 13:59:02 UTC
From: ve7tk
Topic: 6221 Message: 6232

John, KE5C, wrote up the RIT changeout process - complete with excellent photos. It is posted on my website.

http://www.ve7tk.com

Enjoy,

Rick
VE7TK

6233. Re: Changing the RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-29 13:09:49 UTC
From: Anthony
Topic: 6221 Message: 6233

Those instructions came in very handy when I changed all of the encoders in mine. I think I posted some additional comments after it was completed (I know I did at the contesting.com Ten-Tec list, just not sure about here).

Changing them all is not for the faint of heart!!!

But if you do need to change one or more of them, there's nothing like good pictures from someone who has been there.

--- In orion565@yahoogroups.com, "ve7tk" <ve7tk@...> wrote:
>
> John, KE5C, wrote up the RIT changeout process - complete with excellent photos. It is posted on my website.
>
> http://www.ve7tk.com
>
> Enjoy,
>
> Rick
> VE7TK
>

6234. Ten Tec 787 Headset Microphone

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-30 19:36:34 UTC
From: mcelmer1
Topic: 6234 Message: 6234

Does anyone have any comments about the 787? I'm very dissatisfied withe audio. Regardless of the settings on the Orion 1, the audio is either muffled or "unnatural" I have been informed that the 787 uses a different element that the 708 but that should not account for the poor audio.

One the other hand the 708 provides superior audio.

Comments, suggestions?

Mike
W8TRN

[Non-text portions of this message have been removed]

6235. Orion, LP-PAN, N4PY and PowerSDR-IF -- The Video

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-31 18:10:12 UTC
From: Rick W
Topic: 6235 Message: 6235

I have had some requests to produce a short video of the LP-PAN and Ten-Tec Orion hardware working together. The link to my first attempt at a video is posted on my website at:

http://www.ve7tk.com

Enter the site and in the Ten-Tec Orion section click on button labeled:

LP-PAN Video

Enjoy!

73,
Rick
VE7TK

Website: http://www.ve7tk.com

[Non-text portions of this message have been removed]

6236. Re: Changing the RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-07-31 19:13:27 UTC
From: Anthony
Topic: 6221 Message: 6236

This issue has returned on mine. Since I have a good dose of OCD, and can't stand not knowing why, I've been investigating this a bit.

Looking at the schematic, the circuit is very simple. They ground the encoder 'wiper' pin, and pull up the other two through 10k resistors (to 5v), then these go to another header through 100k resistors. It's the same for all of these encoders. I was wondering why they used 100k resistors, and note that these wind up going to what is basically an IO expander that is 3v. With such very low currents, it wouldn't take much to disrupt the pulses.

Something I did notice when reassembling the Orion after I replaced all the encoders, is that there is a very slight bow along the control board when the encoder in pressed into it's socket (I assume from the pressure of 24 pins being mechanically 'captive' to 24 socket connections). This might have caused a 'meeting' problem since the section of the header that the RIT encoder goes to is near the center of the string. There are 4, 6 pin sockets mounted end to end, not 1, 24 pin socket. Over time, with a slight alignment difference, the connection could get noisy.

First I will try cleaning the header pins and the sockets well, and applying some CircuitWorks CW7400 (cleaner/conditioner for gold/noble metal contacts). If this doesn't solve it completely, I will try CW7100, which is a conductive silver grease (not really grease in the strictest sense).

I will keep the list up to date on the results. It might be simpler to return it to Ten-Tec, but I just have to know why!!!

Anthony, K4ZNO

I note several emails and a few things that seemed to temporarily 'fix' this problem, but since it will drive me crazy until I figure it out, I am going to pursue it further.

It may not be fully resolvable without connector replacement, but I am going to see what can be done

--- In orion565@yahoogroups.com, "Anthony" <adb1x1@...> wrote:
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>
> Those instructions came in very handy when I changed all of the encoders in mine. I think I posted some additional comments after it was completed (I know I did at the contesting.com Ten-Tec list, just not sure about here).
>
> Changing them all is not for the faint of heart!!!
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> But if you do need to change one or more of them, there's nothing like good pictures from someone who has been there.
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> --- In orion565@yahoogroups.com, "ve7tk" <ve7tk@> wrote:

> >
> > John, KE5C, wrote up the RIT changeout process - complete with excellent photos. It is posted on my website.
> >
> > http://www.ve7tk.com
> >
> > Enjoy,
> >
> > Rick
> > VE7TK
> >
>

6237. Re: Changing the RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-01 15:49:30 UTC
From: Anthony
Topic: 6221 Message: 6237

I'm replying to my own post, so I guess I am kinda of talking to myself!

But, the more I look at the schematic, the more I wonder if the problem is actually at J15, after the 100k resistors. This is one of the sockets the logic board plugs into, with very long pins. I note that the picture of that board in the V2 mod doc shows non-gold plated pins. I don't remember if they are on mine or not. This would seem to be the most likely 'bad connection' point. It is also where the lowest current pulses would be.

This would explain why pressing on the face of the Orion near the Main AF control temporarily fixes the issue as well.

I am a bit surprised these pin are not gold plated, if the production Orion is the same way.

I will start there. If they are indeed not gold plated, silver conductive grease will be the first thing I try.

--- In orion565@yahoogroups.com, "Anthony" <adb1x1@...> wrote:
>
> This issue has returned on mine. Since I have a good dose of OCD, and can't stand not knowing why, I've been investigating this a bit.
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> --- In orion565@yahoogroups.com, "Anthony" <adb1x1@> wrote:
> >
> >
> > Those instructions came in very handy when I changed all of the encoders in mine. I think I posted some additional comments after it was completed (I know I did at the contesting.com Ten-Tec list, just not sure about here).
> >
> > Changing them all is not for the faint of heart!!!
> >
> > But if you do need to change one or more of them, there's nothing like good pictures from someone who has been there.
> >
> >
> > --- In orion565@yahoogroups.com, "ve7tk" <ve7tk@> wrote:
> > >
> > > John, KE5C, wrote up the RIT changeout process - complete with excellent photos. It is posted on my website.
> > >
> > > http://www.ve7tk.com
> > >
> > > Enjoy,
> > >
> > > Rick
> > > VE7TK
> > >
> >
>

6238. Re: [orion565] Re: Changing the RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-02 09:26:34 UTC
From: Martin
Topic: 6221 Message: 6238

Dne 1.8.2010 17:49, Anthony napsal(a):

> I am a bit surprised these pin are not gold plated, if the production Orion is the same way.
>

This is a serious issue causing the RIT problems. But our "SSB company" started to become known with extensive use of cheap parts (found at least in Orion 565):

- electrolytics caps
- fuse holder
- DC power input connector

Will be my next radio a Ten-Tec? Guess...

73
Martin, OK1RR

6239. Re: Changing the RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-02 13:21:06 UTC
From: Anthony
Topic: 6221 Message: 6239

Hi Martin,
I know any company has to consider cost, but in this case, if these pins are tin plated and the sockets are gold plated, the combination is bound to have issues over time; especially considering the temperature fluxuations in this compartment. I think there is more heat here than in the PA!

These temp changes are bound to cause minute movement of the pins in the connectors, causing some tin disposits on the gold contacts
and oxidation (which is harder than tin to tin oxides, so it's harder to break up). I read one test where a tin to gold contact had 1 milliohm resistance, and 20 mins later, after slight movement in a controled environment, it had 1 ohm. Imagine what would happen in a few months.

I think this is one area where long term reliability should have been considered above cost.
Given more time, I suspect there would be issues with more of the encoders.
I've not seen any pictures of the logic board from an Orion II, but I wonder if it has gold plated pins?

Anthony, K4ZNO

--- In orion565@yahoogroups.com, Martin <martin@...> wrote:
>
> Dne 1.8.2010 17:49, Anthony napsal(a):
>
> > I am a bit surprised these pin are not gold plated, if the production Orion is the same way.
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> This is a serious issue causing the RIT problems. But our "SSB company"
> started to become known with extensive use of cheap parts (found at
> least in Orion 565):
>
> - electrolytics caps
> - fuse holder
> - DC power input connector
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> Will be my next radio a Ten-Tec? Guess...
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> 73
> Martin, OK1RR
>

6240. Re: [orion565] Re: Changing the RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-02 13:56:25 UTC
From: Bob McGraw - K4TAX
Topic: 6221 Message: 6240

Yes, I agree, gold against tin is not typically a preferable combination from my experience. As to cost issues, I have not found any of these described issues with my Omni VII. It uses basically the same connectors, headers, ribbons and such. Although it may be that the original Orion may have used other brands or types of connectors.

While I don't have an Orion or Orion II to examine at present, it may be that the current/voltage across the connector is not adequate to allow "punch through" of any oxidation. {Gold oxidizes too.} The 100K build-out R's many need to be lowered in value to increase the current/voltage issue if this is the case.

Experience says that temp changes does cause movement of the connectors and headers. At the same time heating does typically increase oxidation based on the local environment. Sometimes a good engineering decision or a good accounting financial decision turns out to be a long term reliability issue.

73
Bob, K4TAX

----- Original Message -----
From: Anthony
To: orion565@yahoogroups.com
Sent: Monday, August 02, 2010 8:21 AM
Subject: [orion565] Re: Changing the RIT encoder

Hi Martin,
I know any company has to consider cost, but in this case, if these pins are tin plated and the sockets are gold plated, the combination is bound to have issues over time; especially considering the temperature fluxuations in this compartment. I think there is more heat here than in the PA!

These temp changes are bound to cause minute movement of the pins in the connectors, causing some tin disposits on the gold contacts
and oxidation (which is harder than tin to tin oxides, so it's harder to break up). I read one test where a tin to gold contact had 1 milliohm resistance, and 20 mins later, after slight movement in a controled environment, it had 1 ohm. Imagine what would happen in a few months.

I think this is one area where long term reliability should have been considered above cost.
Given more time, I suspect there would be issues with more of the encoders.
I've not seen any pictures of the logic board from an Orion II, but I wonder if it has gold plated pins?

Anthony, K4ZNO

--- In orion565@yahoogroups.com, Martin <martin@...> wrote:
>

> Dne 1.8.2010 17:49, Anthony napsal(a):
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> > I am a bit surprised these pin are not gold plated, if the production Orion is the same way.
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> This is a serious issue causing the RIT problems. But our "SSB company"
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> - electrolytics caps
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> - DC power input connector
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> Will be my next radio a Ten-Tec? Guess...
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> 73
> Martin, OK1RR
>

[Non-text portions of this message have been removed]

6241. Re: Changing the RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-02 15:15:37 UTC
From: Anthony
Topic: 6221 Message: 6241

Bob,
For sure 100k is surprising; in the microamp range at most, so pretty much no 'wiping current' at all.

I looked at the Orion II schematic and see they have the same resistor values, but I suspect they went to gold pins. Still, some oxide would form, as you mentioned, but probably would take a very long time compared to tin-gold.

I also looked at the schematic for the Omni VII, and note they use 470 ohm resistors with similar encoders. That's a lot more reasonable!

I can't find anything specific to adding silver into the mix (with a lubricant). I did find that a lubricant usual extends the time the connection continues to 'connect', and that silver-tin is not too bad as long as it's not in a harsh environment, but nothing about tin, silver (with lubricant) and gold.

I will try it and see if it takes care of the issue. Still, over time, I'm sure the pins will need to be 'exercised' to break up and oxidation that builds up.

Supposedly this CircuitWorks concoction is very temp stable and doesn't dry out, so hopefully it will extend the life of the connections to the EOF of the transceiver. It's not inexpensive ($27 for .25 oz), but would be worth it to stop this once and for all! I'm still waiting for it to be shipped from Allied.

We shall see!

--- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
>
> Yes, I agree, gold against tin is not typically a preferable combination from my experience. As to cost issues, I have not found any of these described issues with my Omni VII. It uses basically the same connectors, headers, ribbons and such. Although it may be that the original Orion may have used other brands or types of connectors.
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> While I don't have an Orion or Orion II to examine at present, it may be that the current/voltage across the connector is not adequate to allow "punch through" of any oxidation. {Gold oxidizes too.} The 100K build-out R's many need to be lowered in value to increase the current/voltage issue if this is the case.
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> Bob, K4TAX
>
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> ----- Original Message -----
> From: Anthony
> To: orion565@yahoogroups.com
> Sent: Monday, August 02, 2010 8:21 AM
> Subject: [orion565] Re: Changing the RIT encoder
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>
>
>
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> I know any company has to consider cost, but in this case, if these pins are tin plated and the sockets are gold plated, the combination is bound to have issues over time; especially considering the temperature fluxuations in this compartment. I think there is more heat here than in the PA!
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> Anthony, K4ZNO
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> --- In orion565@yahoogroups.com, Martin <martin@> wrote:
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> > Will be my next radio a Ten-Tec? Guess...
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> > 73

> > Martin, OK1RR
> >
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>
>
>
>
> [Non-text portions of this message have been removed]
>

6242. Re: [orion565] Re: Changing the RIT encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-02 16:35:43 UTC
From: Bob McGraw - K4TAX
Topic: 6221 Message: 6242

Decreasing the R values my increase current and reduce or eliminate the issue, however, it may increase zipper noise from the rotary encoders. The Omni VII has a very small amount of zipper noise under certain conditions. It is not objectionable in my usage and findings.

There are very few commercial contact cleaners and lubricants and "contact renew" concoctions that I trust. A clean lint free cloth and pure surgical grade isopropyl alcohol are my favorites for cleaning contacts. I did use Cramolin for a few years with success however, least amount used is best and more has been shown to create serious problems. Even the original 5% solution I found to be excessive and risky. I think the EPA concluded the stuff is dangerous and it has all but disappeared from the market or is under a different name and formulation, Deoxit. I have a 4 oz bottle, 100% concentration, of the RED and the BLUE. Based on the dilution I use, 1:1000, that quantity should last me at least 150 years and resulting in lots of controls and contacts cleaned.

73
Bob, K4TAX

----- Original Message -----
From: Anthony
To: orion565@yahoogroups.com
Sent: Monday, August 02, 2010 10:15 AM
Subject: [orion565] Re: Changing the RIT encoder

Bob,
For sure 100k is surprising; in the microamp range at most, so pretty much no 'wiping current' at all.

I looked at the Orion II schematic and see they have the same resistor values, but I suspect they went to gold pins. Still, some oxide would form, as you mentioned, but probably would take a very long time compared to tin-gold.

I also looked at the schematic for the Omni VII, and note they use 470 ohm resistors with similar encoders. That's a lot more reasonable!

I can't find anything specific to adding silver into the mix (with a lubricant). I did find that a lubricant usual extends the time the connection continues to 'connect', and that silver-tin is not too bad as long as it's not in a harsh environment, but nothing about tin, silver (with lubricant) and gold.

I will try it and see if it takes care of the issue. Still, over time, I'm sure the pins will need to be 'exercised' to break up and oxidation that builds up.

Supposedly this CircuitWorks concoction is very temp stable and doesn't dry out, so hopefully it will extend the life of the connections to the EOF of the transceiver. It's not inexpensive ($27 for .25 oz), but would be worth it to stop this once and for all! I'm still waiting for it to be shipped from Allied.

We shall see!

--- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
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> Experience says that temp changes does cause movement of the connectors and headers. At the same time heating does typically increase oxidation based on the local environment. Sometimes a good engineering decision or a good accounting financial decision turns out to be a long term reliability issue.
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> 73
> Bob, K4TAX
>
>
> ----- Original Message -----
> From: Anthony
> To: orion565@yahoogroups.com
> Sent: Monday, August 02, 2010 8:21 AM
> Subject: [orion565] Re: Changing the RIT encoder
>
>
>
>
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> Hi Martin,
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> I think this is one area where long term reliability should have been considered above cost.
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> I've not seen any pictures of the logic board from an Orion II, but I wonder if it has gold plated pins?
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> Anthony, K4ZNO
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> --- In orion565@yahoogroups.com, Martin <martin@> wrote:
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> > Will be my next radio a Ten-Tec? Guess...
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> > 73
> > Martin, OK1RR
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

6243. firmware upgrade or not? New user.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-05 03:22:40 UTC
From: mrniceguyisme2003
Topic: 6243 Message: 6243

Hi, Ive just bought a Orion2,I take delivery within a week,however it was initially purchased from the retailer about 4 to 5 months ago. Im not sure what firmware version it will have, and am wondering if I should update it upon arrival or leave it as is, as I heard that there is some issues with the latest update?
I havent read the manual yet either, however Il see if i can download a manual, so that as soon as it arrives, i can get it on air asap. Does anyone have any start up advice on any initial settings or procedure before I plug it in and start playing? (comes with all filters,ATU,and pwr supply/spkr,extra fan). And I plan to run it as an exciter for SPE Expert Amp,so i guess i need to arrange appropriate cables?
I also have a Yaesu MD100 desk mic,8 pin, which I hope to use. Is this compatable? Any settings suggestions?
Thanks for any advice.
vk3idx - Richard

6244. Re: [orion565] firmware upgrade or not? New user.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-05 06:06:40 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6243 Message: 6244

Hi Richard. Welcome to the Ozone. I too wondered about upgrading and it got to the point where I had to try, just to see what the newer versions were like. After trying the newest version, plus the beta downloads, I went back to 2.039d. They just don't have it right yet (IMO).

As far as the microphone, just make sure the audio ground and radio ground wires are separate and the mic should work fine. Sometimes you will run into an issue where someone has tied those two wires together, either at the mic side or at the 8 prong plug. If they are soldered together, separate them and do it right.

Also, check out T*T's YouTube site for lots of instructional video clips.

From my microphone to the antenna, I now have a 100% USA station (Heil, W2IHY, Ten-Tec, RF Concepts (alpha), Palstar, Ameritron, Dentron, Drake, Heathkit, Astron, etc...). Enough of the Japanese crap!

73,
Sam
K3SAM

From: mrniceguyisme2003 <msport325@gmail.com>
To: orion565@yahoogroups.com
Sent: Wed, August 4, 2010 11:22:40 PM
Subject: [orion565] firmware upgrade or not? New user.

Hi, Ive just bought a Orion2,I take delivery within a week,however it was initially purchased from the retailer about 4 to 5 months ago. Im not sure what firmware version it will have, and am wondering if I should update it upon arrival or leave it as is, as I heard that there is some issues with the latest update?
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I also have a Yaesu MD100 desk mic,8 pin, which I hope to use. Is this compatable? Any settings suggestions?
Thanks for any advice.
vk3idx - Richard

[Non-text portions of this message have been removed]

6245. Re: [orion565] firmware upgrade or not? New user.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-05 11:52:24 UTC
From: MSport 325
Topic: 6243 Message: 6245

thank for the info Sam. Judging by the eham reviews, the Regal mic seems to
be highly recommended.
Anyone with any opinions? I have a particular interest in good quality audio
but also effective for dx under not so perfect conditions.
Im thinking 200hz to 2900 may be a good tx setting ?

On Thu, Aug 5, 2010 at 4:06 PM, Sam W. Jacobs, C.E.T. <Sam@...> wrote:

>
>
> Hi Richard. Welcome to the Ozone. I too wondered about upgrading and it
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> the point where I had to try, just to see what the newer versions were
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> From my microphone to the antenna, I now have a 100% USA station (Heil,
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> 73,
> Sam
> K3SAM
>
> _____
> From: mrniceguyisme2003 <msport325@... <msport325%40gmail.com>>
> To: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> Sent: Wed, August 4, 2010 11:22:40 PM
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> I also have a Yaesu MD100 desk mic,8 pin, which I hope to use. Is this
> compatable? Any settings suggestions?
> Thanks for any advice.
> vk3idx - Richard
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

6246. Re: [orion565] firmware upgrade or not? New user.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-06 03:52:30 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6243 Message: 6246

I use the Heil Goldline Pro mic, which sounds excellent (so I've been told) on SSB. I use that with the W2IHY 8band EQ and Noise Gate and the W2IHY EQplus. That gives me full hi-fi SSB audio, and when I want that DX sound, I just crank the Bass down and turn the

Treble up.

The W2IHY equipment can make even a $1 Radio Shack project microphone sound like a $500 studio mic, so that is good place to start. The reason I'm using the Heil is that I got it 10+ years ago with my IC756pro. I just had to rewire it for the Yaesu / ORION configuration. Another reason I'm using Heil is because it is American made.

If you need my settings of the W2IHY equipment, just send me an email once you get the
piece(s).

73,
Sam
K3SAM

From: MSport 325 <msport325@gmail.com>
To: orion565@yahoogroups.com
Sent: Thu, August 5, 2010 7:52:24 AM
Subject: Re: [orion565] firmware upgrade or not? New user.

thank for the info Sam. Judging by the eham reviews, the Regal mic seems to be highly recommended.
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> To: orion565@yahoogroups.com <orion565%40yahoogroups.com>
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> [Non-text portions of this message have been removed]

>
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

6247. Re: [orion565] firmware upgrade or not? New user.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-06 04:41:44 UTC
From: Jim Koshmider
Topic: 6243 Message: 6247

OK, Sam -

I have the Heil mic and stand (all made for TenTec) and the 8-band W2IHY Eq and Noise Gate.

I would appreciate know which settings you enjoy most for DX, and also for rag-chewing. I am also going to try the mic and Eq on my IC-781 - just recently purchased, so the settings might come in hand for that set-up, too.   { Of course I will have to wire some adaptor cables to be able to go back and fourth between the two radios. }

Thanks es 73,

Jim, K8OZ

--- On Thu, 8/5/10, Sam W. Jacobs, C.E.T. <Sam@...> wrote:

From: Sam W. Jacobs, C.E.T. <Sam@k3sam.com>
Subject: Re: [orion565] firmware upgrade or not? New user.
To: orion565@yahoogroups.com
Date: Thursday, August 5, 2010, 11:52 PM

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The W2IHY equipment can make even a $1 Radio Shack project microphone sound like a $500 studio mic, so that is good place to start. The reason I'm using the Heil is that I got it 10+ years ago with my IC756pro. I just had to rewire it for the Yaesu / ORION configuration. Another reason I'm using Heil is because it is American made.

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Yahoo! Groups Links

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6248. Re: [orion565] firmware upgrade or not? New user.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-06 05:07:43 UTC
From: MSport 325
Topic: 6243 Message: 6248

Sam,Sounds like youve got a gr8 audio set up. What dsp frequency response bandwidth do u operate on ssb, particularly for dx. Im thinking 200hz to 2900hz may be a good starting point for me. How long have u had your Orion2 for? any issues of any sort?
cheers

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> Yahoo! Groups Links
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6249. Re: [orion565] firmware upgrade or not? New user.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-06 15:10:01 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6243 Message: 6249

Here is a spec sheet I created for anyone wanting to know my audio settings.

K3SAM Audio Settings
Date: 06Aug2010----------
==========
| Audio Chain:
==========Radio:
Firmware: 2.039d
DSP Version: 2.06b14W2IHY: W2IHY:
==========EQplus8band EQ & Noise GateORION IIHeil
Mic > 8band> EQplus> ORION II > Alpha 91b Amp > Palstar Tuner > Ant |HEIL
Wide
==========Microphone:W2IHY 8 Band
50 = + 12
100 = + 7
200 = - 4
400 = - 14
800 = - 0 -
1600 = + 1
2400 = + 8
3200 = + 14
Noise Gate = OffThe adjustment on the controls underneath the 8 band
unit will vary with each radio and deal with Mic input
and output to the next level (in this case, the EQPlus.)
==========Audio EQ and Noise Gate Settings:W2IHY
EQPlus TOP ROW
Bass = 12 O'clock
Treble = 2 O'clock
Switch = On
- -
Comp = 12 O'clock
DE Lev = 2 O'clock
Switch = On
- -
Output Level = 12 O'clockhowever will vary from
Radio to Radio.
- -
BOTTOM ROW
Mic = 600 Ohm
Mic Pwr = Off
Gain = 9 O'clock
- -
Delay = 12 O'clock
Level = 12 O'clock

Switch = # 2 Setting
----------Monitor Level doesn't matter

==========
Settings:ORION Settings:MAIN ScreenMIC = 50
SP = 2
----------Under MENU > SSBTX Filter BW = 3000 Hz
L.F. Rooloff = 50 Hz
H/W MIC Gain = 3.0 dB
==========
Email K3SAM at sam@... any comments or questions. Thanks & 73. Sam

---
From: MSport 325 <msport325@...>
To: orion565@yahoogroups.com
Sent: Fri, August 6, 2010 1:07:43 AM
Subject: Re: [orion565] firmware upgrade or not? New user.

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Yahoo! Groups Links

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6250. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-06 15:15:22 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 6250

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /ORION Audio Chain Settings - 05Aug10.wps
Uploaded by : k3sam <Sam@...>
Description : W2IHY General Settings for the ORION II

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/ORION%20Audio%20Chain%20Settings%20-%2005Aug10.wps

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

k3sam <Sam@...>

6251. Re: [orion565] firmware upgrade or not? New user.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-06 15:20:06 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6243 Message: 6251

The reply I made, directly posting my settings didn't turn out so good so I uploaded the WORD document to the file area. It's in .wps format. This is "general" settings using the ORION and the W2IHY audio gear. Your settings most likely will be different, however this will get you started.

73,
Sam
K3SAM

From: Jim Koshmider <k8oz1@...>
To: orion565@yahoogroups.com
Sent: Fri, August 6, 2010 12:41:44 AM
Subject: Re: [orion565] firmware upgrade or not? New user.

OK, Sam -

I have the Heil mic and stand (all made for TenTec) and the 8-band W2IHY Eq and Noise Gate.

I would appreciate know which settings you enjoy most for DX, and also for rag-chewing. I am also going to try the mic and Eq on my IC-781 - just recently purchased, so the settings might come in hand for that set-up, too. { Of course I will have to wire some adaptor cables to be able to go back and fourth between the two radios. }

Thanks es 73,

Jim, K8OZ

--- On Thu, 8/5/10, Sam W. Jacobs, C.E.T. <Sam@...> wrote:

From: Sam W. Jacobs, C.E.T. <Sam@...>
Subject: Re: [orion565] firmware upgrade or not? New user.
To: orion565@yahoogroups.com
Date: Thursday, August 5, 2010, 11:52 PM

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The W2IHY equipment can make even a $1 Radio Shack project microphone sound like

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Yahoo! Groups Links

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6252. Orion RIT Issue - A fix I HOPE

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-06 23:03:17 UTC
From: Anthony
Topic: 6252 Message: 6252

I finally received the conductive silver grease.

I found that the pins from the logic board to the front panel sockets are indeed tin plated. Luckily the sockets are too (or not so luckily) but in that environment and with no wiping current, tin is not such a good thing.

I applied the grease (a little tedious but not too bad). I will document it and post it as soon as I see if it's consistent.

The grease seems to be about the same consistency as white clay with plenty of moisture (thicker than I imagined), but this is a good thing: it will stay put, just a little more difficult to work with.

6253. TenTec Items FS

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-06 23:33:53 UTC
From: Ken Simpson, W8EK
Topic: 6253 Message: 6253

TenTec and related Items For Sale:

HF Transceiver, Antenna Tuners, Interface, Tuning Pod, Wattmeters, Power Supplies, Microphone, and more

TenTec 585 Paragon HF Transceiver:

The Paragon is a top of the line transceiver that includes a general coverage receiver. It covers 160-10 meters, including WARC bands, with 100 watts output. The receiver is fantastic. It has dual VFOs and many memories built in, along with a speech processor. Basically, it has about every feature that a ham could want in an HF rig.

This particular unit works 100% as best I can tell. Since the rig does so many things, I am sure that there is something I didn't test, but I don't know what it is (or I would have tested it!). It has had all updates completed by TenTec.

Cosmetically, it is in extremely nice shape. The front panel is extremely good. Most all of the lettering is clean and crisp. This one also has the Giehl chip in it making it similar to a Paragon II.

Large manual and power cord included for $650.

TenTec 238 Roller Inductor Antenna Tuner:

This HF antenna tuner will handle the full legal limit, and will match almost anything. It is rated to match loads up to 3000 ohms.
TenTec
It is an "L" network, which means that there is only one correct matching point, and not false readings like some tuners. It has a roller inductor that permits matching all HF bands, including the WARC bands.

In addition to the tuner, it also includes a wattmeter with 200 and 2000 watt scales, plus SWR bridge. There is also an antenna switch built in, so this unit will handle all of your antenna needs.

This particular unit works fine, and looks extremely nice. I can not find a scratch or defect on it. With paper work for $395.

MFJ 949 E Antenna Tuner

The MFJ-949E deluxe 300 watt Versa Tuner II gives you full coverage from 1.8 to 30 MHz, with a peak and average reading cross-needle

SWR/power meter. It features a custom designed inductor switch, 1000 volt tuning capacitors, Teflon insulation washers and proper L/C ratio to ensure arc-free operation with up to 300 Watts. MFJ's Cross-Needle Meter shows you SWR, forward and reflected power simultaneously. It reads both peak and average power on 300 or 30 watt ranges. A dummy load is built in. It includes an antenna switch for the two coaxial cables and one random wire or balanced line, in addition to the dummy load. It needs 12 V DC to illuminate the meter.

This is the current model that MFJ is selling. This particular unit works fine, and looks close to new. With paper work for $125.

TenTec Model 258 RS-232 interface board w/258-IBM Software
This accessory will add a computer interface to TenTec HF transceivers. I know for sure it works with the 585 Paragon, and my memory says it also works with the Omni V, and I think the Omni VI, although I think certain interations of the Omni VI included it as standard. It consists of a plug in board, plus cabling to a DB-25 connector.
In addition to the hardware, I also have the software, for use on a standard PC.
It is in good shape and works fine.
$135 for both the hardware and software

TenTec 301 "Tuning Pod"
This unit can be used with an Omni V and Omni VI, and I think most of the TenTec rigs that use an optical encoder. It permits one to tune the rig from a semi-remote location. This one works fine and looks very close to new. With paper work for $125.

TenTec 288, 1800 Hz filter
1800 hz for wide CW, narrow SSB or digital use
Fits Corsairs, Paragons, Omni V and VI, and others.
It looks like new, with paperwork. $75

MFJ 815 B Cross Needle Wattmeter:

The MFJ-815B cross-needle meter allows you to monitor both forward and reflected power, and SWR simultaneously. There are buttons to select either Peak or Average reading and power ranges of 200/2000 watts forward and 50/500 watts reflected. Frequency coverage is 1.8 to 60 MHz, so it covers 6 meters in addition to the HF bands, making it ideal for some of the new rigs that include 6 meters.
The peak reading function of this meter and meter light require external 12 V DC.

This particular unit works fine, and looks very close to new. With paper work for $65.

MFJ 815 (not the B model) similar to above.
It works fine, and looks good. With paper work for $50.

TenTec Power Supplies:

TenTec 961 power supply with speaker
Produces 20+ amps at 13.8 Volts DC.
This supply matches the Corsair II, Paragon, and Omni V/VI series.
A nice speaker is included. This particular unit works 100% and
looks very good. Paper work is included for $150.

TenTec Model 280 power supply, 20 amps at 13 V DC
This supply is quite heavy duty electrically. It has 2 pass
transistors, instead of the one that some have. It also has an
ammeter on it.
This one works fine, and looks OK as well.
A previous owner removed the molded in TenTec power
cable on the back and added very heavy binding posts,
so that it can be used with many different rigs and
not just TenTec. It also has a couple RCA jacks for
lower power use.
With paper work for $100.

"Switcher / 25" 25 amp switching power supply:
This is a 25 amp switching power supply in a case that
matches the early Omni series case, with the metal bezel
around it. It is in a case that is the same size as a 243
remote VFO. It has an ammeter on the front, along with
Switch, TenTec logo, and output bulb. The front panel
basically looks like a 280 power supply with a metal bezel,
but says "Switcher/25" on it. It is very quiet, and well
shielded, and does not produce any electrical noise that
I could find. $150

TenTec 705 desk microphone
This electret desk mic has the 4 pin connector, with PTT and
"hold" buttons. It works great, and looks like new.
With paper work for $75.

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

_____ Information from ESET NOD32 Antivirus, version of virus signature database 5348
(20100806) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

6254. Re: [orion565] firmware upgrade or not? New user.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-06 23:41:36 UTC
From: Bob McGraw - K4TAX
Topic: 6243 Message: 6254

I'd like to hear the radio with that mike and those processor settings.

When and what bands/freq do you operate?

73
Bob, K4TAX

----- Original Message -----
From: Sam W. Jacobs, C.E.T.
To: orion565@yahoogroups.com
Sent: Friday, August 06, 2010 10:10 AM
Subject: Re: [orion565] firmware upgrade or not? New user.

Here is a spec sheet I created for anyone wanting to know my audio settings.

K3SAM Audio Settings
Date: 06Aug2010----------
==========
| Audio Chain:
==========Radio:
Firmware: 2.039d
DSP Version: 2.06b14W2IHY: W2IHY:
==========EQplus8band EQ & Noise GateORION IIHeil
Mic > 8band> EQplus> ORION II > Alpha 91b Amp > Palstar Tuner > Ant |HEIL
Wide
==========Microphone:W2IHY 8 Band
50 = + 12
100 = + 7
200 = - 4
400 = - 14
800 = - 0 -
1600 = + 1
2400 = + 8
3200 = + 14
Noise Gate = OffThe adjustment on the controls underneath the 8 band
unit will vary with each radio and deal with Mic input
and output to the next level (in this case, the EQPlus.)
==========Audio EQ and Noise Gate Settings:W2IHY
EQPlus TOP ROW
Bass = 12 O'clock
Treble = 2 O'clock
Switch = On

Comp = 12 O'clock
DE Lev = 2 O'clock

Switch = On
- - - - - - - - - - - - - - - - - - - -
Output Level = 12 O'clockhowever will vary from
Radio to Radio.
- - - - - - - - - - - - - - - - - - - -
BOTTOM ROW
Mic = 600 Ohm
Mic Pwr = Off
Gain = 9 O'clock
- - - - - - - - - - - - - - - - - - - -
Delay = 12 O'clock
Level = 12 O'clock
Switch = # 2 Setting
- - - - - - - - - - - - - - - - - - - -Monitor Level doesn't matter
- - - - - - - - - - - - - - - - - - - -
==========
Settings:ORION Settings:MAIN ScreenMIC = 50
SP = 2
- - - - - - - - - - - - - - - - - - - -Under MENU > SSBTX Filter BW = 3000 Hz
L.F. Rooloff = 50 Hz
H/W MIC Gain = 3.0 dB
==========
Email K3SAM at sam@... any comments or questions. Thanks & 73. Sam

_____
From: MSport 325 <msport325@...>
To: orion565@yahoogroups.com
Sent: Fri, August 6, 2010 1:07:43 AM
Subject: Re: [orion565] firmware upgrade or not? New user.

Sam,Sounds like youve got a gr8 audio set up. What dsp frequency response
bandwidth do u operate on ssb, particularly for dx. Im thinking 200hz to
2900hz may be a good starting point for me. How long have u had your Orion2
for? any issues of any sort?
cheers

On Fri, Aug 6, 2010 at 1:52 PM, Sam W. Jacobs, C.E.T. <Sam@...> wrote:

>
>
> I use the Heil Goldline Pro mic, which sounds excellent (so I've been told)
> on
> SSB. I use that with the W2IHY 8band EQ and Noise Gate and the W2IHY
> EQplus.
> That gives me full hi-fi SSB audio, and when I want that DX sound, I just
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> the Bass down and turn the
>
> Treble up.
>
> The W2IHY equipment can make even a $1 Radio Shack project microphone sound

> like
> a $500 studio mic, so that is good place to start. The reason I'm using
> the
> Heil is that I got it 10+ years ago with my IC756pro. I just had to rewire
> it
> for the Yaesu / ORION configuration. Another reason I'm using Heil is
> because
> it is American made.
>
> If you need my settings of the W2IHY equipment, just send me an email once
> you
> get the
> piece(s).
>
> 73,
> Sam
> K3SAM
>
> _____
> From: MSport 325 <msport325@gmail.com <msport325%40gmail.com>>
> To: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> Sent: Thu, August 5, 2010 7:52:24 AM
> Subject: Re: [orion565] firmware upgrade or not? New user.
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> thank for the info Sam. Judging by the eham reviews, the Regal mic seems to
> be highly recommended.
> Anyone with any opinions? I have a particular interest in good quality
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> > After trying the newest version, plus the beta downloads, I went back to
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> > As far as the microphone, just make sure the audio ground and radio
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> > are separate and the mic should work fine. Sometimes you will run into
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> > at
> > the 8 prong plug. If they are soldered together, separate them and do it
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> > Also, check out T*T's YouTube site for lots of instructional video clips.
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> > From my microphone to the antenna, I now have a 100% USA station (Heil,
> > W2IHY,
> > Ten-Tec, RF Concepts (alpha), Palstar, Ameritron, Dentron, Drake,
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> > Astron, etc...). Enough of the Japanese crap!
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> > From: mrniceguyisme2003 <msport325@...
><msport325%40gmail.com><msport325%
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> > To: orion565@yahoogroups.com <orion565%40yahoogroups.com> <orion565%
> 40yahoogroups.com>
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> > Subject: [orion565] firmware upgrade or not? New user.
> >
> >
> >
> > Hi, Ive just bought a Orion2,I take delivery within a week,however it was
> > initially purchased from the retailer about 4 to 5 months ago. Im not
> sure
> > what
> > firmware version it will have, and am wondering if I should update it
> upon
> > arrival or leave it as is, as I heard that there is some issues with the
> > latest
> > update?
> > I havent read the manual yet either, however Il see if i can download a
> > manual,
> > so that as soon as it arrives, i can get it on air asap. Does anyone have
> > any
> > start up advice on any initial settings or procedure before I plug it in
> > and
> > start playing? (comes with all filters,ATU,and pwr supply/spkr,extra
> fan).
> > And I

> > plan to run it as an exciter for SPE Expert Amp,so i guess i need to
> > arrange
> > appropriate cables?
> > I also have a Yaesu MD100 desk mic,8 pin, which I hope to use. Is this
> > compatable? Any settings suggestions?
> > Thanks for any advice.
> > vk3idx - Richard
> >
> > [Non-text portions of this message have been removed]
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>
> Yahoo! Groups Links
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Yahoo! Groups Links

[Non-text portions of this message have been removed]

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6255. Re: [orion565] TenTec Items FS

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-06 23:53:56 UTC
From: James Skalski
Topic: 6253 Message: 6255

looks like spam without any orion info.

--- On Fri, 8/6/10, Ken Simpson, W8EK <KenW8EK@...> wrote:

From: Ken Simpson, W8EK <KenW8EK@...>
Subject: [orion565] TenTec Items FS
To: "TenTec orion565 at yahoo" <orion565@yahoogroups.com>, "TenTec_Pegasus Yahoo" <TenTec_Pegasus@egroups.com>
Date: Friday, August 6, 2010, 7:33 PM

TenTec and related Items For Sale:

HF Transceiver, Antenna Tuners, Interface, Tuning Pod, Wattmeters,

Power Supplies, Microphone, and more

TenTec 585 Paragon HF Transceiver:

The Paragon is a top of the line transceiver that includes a

general coverage receiver. It covers 160-10 meters, including

WARC bands, with 100 watts output. The receiver is fantastic.

It has dual VFOs and many memories built in, along with a

speech processor. Basically, it has about every feature that

a ham could want in an HF rig.

This particular unit works 100% as best I can tell. Since the

rig does so many things, I am sure that there is something I

didn't test, but I don't know what it is (or I would have

tested it!). It has had all updates completed by TenTec.

Cosmetically, it is in extremely nice shape. The front panel

is extremely good. Most all of the lettering is clean and

crisp. This one also has the Giehl chip in it making it

similar to a Paragon II.

Large manual and power cord included for $650.

TenTec 238 Roller Inductor Antenna Tuner:

This HF antenna tuner will handle the full legal limit, and will match almost anything. It is rated to match loads up to 3000 ohms.

TenTec

It is an "L" network, which means that there is only one correct matching point, and not false readings like some tuners. It has a roller inductor that permits matching all HF bands, including the WARC bands.

In addition to the tuner, it also includes a wattmeter with 200 and 2000 watt scales, plus SWR bridge. There is also an antenna switch built in, so this unit will handle all of your antenna needs.

This particular unit works fine, and looks extremely nice. I can not find a scratch or defect on it. With paper work for $395.

MFJ 949 E Antenna Tuner

The MFJ-949E deluxe 300 watt Versa Tuner II gives you full coverage from 1.8 to 30 MHz, with a peak and average reading cross-needle SWR/power meter. It features a custom designed inductor switch, 1000 volt tuning capacitors, Teflon insulation washers and proper L/C ratio to ensure arc-free operation with up to 300 Watts. MFJ's Cross-Needle Meter shows you SWR, forward and reflected power simultaneously. It reads both peak and average power on 300 or 30 watt ranges. A dummy load is built in. It includes an antenna switch for the two coaxial cables and one random wire or balanced line, in addition to the dummy load. It needs 12 V DC to illuminate the meter.

This is the current model that MFJ is selling. This particular unit works fine, and looks close to new. With paper work for $125.

TenTec Model 258 RS-232 interface board w/258-IBM Software

This accessory will add a computer interface to TenTec HF

transceivers. I know for sure it works with the 585 Paragon, and my memory says it also works with the Omni V, and I think the Omni VI, although I think certain interations of the Omni VI included it as standard. It consists of a plug in board, plus cabling to a DB-25 connector.

In addition to the hardware, I also have the software, for use on a standard PC.

It is in good shape and works fine.

$135 for both the hardware and software

TenTec 301 "Tuning Pod"

This unit can be used with an Omni V and Omni VI, and I think most of the TenTec rigs that use an optical encoder. It permits one to tune the rig from a semi-remote location. This one works fine and looks very close to new. With paper work for $125.

TenTec 288, 1800 Hz filter

1800 hz for wide CW, narrow SSB or digital use

Fits Corsairs, Paragons, Omni V and VI, and others.

It looks like new, with paperwork. $75

MFJ 815 B Cross Needle Wattmeter:

The MFJ-815B cross-needle meter allows you to monitor both forward and reflected power, and SWR simultaneously. There are buttons to select either Peak or Average reading and power ranges of 200/2000 watts forward and 50/500 watts reflected. Frequency coverage is 1.8 to 60 MHz, so it covers 6 meters in addition to the HF bands, making it ideal for some of the new rigs that include 6 meters.

The peak reading function of this meter and meter light require external 12 V DC.

This particular unit works fine, and looks very close to new.

With paper work for $65.

MFJ 815 (not the B model) similar to above.

It works fine, and looks good. With paper work for $50.

TenTec Power Supplies:

TenTec 961 power supply with speaker

Produces 20+ amps at 13.8 Volts DC.

This supply matches the Corsair II, Paragon, and Omni V/VI series.

A nice speaker is included. This particular unit works 100% and

looks very good. Paper work is included for $150.

TenTec Model 280 power supply, 20 amps at 13 V DC

This supply is quite heavy duty electrically. It has 2 pass

transistors, instead of the one that some have. It also has an

ammeter on it.

This one works fine, and looks OK as well.

A previous owner removed the molded in TenTec power

cable on the back and added very heavy binding posts,

so that it can be used with many different rigs and

not just TenTec. It also has a couple RCA jacks for

lower power use.

With paper work for $100.

"Switcher / 25" 25 amp switching power supply:

This is a 25 amp switching power supply in a case that

matches the early Omni series case, with the metal bezel

around it. It is in a case that is the same size as a 243

remote VFO. It has an ammeter on the front, along with

Switch, TenTec logo, and output bulb. The front panel

basically looks like a 280 power supply with a metal bezel,

but says "Switcher/25" on it. It is very quiet, and well

shielded, and does not produce any electrical noise that

I could find. $150

TenTec 705 desk microphone

This electret desk mic has the 4 pin connector, with PTT and

"hold" buttons. It works great, and looks like new.

With paper work for $75.

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson

E-mail to W8EK@... or W8EK@...

Voice Phone (352) 732-8400

_____ Information from ESET NOD32 Antivirus, version of virus signature database 5348 (20100806) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

[Non-text portions of this message have been removed]

6256. Re: [orion565] firmware upgrade or not? New user.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-07 10:59:47 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6243 Message: 6256

I'm on 75 meters most early mornings, 3.933 in the Black Sheep Lounge and monitor 3.805 in the afternoons when I'm in. I can go to any band (including 160) at almost any time if you wish to set up a test. Just let me know.

73,
Sam
K3SAM

From: Bob McGraw - K4TAX <RMcGraw@...>
To: orion565@yahoogroups.com
Sent: Fri, August 6, 2010 7:41:36 PM
Subject: Re: [orion565] firmware upgrade or not? New user.

I'd like to hear the radio with that mike and those processor settings.

When and what bands/freq do you operate?

73
Bob, K4TAX

----- Original Message -----
From: Sam W. Jacobs, C.E.T.
To: orion565@yahoogroups.com
Sent: Friday, August 06, 2010 10:10 AM
Subject: Re: [orion565] firmware upgrade or not? New user.

Here is a spec sheet I created for anyone wanting to know my audio settings.

K3SAM Audio Settings
Date: 06Aug2010----------
==========
| Audio Chain:
==========Radio:
Firmware: 2.039d
DSP Version: 2.06b14W2IHY: W2IHY:
==========EQplus8band EQ & Noise GateORION IIHeil

Mic > 8band> EQplus> ORION II > Alpha 91b Amp > Palstar Tuner > Ant |HEIL
Wide
==========Microphone:W2IHY 8 Band
50 = + 12
100 = + 7
200 = - 4
400 = - 14
800 = - 0 -
1600 = + 1

2400 = + 8
3200 = + 14
Noise Gate = OffThe adjustment on the controls underneath the 8 band
unit will vary with each radio and deal with Mic input
and output to the next level (in this case, the EQPlus.)
==========Audio EQ and Noise Gate Settings:W2IHY
EQPlus TOP ROW
Bass = 12 O'clock
Treble = 2 O'clock
Switch = On
- - - - - - - - - - - - - - - - - - - -
Comp = 12 O'clock
DE Lev = 2 O'clock
Switch = On
- - - - - - - - - - - - - - - - - - - -
Output Level = 12 O'clockhowever will vary from
Radio to Radio.
- - - - - - - - - - - - - - - - - - - -
BOTTOM ROW
Mic = 600 Ohm
Mic Pwr = Off
Gain = 9 O'clock
- - - - - - - - - - - - - - - - - - - -
Delay = 12 O'clock
Level = 12 O'clock
Switch = # 2 Setting
- - - - - - - - - - - - - - - - - - - -Monitor Level doesn't matter
- - - - - - - - - - - - - - - - - - - -
==========
Settings:ORION Settings:MAIN ScreenMIC = 50
SP = 2
- - - - - - - - - - - - - - - - - - - -Under MENU > SSBTX Filter BW = 3000 Hz
L.F. Rooloff = 50 Hz
H/W MIC Gain = 3.0 dB
==========
Email K3SAM at sam@... any comments or questions. Thanks & 73. Sam

_____
From: MSport 325 <msport325@gmail.com>
To: orion565@yahoogroups.com
Sent: Fri, August 6, 2010 1:07:43 AM
Subject: Re: [orion565] firmware upgrade or not? New user.

Sam,Sounds like youve got a gr8 audio set up. What dsp frequency response
bandwidth do u operate on ssb, particularly for dx. Im thinking 200hz to
2900hz may be a good starting point for me. How long have u had your Orion2
for? any issues of any sort?
cheers

On Fri, Aug 6, 2010 at 1:52 PM, Sam W. Jacobs, C.E.T. <Sam@...> wrote:

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> I use the Heil Goldline Pro mic, which sounds excellent (so I've been told)
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> SSB. I use that with the W2IHY 8band EQ and Noise Gate and the W2IHY
> EQplus.
> That gives me full hi-fi SSB audio, and when I want that DX sound, I just
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> the Bass down and turn the
>
> Treble up.
>
> The W2IHY equipment can make even a $1 Radio Shack project microphone sound
> like
> a $500 studio mic, so that is good place to start. The reason I'm using
> the
> Heil is that I got it 10+ years ago with my IC756pro. I just had to rewire
> it
> for the Yaesu / ORION configuration. Another reason I'm using Heil is
> because
> it is American made.
>
> If you need my settings of the W2IHY equipment, just send me an email once
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> Sent: Thu, August 5, 2010 7:52:24 AM
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> > Hi Richard. Welcome to the Ozone. I too wondered about upgrading and it
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> > After trying the newest version, plus the beta downloads, I went back to
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> > From my microphone to the antenna, I now have a 100% USA station (Heil,
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> > Ten-Tec, RF Concepts (alpha), Palstar, Ameritron, Dentron, Drake,
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> > K3SAM
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><msport325%40gmail.com><msport325%
> 40gmail.com>>
> > To: orion565@yahoogroups.com <orion565%40yahoogroups.com> <orion565%
> 40yahoogroups.com>
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> > Sent: Wed, August 4, 2010 11:22:40 PM
> > Subject: [orion565] firmware upgrade or not? New user.
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> >
> > Hi, Ive just bought a Orion2,I take delivery within a week,however it was
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> > start up advice on any initial settings or procedure before I plug it in
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> > And I
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> Yahoo! Groups Links
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Yahoo! Groups Links

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[Non-text portions of this message have been removed]

6257. Re: [orion565] firmware upgrade or not? New user.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-07 19:31:33 UTC
From: Robert Mcgraw
Topic: 6243 Message: 6257

One of the Tentec mikes such as the 709 and the Orion and proper mike
technique is all that is needed to get great sounding audio.

73
Bob, K4TX

> OK, Sam -
>
> I have the Heil mic and stand (all made for TenTec) and the 8-band W2IHY
> Eq and Noise Gate.
>
> I would appreciate know which settings you enjoy most for DX, and also
> for rag-chewing. I am also going to try the mic and Eq on my IC-781 -
> just recently purchased, so the settings might come in hand for that
> set-up, too.   { Of course I will have to wire some adaptor cables
> to be able to go back and fourth between the two radios. }
>
> Thanks es 73,
>
> Jim, K8OZ
>
>
>
> --- On Thu, 8/5/10, Sam W. Jacobs, C.E.T. <Sam@...> wrote:
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> From: Sam W. Jacobs, C.E.T. <Sam@...>
> Subject: Re: [orion565] firmware upgrade or not? New user.
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>> To: orion565@yahoogroups.com <orion565%40yahoogroups.com>
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>> Subject: [orion565] firmware upgrade or not? New user.
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>> fan)

6258. Re: [orion565] firmware upgrade or not? New user.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-08 02:21:59 UTC
From: Bob McGraw - K4TAX
Topic: 6243 Message: 6258

My take on this. Since one has 100 watts, then the transmit bandwidth becomes important. One could spread the 100 watts over 2800 Hz or so or one could spread it over 1500 Hz or so. This is about equal to adding some 3 dB of power. From a speech recognition and intelligibility point of view, look at your typical receiver band width. In a pile up situation likely about 1500 Hz is all one uses. Then look at RX bandwidth vs. PBT freq. That says in my case about 1500 Hz shifted about 300 Hz so the effective bandwidth on RX is closer to 1200 Hz. So my thinking is to pack as much energy as possible into the range of say 400 Hz to about 1800 Hz for a bandwidth of 1400 Hz. That typically fits nicely with the receiver bandwidth on the other end. Speech processing adds an increase to average level but be careful and not hit the ALC to heavy or distortion would likely result and the folks on either side of your signal won't be too happy.

For SSB rag chew I open things up to sound nice. For DX pile up bustin' I narrow the transmit bandwidth and push up the speech processor a bit. The radio does the work.

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Bob, K4TAX

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From: "MSport 325" <msport325@...>
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Sent: Friday, August 06, 2010 12:07 AM
Subject: Re: [orion565] firmware upgrade or not? New user.

> Sam,Sounds like youve got a gr8 audio set up. What dsp frequency response
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6259. Re: [orion565] firmware upgrade or not? New user.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-08 04:38:58 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6243 Message: 6259

The reason I commented in the first place is because I am not into DX or bustin' a big pile-up, I ragchew with friends who for the most part are running Hi-Fi audio and most of our receivers are cracked open to at least 3000hz.

The W2IHY equipment that we use adds tons of volume to our signal, and most of the time we don't care about getting the most out of our 100 watts, as our radios are running at about 25 watts, being used as exciters for our legal limit amplifiers.

Just the rest of my 2 cents.

73,
Sam
K3SAM

From: Bob McGraw - K4TAX <RMcGraw@...>
To: orion565@yahoogroups.com
Sent: Sat, August 7, 2010 10:21:59 PM
Subject: Re: [orion565] firmware upgrade or not? New user.

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6260. Re: [orion565] firmware upgrade or not? New user.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-08 23:17:46 UTC
From: MSport 325
Topic: 6243 Message: 6260

gr8 advice Bob! I never thought of it that way. Makes sense.

On Sun, Aug 8, 2010 at 2:38 PM, Sam W. Jacobs, C.E.T. <Sam@...> wrote:

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Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-09 01:13:08 UTC
From: Bob McGraw - K4TAX
Topic: 6243 Message: 6261

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>>
>> The reason I commented in the first place is because I am not into DX or
>> bustin'
>> a big pile-up, I ragchew with friends who for the most part are running
>> Hi-Fi
>> audio and most of our receivers are cracked open to at least 3000hz.
>>
>> The W2IHY equipment that we use adds tons of volume to our signal, and
>> most
>> of
>> the time we don't care about getting the most out of our 100 watts, as
>> our
>> radios are running at about 25 watts, being used as exciters for our
>> legal
>> limit
>> amplifiers.
>>
>> Just the rest of my 2 cents.
>>
>> 73,
>> Sam
>> K3SAM
>>
>> _________________________________
>> From: Bob McGraw - K4TAX <RMcGraw@... <RMcGraw%40Blomand.net>>
>> To: orion565@yahoogroups.com <orion565%40yahoogroups.com>
>> Sent: Sat, August 7, 2010 10:21:59 PM
>>
>> Subject: Re: [orion565] firmware upgrade or not? New user.
>>
>>
>>
>> My take on this. Since one has 100 watts, then the transmit bandwidth
```

>> becomes important. One could spread the 100 watts over 2800 Hz or so or
>> one
>>
>> could spread it over 1500 Hz or so. This is about equal to adding some 3
>> dB
>>
>> of power. From a speech recognition and intelligibility point of view,
>> look
>>
>> at your typical receiver band width. In a pile up situation likely about
>> 1500 Hz is all one uses. Then look at RX bandwidth vs. PBT freq. That
>> says
>> in my case about 1500 Hz shifted about 300 Hz so the effective bandwidth
>> on
>>
>> RX is closer to 1200 Hz. So my thinking is to pack as much energy as
>> possible into the range of say 400 Hz to about 1800 Hz for a bandwidth of
>> 1400 Hz. That typically fits nicely with the receiver bandwidth on the
>> other end. Speech processing adds an increase to average level but be
>> careful and not hit the ALC to heavy or distortion would likely result
>> and
>> the folks on either side of your signal won't be too happy.
>>
>> For SSB rag chew I open things up to sound nice. For DX pile up bustin' I
>> narrow the transmit bandwidth and push up the speech processor a bit. The
>> radio does the work.
>>
>> 73
>> Bob, K4TAX
>>
>> ----- Original Message -----
>> From: "MSport 325" <msport325@... <msport325%40gmail.com>>
>> To: <orion565@yahoogroups.com <orion565%40yahoogroups.com>>
>> Sent: Friday, August 06, 2010 12:07 AM
>> Subject: Re: [orion565] firmware upgrade or not? New user.
>>
>> > Sam,Sounds like youve got a gr8 audio set up. What dsp frequency
>> > response
>> > bandwidth do u operate on ssb, particularly for dx. Im thinking 200hz
>> > to
>> > 2900hz may be a good starting point for me. How long have u had your
>> > Orion2
>> > for? any issues of any sort?
>> > cheers
>> >
>> > On Fri, Aug 6, 2010 at 1:52 PM, Sam W. Jacobs, C.E.T.
>> > <Sam@...<Sam%40k3sam.com>>
>>
>> > wrote:
>> >

>> >>
>> >>
>> >> I use the Heil Goldline Pro mic, which sounds excellent (so I've been
>> >> told)
>> >> on
>> >> SSB. I use that with the W2IHY 8band EQ and Noise Gate and the W2IHY
>> >> EQplus.
>> >> That gives me full hi-fi SSB audio, and when I want that DX sound, I
>> just
>> >> crank
>> >> the Bass down and turn the
>> >>
>> >> Treble up.
>> >>
>> >> The W2IHY equipment can make even a $1 Radio Shack project microphone
>> >> sound
>> >> like
>> >> a $500 studio mic, so that is good place to start. The reason I'm
>> >> using
>> >> the
>> >> Heil is that I got it 10+ years ago with my IC756pro. I just had to
>> >> rewire
>> >> it
>> >> for the Yaesu / ORION configuration. Another reason I'm using Heil is
>> >> because
>> >> it is American made.
>> >>
>> >> If you need my settings of the W2IHY equipment, just send me an email
>> >> once
>> >> you
>> >> get the
>> >> piece(s).
>> >>
>> >> 73,
>> >> Sam
>> >> K3SAM
>> >>
>> >> _____
>> >> From: MSport 325 <msport325@...
>> >> <msport325%40gmail.com><msport325%
>> 40gmail.com>>
>> >> To: orion565@yahoogroups.com <orion565%40yahoogroups.com> <orion565%
>> 40yahoogroups.com>
>> >> Sent: Thu, August 5, 2010 7:52:24 AM
>> >> Subject: Re: [orion565] firmware upgrade or not? New user.
>> >>
>> >>
>> >> thank for the info Sam. Judging by the eham reviews, the Regal mic
>> >> seems
>> >>

>> >> to
>> >> be highly recommended.
>> >> Anyone with any opinions? I have a particular interest in good quality
>> >> audio
>> >> but also effective for dx under not so perfect conditions.
>> >> Im thinking 200hz to 2900 may be a good tx setting ?
>> >>
>> >> On Thu, Aug 5, 2010 at 4:06 PM, Sam W. Jacobs, C.E.T.
>> >> <Sam@... <Sam%40k3sam.com><Sam%40k3sam.com>>
>> >> wrote:
>> >>
>> >> >
>> >> >
>> >> > Hi Richard. Welcome to the Ozone. I too wondered about upgrading and
>> >> > it
>> >> > got to
>> >> > the point where I had to try, just to see what the newer versions
>> >> > were
>> >> > like.
>> >> > After trying the newest version, plus the beta downloads, I went
>> >> > back
>> >> > to
>> >> > 2.039d. They just don't have it right yet (IMO).
>> >> >
>> >> > As far as the microphone, just make sure the audio ground and radio
>> >> ground
>> >> > wires
>> >> > are separate and the mic should work fine. Sometimes you will run
>> >> > into
>> >> an
>> >> > issue
>> >> > where someone has tied those two wires together, either at the mic
>> side
>> >> or
>> >> > at
>> >> > the 8 prong plug. If they are soldered together, separate them and
>> >> > do
>> >> > it
>> >> > right.
>> >> >
>> >> > Also, check out T*T's YouTube site for lots of instructional video
>> >> > clips.
>> >> >
>> >> > From my microphone to the antenna, I now have a 100% USA station
>> (Heil,
>> >> > W2IHY,
>> >> > Ten-Tec, RF Concepts (alpha), Palstar, Ameritron, Dentron, Drake,
>> >> Heathkit,
>> >> >
>> >> > Astron, etc...). Enough of the Japanese crap!

>> >> >
>> >> > 73,
>> >> > Sam
>> >> > K3SAM
>> >> >
>> >> > _____
>> >> > From: mrniceguyisme2003 <msport325@... <msport325%40gmail.com>
>> >> > <msport325%40gmail.com><msport325%
>> >> 40gmail.com>>
>> >> > To: orion565@yahoogroups.com <orion565%40yahoogroups.com> <orion565%
>> 40yahoogroups.com> <orion565%
>> >> 40yahoogroups.com>
>> >>
>> >> > Sent: Wed, August 4, 2010 11:22:40 PM
>> >> > Subject: [orion565] firmware upgrade or not? New user.
>> >> >
>> >> >
>> >> >
>> >> > Hi, Ive just bought a Orion2,I take delivery within a week,however
>> >> > it
>> >> > was
>> >> > initially purchased from the retailer about 4 to 5 months ago. Im
>> >> > not
>> >> sure
>> >> > what
>> >> > firmware version it will have, and am wondering if I should update
>> >> > it
>> >> upon
>> >> > arrival or leave it as is, as I heard that there is some issues with
>> >> > the
>> >> > latest
>> >> > update?
>> >> > I havent read the manual yet either, however Il see if i can
>> >> > download
>> a
>> >> > manual,
>> >> > so that as soon as it arrives, i can get it on air asap. Does anyone
>> >> > have
>> >> > any
>> >> > start up advice on any initial settings or procedure before I plug
>> >> > it
>> >> > in
>> >> > and
>> >> > start playing? (comes with all filters,ATU,and pwr supply/spkr,extra
>> >> fan).
>> >> > And I
>> >> > plan to run it as an exciter for SPE Expert Amp,so i guess i need to
>> >> > arrange
>> >> > appropriate cables?
>> >> > I also have a Yaesu MD100 desk mic,8 pin, which I hope to use. Is

>> >> > this
>> >> > compatable? Any settings suggestions?
>> >> > Thanks for any advice.
>> >> > vk3idx - Richard
>> >> >
>> >> > [Non-text portions of this message have been removed]
>> >> >
>> >> >
>> >> >
>> >>
>> >> [Non-text portions of this message have been removed]
>> >>
>> >> ------------------------------------
>> >>
>> >> Yahoo! Groups Links
>> >>
>> >>
>> >> [Non-text portions of this message have been removed]
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>> > [Non-text portions of this message have been removed]
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>> > Yahoo! Groups Links
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> Yahoo! Groups Links

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>

6262. Re: Handmike wiring info for Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-05-12 21:45:34 UTC
From: k1fpv
Topic: 6050 Message: 6262

If you didn't give Ten-Tec a call, the hand mic that Ten-Tec used was a small electret mic. I wired my hand mic that came with my 526 for the 8 pin connector. I have another that came with my Argo V. I isolated my chasis ground and mic ground with caps....though ultimately they wind up in the same place....this avoided any ground loups and makes for nice clean audio.

If you have trouble figuring it out, I'll try to draw it on a schematic and scan it for you fo that I can email it.

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "vinster1k" <vinster100@...> wrote:
>
> Hand mic doesn't come with one new? Wow, that's strange all by itself. Well this is a TenTec hand mic at least. I checked the manual on how a mic "should" be wired, but of course it doesn't have anything on the hand mic itself and what is what. I opened the mic up and was totally confused by the wiring inside to the push button. I tried a few combinations without any luck.
>
> If anyone has a factory hand mic wired for a Orion II, I sure would appreciate a wiring diagram. Thanks.
>
> --- In orion565@yahoogroups.com, "Pumbaa" <pinkertontommrs@> wrote:
> >
> > I purchased my new Orion 2 from Ten Tec. No hand mike comes with the radio. You can DL the Orion II manual free from the Ten Tec website. About on page 8 of the PDF file is a wiring diagram for the mike.
> >
> > Tom AG8K
> >
> >
> > ----- Original Message -----
> > From: vinster1k
> > To: orion565@yahoogroups.com
> > Sent: Wednesday, May 12, 2010 10:40 AM
> > Subject: [orion565] Handmike wiring info for Orion II
> >
> >
> >
> > Hello all,
> >
> > I just purchased and received a used Orion II. I got a Ten Tec hand mike that I assume came with the radio, however it is not working. I don't believe it is wired properly.
> >
> > I was hoping someone could give send/tell me what the wiring should be for the stock

hand mic. I think maybe someone has been in this one. Pictures would be great too.
> >
> > Thanks.
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

6263. Possible Swap Jupiter for Omni VII/ Orion 565 ??

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-09 20:37:33 UTC
From: NZ8J
Topic: 6263 Message: 6263

I recently purchased a used Ten Tec Jupiter 538 (it has an 2004 serial number) and I am so pleased with it's operation that I would like to have a few more features and try to work out a swap for an Omni VII/AT or possibly an Orion 565/AT.

The Jupiter is a gray cabinet/green screen with the new chip in it adding the new CW functions. It also has a Ten Tec tuner installed. The condition is a 9.5, excellent condition, screen is perfect and it works as new.

I would like to swap with someone who has a Omni VII/AT or Orion 565/AT and who might want something a little simpler and cheaper in it's place and recover some cash in the process.

I have the manual and power cord, I do not have the original box, but it would be very well packed for shipment. It is from a non smoking environment.

I also have the Ten Tec 706 Microphone and Ten Tec 1208 6 Meter Transverter that can go with it if necessary.

If you have what I am looking for and would like to trade please email off list to nz8j@... with details of your radio (year of manufacture, options, etc) and how much difference you would require to swap. It must also be from a non smoking environment.

I do not want to sell the Jupiter outright at this time.

Thanks for looking
Tim
NZ8J
nz8j@...

[Non-text portions of this message have been removed]

6264. Re: Orion RIT Issue - A fix I HOPE

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-09 20:50:08 UTC
From: Anthony
Topic: 6252 Message: 6264

Just an update:

RIT is still working. It had been very unstable until this was done. I have had the Orion on for many hours and off for many hours, testing every time it crossed my mind (which has been often). I even turn it on for long enough to test when I walk by it, if its off.

I really suspect fretting of the tin contacts as the cause of most of the RIT issues. Doing anything that moved the connection a little (or alot) would temporarily fix it, but didn't address the real cause. It just so happens the RIT connection was mostly affected (maybe some combination of the location of the pins, the sockets, the mounting of the 'layers' of boards, etc). The way encoders are read by the processor, only one pin need have a problem and it could stop working (depending on how the programmer decided to handle errors). Hard to tell without seeing the source (which will probably never happen). There could even be an interrupt priority/timing situation in the control program that made it worse with the RIT encoder (these go to an IO expander, with lots of IO to deal with, so I can see the possibility).

It is my hope that the silver grease will prevent this from reoccurring.

Ultimately, time will tell.

I consider the use of tin and the lack of any 'wiping' current to be a real engineering faux pas, but one that was probably precipitated by an ill conceived cost savings measure.

I would really like to know if the Orion II has gold plated pins/sockets.

Please note that the subject line says "A Fix". I know better than to assume I have all the answers to anything!!!

I've begun documenting the procedure (which is very simple, its just good to have a list of needed materials and such before you start). After a little more testing, I'll complete it and add it to the files section.

Anthony, K4ZNO

--- In orion565@yahoogroups.com, "Anthony" <adb1x1@...> wrote:
>
> I finally received the conductive silver grease.
>
> I found that the pins from the logic board to the front panel sockets are indeed tin plated. Luckily the sockets are too (or not so luckily) but in that environment and with no wiping current, tin is not such a good thing.
>
> I applied the grease (a little tedious but not too bad). I will document it and post it as soon as I see if it's consistent.
>
> The grease seems to be about the same consistency as white clay with plenty of moisture

(thicker than I imagined), but this is a good thing: it will stay put, just a little more difficult to work with.
>

6265. Re: [orion565] Re: Orion RIT Issue - A fix I HOPE

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-09 22:01:43 UTC
From: Tim Randa
Topic: 6252 Message: 6265

I appreciate your time and effort on this Anthony.
I look forward to your posts

73 de Tim K?FL

On 8/9/2010 3:50 PM, Anthony wrote:
> Just an update:
>
> RIT is still working. It had been very unstable until this was done. I have had the Orion on for many hours and off for many hours, testing every time it crossed my mind (which has been often). I even turn it on for long enough to test when I walk by it, if its off.
>
> I really suspect fretting of the tin contacts as the cause of most of the RIT issues. Doing anything that moved the connection a little (or alot) would temporarily fix it, but didn't address the real cause. It just so happens the RIT connection was mostly affected (maybe some combination of the location of the pins, the sockets, the mounting of the 'layers' of boards, etc). The way encoders are read by the processor, only one pin need have a problem and it could stop working (depending on how the programmer decided to handle errors). Hard to tell without seeing the source (which will probably never happen). There could even be an interrupt priority/timing situation in the control program that made it worse with the RIT encoder (these go to an IO expander, with lots of IO to deal with, so I can see the possibility).
>
> It is my hope that the silver grease will prevent this from reoccurring.
>
> Ultimately, time will tell.
>
> I consider the use of tin and the lack of any 'wiping' current to be a real engineering faux pas, but one that was probably precipitated by an ill conceived cost savings measure.
>
> I would really like to know if the Orion II has gold plated pins/sockets.
>
> Please note that the subject line says "A Fix". I know better than to assume I have all the answers to anything!!!
>
> I've begun documenting the procedure (which is very simple, its just good to have a list of needed materials and such before you start). After a little more testing, I'll complete it and add it to the files section.
>
> Anthony, K4ZNO
>
>
> --- In orion565@yahoogroups.com, "Anthony"<adb1x1@...> wrote:
>> I finally received the conductive silver grease.
>>

>> I found that the pins from the logic board to the front panel sockets are indeed tin plated. Luckily the sockets are too (or not so luckily) but in that environment and with no wiping current, tin is not such a good thing.
>>
>> I applied the grease (a little tedious but not too bad). I will document it and post it as soon as I see if it's consistent.
>>
>> The grease seems to be about the same consistency as white clay with plenty of moisture (thicker than I imagined), but this is a good thing: it will stay put, just a little more difficult to work with.
>>
>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
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>
>

6266. Re: [orion565] Re: Orion RIT Issue - A fix I HOPE

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-09 21:10:18 UTC
From: Barry N1EU
Topic: 6252 Message: 6266

Thanks for the diligence and update Anthony. I've posted the info to the TenTec Wiki at http://www.tentecwiki.org/doku.php?id=565ritfix

73, Barry N1EU

On Mon, Aug 9, 2010 at 8:50 PM, Anthony <adb1x1@...> wrote:

>
>
> Just an update:
>
> RIT is still working. It had been very unstable until this was done. I have
> had the Orion on for many hours and off for many hours, testing every time
> it crossed my mind (which has been often). I even turn it on for long enough
> to test when I walk by it, if its off.
>
> I really suspect fretting of the tin contacts as the cause of most of the
> RIT issues. Doing anything that moved the connection a little (or alot)
> would temporarily fix it, but didn't address the real cause. It just so
> happens the RIT connection was mostly affected (maybe some combination of
> the location of the pins, the sockets, the mounting of the 'layers' of
> boards, etc). The way encoders are read by the processor, only one pin need
> have a problem and it could stop working (depending on how the programmer
> decided to handle errors). Hard to tell without seeing the source (which
> will probably never happen). There could even be an interrupt
> priority/timing situation in the control program that made it worse with the
> RIT encoder (these go to an IO expander, with lots of IO to deal with, so I
> can see the possibility).
>
> It is my hope that the silver grease will prevent this from reoccurring.
>
> Ultimately, time will tell.
>
> I consider the use of tin and the lack of any 'wiping' current to be a real
> engineering faux pas, but one that was probably precipitated by an ill
> conceived cost savings measure.
>
> I would really like to know if the Orion II has gold plated pins/sockets.
>
> Please note that the subject line says "A Fix". I know better than to
> assume I have all the answers to anything!!!
>
> I've begun documenting the procedure (which is very simple, its just good
> to have a list of needed materials and such before you start). After a
> little more testing, I'll complete it and add it to the files section.
>

> Anthony, K4ZNO
>
>
> --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, "Anthony"
> <adb1x1@...> wrote:
> >
> > I finally received the conductive silver grease.
> >
> > I found that the pins from the logic board to the front panel sockets are
> indeed tin plated. Luckily the sockets are too (or not so luckily) but in
> that environment and with no wiping current, tin is not such a good thing.
> >
> > I applied the grease (a little tedious but not too bad). I will document
> it and post it as soon as I see if it's consistent.
> >
> > The grease seems to be about the same consistency as white clay with
> plenty of moisture (thicker than I imagined), but this is a good thing: it
> will stay put, just a little more difficult to work with.
> >
>
>
>

[Non-text portions of this message have been removed]

6267. 715 RF Speech Processor & RFI

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-10 01:39:27 UTC
From: Bob McGraw - K4TAX
Topic: 6267 Message: 6267

Recent inquiry about mike wiring on one of the groups prompted me to investigate a recent RFI issue with the 715 RF Speech Processor. I also noted on eham.net that 2 or 3 posted reviews of the product indicated some RFI issues. All seemed to blame the cable between the 715 processor and the radio.

The original wiring configuration of the 1/4" TRS plug to the 8 pin plug is as follows:
Tip to pin 8 - this is MIC audio +
Ring to pin 6 - this is PTT
Sleeve to pin 5 via the blue wire
Sleeve to pin 7 via the shield

My correction to the problem was simply to reverse the shield originally on pin 7 and move it to pin 5.
The blue wire on pin 5 was moved to pin 7.

The solution was tried using the 709A mike and the 707 mike with equal results.being no RFI issue.

For those that need it, here is the 8 pin wiring:
Pin #1 = NC
Pin #2 = +10VDC
Pin #3 = NC
Pin #4 = NC
Pin #5 = GRD
Pin #6 = PTT
Pin #7 = MIC GRD
Pin #8 = MIC audio

73
Bob, K4TAX

[Non-text portions of this message have been removed]

6268. 715 RF Speech Processor & RFI

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-10 01:39:35 UTC
From: Bob McGraw - K4TAX
Topic: 6267 Message: 6268

Recent inquiry about mike wiring on one of the groups prompted me to investigate a recent RFI issue with the 715 RF Speech Processor. I also noted on eham.net that 2 or 3 posted reviews of the product indicated some RFI issues. All seemed to blame the cable between the 715 processor and the radio.

The original wiring configuration of the 1/4" TRS plug to the 8 pin plug is as follows:
Tip to pin 8 - this is MIC audio +
Ring to pin 6 - this is PTT
Sleeve to pin 5 via the blue wire
Sleeve to pin 7 via the shield

My correction to the problem was simply to reverse the shield originally on pin 7 and move it to pin 5.
The blue wire on pin 5 was moved to pin 7.

The solution was tried using the 709A mike and the 707 mike with equal results.being no RFI issue.

For those that need it, here is the 8 pin wiring:
Pin #1 = NC
Pin #2 = +10VDC
Pin #3 = NC
Pin #4 = NC
Pin #5 = GRD
Pin #6 = PTT
Pin #7 = MIC GRD
Pin #8 = MIC audio

73
Bob, K4TAX

[Non-text portions of this message have been removed]

6269. 715 RF Speech Processor & RFI

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-10 01:39:44 UTC
From: Bob McGraw - K4TAX
Topic: 6267 Message: 6269

Recent inquiry about mike wiring on one of the groups prompted me to investigate a recent RFI issue with the 715 RF Speech Processor. I also noted on eham.net that 2 or 3 posted reviews of the product indicated some RFI issues. All seemed to blame the cable between the 715 processor and the radio.

The original wiring configuration of the 1/4" TRS plug to the 8 pin plug is as follows:
Tip to pin 8 - this is MIC audio +
Ring to pin 6 - this is PTT
Sleeve to pin 5 via the blue wire
Sleeve to pin 7 via the shield

My correction to the problem was simply to reverse the shield originally on pin 7 and move it to pin 5.
The blue wire on pin 5 was moved to pin 7.

The solution was tried using the 709A mike and the 707 mike with equal results.being no RFI issue.

For those that need it, here is the 8 pin wiring:
Pin #1 = NC
Pin #2 = +10VDC
Pin #3 = NC
Pin #4 = NC
Pin #5 = GRD
Pin #6 = PTT
Pin #7 = MIC GRD
Pin #8 = MIC audio

73
Bob, K4TAX

[Non-text portions of this message have been removed]

6270. Re: 715 RF Speech Processor & RFI

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-10 01:44:19 UTC
From: Bob McGraw - K4TAX
Topic: 6267 Message: 6270

Sorry for the multiple posts on this message.

73
Bob, K4TAX
----- Original Message -----
From: Bob McGraw - K4TAX
To: orion565@yahoogroups.com ; Ten-Tec-Omni-VII@yahoogroups.com
Sent: Monday, August 09, 2010 8:39 PM
Subject: 715 RF Speech Processor & RFI

Recent inquiry about mike wiring on one of the groups prompted me to investigate a recent RFI issue with the 715 RF Speech Processor. I also noted on eham.net that 2 or 3 posted reviews of the product indicated some RFI issues. All seemed to blame the cable between the 715 processor and the radio.

The original wiring configuration of the 1/4" TRS plug to the 8 pin plug is as follows:
Tip to pin 8 - this is MIC audio +
Ring to pin 6 - this is PTT
Sleeve to pin 5 via the blue wire
Sleeve to pin 7 via the shield

My correction to the problem was simply to reverse the shield originally on pin 7 and move it to pin 5.
The blue wire on pin 5 was moved to pin 7.

The solution was tried using the 709A mike and the 707 mike with equal results.being no RFI issue.

For those that need it, here is the 8 pin wiring:
Pin #1 = NC
Pin #2 = +10VDC
Pin #3 = NC
Pin #4 = NC
Pin #5 = GRD
Pin #6 = PTT
Pin #7 = MIC GRD
Pin #8 = MIC audio

73
Bob, K4TAX

[Non-text portions of this message have been removed]

6271. rf and rx distortion -Help pls

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-10 22:44:04 UTC
From: MSport 325
Topic: 6271 Message: 6271

Just unpacked my near new Orion2.
Admittedly Im still reading the manual, and have had a little play around with some of the adjustments to try and rectify.
Compared to my many previous other brand radios, Receive seems distorted. It helps if i dont use any NB or NR, but still not as smooth as what Im used to. Sensitivity is good, but just the quality of receice audio is not quite right.
Also , Ive tried 2 yaesu mics,as i believe ots the same wiring, taken from my 1000mkV, and after a few adjustments, i was getting good reports on 40m using a dipole. Then moved to 20m with a triband yagi, and now getting reports of poor audio with RF. I also notice I can hear on tx , some rf coming through the tentec speaker(which is built in to the pwr supply). When I disconnect the speaker, the built in spkr in the radio is fine, but still getting rf on tx audio.
Spoke to a Australian Orion dealer, he has suggested getting the tentec desk mic.
All equipment is earthed/grounded, and all other radios work fine.
please any suggestions /advice would be welcome.

[Non-text portions of this message have been removed]

6272. Filter trade? #217 for #218 or #2018

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-11 13:29:18 UTC
From: Anthony
Topic: 6272 Message: 6272

I know this is a long shot, but I though I'd ask in case.

I have a newer #217 500hz filter (has both leads of the input and output caps soldered on the PC board rather than one lead soldered to the pin) that I don't need and would like to find a #218 1.8 khz filter (preferably later vintage as well) or even the 2018 (newer replacement for the 218). Anyone up for a trade??

I tested the 217 in my Orion a few days ago and it works fine. I have a 400hz Inrad in that position and don't use the 217.

Anthony, K4ZNO

6273. Re: rf and rx distortion -Help pls

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-11 18:39:41 UTC
From: y2kbrad_2000
Topic: 6271 Message: 6273

OM "WELCOME" and you are on a very steep learning curve. DO NOT run the
RF GAIN @ 100%!!!!
Again "DO NOT RUN THE RF GAIN @ 100%"!!!!!! Because the ORION has the
"BEST" receiver in the INDUSTRY,
"TURN THE RF GAIN TO ZERO (0), TURN UP YOU AUDIO GAIN, THEN TURN UP
YOUR RF GAIN
TO HEAR THE STATION, SOMEWHERE AROUND 62, AND YOUR DISTORTION AND BAND
NOISE
WILL DISAPPEAR!! ENJOY!!!!!
--- In orion565@yahoogroups.com, MSport 325 <msport325@...> wrote:
>
> Just unpacked my near new Orion2.
> Admittedly Im still reading the manual, and have had a little play
around
> with some of the adjustments to try and rectify.
> Compared to my many previous other brand radios, Receive seems
distorted. It
> helps if i dont use any NB or NR, but still not as smooth as what Im
used
> to. Sensitivity is good, but just the quality of receice audio is not
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> right.
> Also , Ive tried 2 yaesu mics,as i believe ots the same wiring, taken
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> my 1000mkV, and after a few adjustments, i was getting good reports on
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> using a dipole. Then moved to 20m with a triband yagi, and now getting
> reports of poor audio with RF. I also notice I can hear on tx , some
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> coming through the tentec speaker(which is built in to the pwr
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> I disconnect the speaker, the built in spkr in the radio is fine, but
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> getting rf on tx audio.
> Spoke to a Australian Orion dealer, he has suggested getting the
tentec desk
> mic.
> All equipment is earthed/grounded, and all other radios work fine.
> please any suggestions /advice would be welcome.
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

6274. Orion 565 For Sale - w/blue screen & accessories

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-12 03:16:11 UTC
From: deancobussen
Topic: 6274 Message: 6274

Hi all, i have enjoyed being part of the Orion group and using the 565 for the past few years. I am moving on and the rig is for sale. I have:

565 Rig - with a new blue screen and internal fan modifications.
307B - Ext Speaker
708A - Desk Mic
302R - Remote/Encoder keypad
OHL15 - Orion-to-HL-1.5 Band Data/Tokyo Amp band switching cable/interface

No PSU. Rig has some minor normal scratching on the cover but face looks good. Will ship in NZ or to Australia. I don't know if its worth sending any further since they are essentially cheaper in the USA anyway.

If you want to know more please email me outside the forum and we can discuss price.

regards,

Dean
ZL1COB

6275. Re: [orion565] Re: rf and rx distortion -Help pls

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-12 03:33:01 UTC
From: Robert Mcgraw
Topic: 6271 Message: 6275

Here's a link with very good info as it relates to the set-up of the
Orion II.

http://www.tentecwiki.org/doku.php?id=565_566_588_rf_af_gain

73
Bob, K4TAX

> OM "WELCOME" and you are on a very steep learning curve. DO NOT run the
> RF GAIN @ 100%!!!!
> Again "DO NOT RUN THE RF GAIN @ 100%"!!!!!! Because the ORION has the
> "BEST" receiver in the INDUSTRY,
> "TURN THE RF GAIN TO ZERO (0), TURN UP YOU AUDIO GAIN, THEN TURN UP
> YOUR RF GAIN
> TO HEAR THE STATION, SOMEWHERE AROUND 62, AND YOUR DISTORTION AND BAND
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> --- In orion565@yahoogroups.com, MSport 325 <msport325@...> wrote:
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>> coming through the tentec speaker(which is built in to the pwr
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>> I disconnect the speaker, the built in spkr in the radio is fine, but
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>> getting rf on tx audio.
>> Spoke to a Australian Orion dealer, he has suggested getting the
> tentec desk
>> mic.
>> All equipment is earthed/grounded, and all other radios work fine.

>> please any suggestions /advice would be welcome.
>>
>>
>> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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>

6276. OrionII Waterfall ?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-13 21:44:45 UTC
From: Simone IZ5DKJ
Topic: 6276 Message: 6276

Hi,
new to group and just have a question.
How can i have a waterfall on my o2?
I'm running fw 2.044A and dsp 2.10B110
but do not have a SWEEP DISPLAY OPTION spectrum/waterfall
but simple SWEEP RANGE --HZ.
What i miss?
Thanks a lot,
73 Simone IZ5DKJ
http://www.qrz.com/db/iz5dkj

[Non-text portions of this message have been removed]

6277. AW: [orion565] OrionII Waterfall ?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-14 01:09:51 UTC
From: Markus J.
Topic: 6276 Message: 6277

hi simone
this option is only for the beta
2.041XT firmware

markus DL9DU 73

--- Simone IZ5DKJ <iz5dkj@...> schrieb am Fr, 13.8.2010:

Von: Simone IZ5DKJ <iz5dkj@...>
Betreff: [orion565] OrionII Waterfall ?
An: orion565@yahoogroups.com
Datum: Freitag, 13. August, 2010 23:44 Uhr

Hi,
new to group and just have a question.
How can i have a waterfall on my o2?
I'm running fw 2.044A and dsp 2.10B110
but do not have a SWEEP DISPLAY OPTION spectrum/waterfall
but simple SWEEP RANGE --HZ.
What i miss?
Thanks a lot,
73 Simone IZ5DKJ
http://www.qrz.com/db/iz5dkj

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[Non-text portions of this message have been removed]

6278. Orion II 566 for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-14 13:38:02 UTC
From: wb1dx
Topic: 6278 Message: 6278

Selling my mint condition Orion II with 300, 600, and 1.8 optional filters. Downsizing the station.

None smoking environment. Boxes, manuals, etc..

$2650 shipped

wb1dx(at)charter(dot)net

73, Ken

6279. Re: [orion565] Orion II 566 for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-15 08:41:06 UTC
From: K Van Horn
Topic: 6278 Message: 6279

Hi Ken,

Do you still have the Orion 2 available? Are there any problems with it? Does it have the tuner installed? What is its' serial number?

As you can tell I am interested!

My cell phone number is 406-366-3896.

Thanks for your time!!

Kirby, K7EC

From: wb1dx
Sent: Saturday, August 14, 2010 7:38 AM
To: orion565@yahoogroups.com
Subject: [orion565] Orion II 566 for sale

Selling my mint condition Orion II with 300, 600, and 1.8 optional filters. Downsizing the station.

None smoking environment. Boxes, manuals, etc..

$2650 shipped

wb1dx(at)charter(dot)net

73, Ken

[Non-text portions of this message have been removed]

6280. RE: [orion565] Orion II 566 for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-15 12:11:11 UTC
From: WB1DX
Topic: 6278 Message: 6280

Hi Kirby,

You're second in line right now. I should know by this afternoon if it is sold or not. This unit does not have the ATU installed.

Here are some details in the mean time:

My cell number is 508-341-6544.

Trying to anticipate your questions, and perhaps not being at the radio this afternoon, here's some additional information:

* I have the original boxes.

* It was purchased new for $4536 in Mar 2008. Serial number is: 08C10147

* I had it serviced 3 mos after purchase, Aug of '08 for low sub-receiver audio. They replaced a logic board and it has been fine ever since. No problems, no issues. Everything works fantastic.

* I have the 2.041XT firmware loaded.

* I have the original "goodie bag" with all connectors, plus, fuses, etc.

* I drove an ACOM 1000 with it, so the finals have never seen more than 50 watts maximum.

* There are no modifications, alterations, hacks, or any other work performed on this radio.

* I am a YCCC contest club member and participate heavily in the ARRL and CQWW contests. The radio performs awesome in heavy band-crowded conditions.

* I get GREAT audio reports all the time, using nothing more than the radio and a Heil Pro-20 microphone.

The reason I am selling is I need to simplify, my availability will be very limited in the next few years. Until recently, I used the radio nearly every day, just listening, working DX, or playing in contests. But having a fairly large contest type station does not make sense for me right now and probably for the next 5-6 years. So, I will downsize the station for now and not feel guilty about having all this equipment that I really can't use.

I hope I touched on everything. If you know anything about Ten Tec radios, you know that this is a fantastic rig. You will not be disappointed.

I do have 1 in front of you and 1 behind you in queue. I will get back to you either way, sometime today most likely.

73, Ken

WB1DX

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of K Van Horn
Sent: Sunday, August 15, 2010 4:41 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion II 566 for sale

Hi Ken,

Do you still have the Orion 2 available? Are there any problems with it? Does it have the tuner installed? What is its' serial number?

As you can tell I am interested!

My cell phone number is 406-366-3896.

Thanks for your time!!

Kirby, K7EC

From: wb1dx
Sent: Saturday, August 14, 2010 7:38 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] Orion II 566 for sale

Selling my mint condition Orion II with 300, 600, and 1.8 optional filters. Downsizing the station.

None smoking environment. Boxes, manuals, etc..

$2650 shipped

wb1dx(at)charter(dot)net

73, Ken

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6281. Orion I RIT Fix

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-19 20:18:55 UTC
From: Anthony
Topic: 6281 Message: 6281

Since the RIT control on my 'greased' Orion has been trouble free, I completed the doc that 'splains how to do it.

I will post it to the files section. Please let me know if I have over or under explained something, or if I went on a spelling tangent somewhere.

Anthony, K4ZNO

6282. Re: [orion565] Orion I RIT Fix

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-19 22:34:36 UTC
From: Tim Randa
Topic: 6281 Message: 6282

Thanks Anthony. Your file was very well written. I'll give it a try
when I get the time.

73 de Tim K?FL

On 8/19/2010 3:18 PM, Anthony wrote:
> Since the RIT control on my 'greased' Orion has been trouble free, I completed the doc that 'splains how to do it.
>
> I will post it to the files section. Please let me know if I have over or under explained something, or if I went on a spelling tangent somewhere.
>
> Anthony, K4ZNO
>
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> Yahoo! Groups Links
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6283. Re: Orion I RIT Fix

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-20 00:34:10 UTC
From: Anthony
Topic: 6281 Message: 6283

Tim,

You must have read it after I corrected the errors!

It's amazing how many times you look over something, think it's fine, then read it AFTER posting it somewhere and see glaring things you missed the last 100 times you read it! And the sad thing is there are still a couple (mostly letters left out).

I wish that grease came in a little packet like CPU thermal grease does. You need so little of it, the syringe is almost like a quart bottle, comparatively speaking.

--- In orion565@yahoogroups.com, Tim Randa <timranda@...> wrote:
>
> Thanks Anthony. Your file was very well written. I'll give it a try
> when I get the time.
>
> 73 de Tim KØFL
>
> On 8/19/2010 3:18 PM, Anthony wrote:
> > Since the RIT control on my 'greased' Orion has been trouble free, I completed the doc that 'splains how to do it.
> >
> > I will post it to the files section. Please let me know if I have over or under explained something, or if I went on a spelling tangent somewhere.
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> > Anthony, K4ZNO
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6284. Re: [orion565] firmware upgrade or not? New user.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-20 18:07:09 UTC
From: Jim M.
Topic: 6243 Message: 6284

Can we change the subject line from firmware upgrade to anything else like the subject being discussed (mostly microphones and audio it seems)?

6285. Swan Song!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-21 02:25:17 UTC
From: David Yarnes
Topic: 6285 Message: 6285

This may be my last post here--at least for awhile! I've sold my Orion II, and now I don't have a Ten-Tec rig on the operating table for the first time in 30 years! So, I'm dropping out from this group, but I do wish all you Orion owners the very best. It's a great radio, but just wasn't quite what I needed at this stage of the game.

I do have to say that I was just a bit disappointed in the way that Ten-Tec has handled the Orion series. Although the company has great tech support, they really didn't have very good support for the radio, given its capabilities. I won't dwell on that--you either agree or disagree, and there is no sense starting up a back and forth controversy about all of that. I'll just say that I was able to achieve more of my personal preferences with a different radio.

The Ten-Tec folks are a great bunch, and hopefully one of these days I will be again looking at one of their fine products. Actually, I still have a few older Ten-Tec radios, albeit older models, so I'm still a fan!

In about a week I'll put in the "unsubscribe" message, but in the meantime, I can't resist watching to see if anyone gets really excited about something new from Ten-Tec support. The Orions are great radios, and deserve some real attention by the company to make them really perform. You all need to keep the pressure up to make them do that!

Dave W7AQK

6286. Re: [orion565] firmware upgrade or not? New user.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-21 09:26:49 UTC
From: MSport 325
Topic: 6243 Message: 6286

Well actually, im still undecided...and wondering if some Orion2 users can advise me as to what exactly is the benefit/features of the new firmware upgrade.

On Sat, Aug 21, 2010 at 4:07 AM, Jim M. <n4be_jim@...> wrote:

>
>
> Can we change the subject line from firmware upgrade to anything else like
> the subject being discussed (mostly microphones and audio it seems)?
>
>

[Non-text portions of this message have been removed]

6287. 566 Frequent loss of main and/or sub audio at power on

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-21 21:54:41 UTC
From: Robert
Topic: 6287 Message: 6287

I have a feeling this one is going to mean sending the girl back to Ten-Tec, but I thought I'd give this a shot first. I have an Orion II with 2.044 firmware, but I had this problem on the previous version (2.039) also. Often, when I power on the radio, I will get no audio (other than some hiss) on the main Rx or the sub Rx, or sometimes both. Cycling power on the radio 1 - 3 times generally fixes it. Performing a complete reset will also fix it, but the problem will just return within a day or two.

Often while powering up, the radio will get to the point after the logo screen and just before you hear a relay kick in, and the radio will appear to reset itself and perform the entire power-on sequence again. I have seen it do this as many as 4 times before the radio completes powering up.

Once the radio gets in a "stable" state (i.e., audio on both receivers works), it will function perfectly until after I turn it off, then turn it back on (generally 8 - 24 hours later).

Any ideas would be greatly appreciated. By the way, the Orion has the tuner and all roofing filters installed, but no other modifications (other than the occasional firmware updates). The radio has been exhibiting this behavior for roughly the last 1 - 2 months (pretty much after Field Day -- go figure).

Thanks in advance and 73,

Bob WA4FOM

6288. Regal 707 mic settings

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-21 09:49:50 UTC
From: mrniceguyisme2003
Topic: 6288 Message: 6288

The mic settings that were provided on the instruction sheet were way off in my opinion. I had to yell in the mic to get decent audio output.
A friend helped me on air to adjust settings, and now I get complimentary reports. Its been set up for general rag chew:
3000hz, low cut off 80hz ,mic gain 50, h/w mic gain 13 or 14, SP 3.
Anyone try out this setting and let me know you results...or if u have any other suggestions.
By the way, i was getting rf with a Yaesu desk mic i tried , with the Regal...no probs

6289. Re: [orion565] 566 Frequent loss of main and/or sub audio at power on

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-22 02:42:06 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6287 Message: 6289

Two things that I would look at Bob, First is the power supply. That's from the PS unit to the radio including the fuse holder.

The second is a reload of the firmware. I understand you just went from .039d to .044x however everything you are describing seems to be either an issue of the firmware, or the radio being starved for current (thus where a bad fuse holder might come into play).

Just my 2 cents. Good luck.
73,
Sam
K3SAM

From: Robert <bobdobson@...>
To: orion565@yahoogroups.com
Sent: Sat, August 21, 2010 5:54:41 PM
Subject: [orion565] 566 Frequent loss of main and/or sub audio at power on

I have a feeling this one is going to mean sending the girl
back to Ten-Tec, but I thought I'd give this a shot first. I
have an Orion II with 2.044 firmware, but I had this problem
on the previous version (2.039) also. Often, when I power
on the radio, I will get no audio (other than some hiss) on
the main Rx or the sub Rx, or sometimes both. Cycling power
on the radio 1 - 3 times generally fixes it. Performing a
complete reset will also fix it, but the problem will just
return within a day or two.

Often while powering up, the radio will get to the point after
the logo screen and just before you hear a relay kick in, and
the radio will appear to reset itself and perform the entire
power-on sequence again. I have seen it do this as many as
4 times before the radio completes powering up.

Once the radio gets in a "stable" state (i.e., audio on both
receivers works), it will function perfectly until after I turn
it off, then turn it back on (generally 8 - 24 hours later).

Any ideas would be greatly appreciated. By the way, the Orion
has the tuner and all roofing filters installed, but no other
modifications (other than the occasional firmware updates).
The radio has been exhibiting this behavior for roughly the last
1 - 2 months (pretty much after Field Day -- go figure).

Thanks in advance and 73,

Bob WA4FOM

[Non-text portions of this message have been removed]

6290. Re: [orion565] firmware upgrade or not? New user.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-22 03:14:27 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6243 Message: 6290

I switched firmware from .039 to the latest version and noticed immediately that the audio was distorted which included pops and clicks. Just as quickly I moved back to .039d. My one and only gripe with T*T is that their software development is not nearly where it should be.

I just wish their software development team was a strong as their service (#1) department. I can't compliment them enough there. If you haven't checked out their YouTube videos, they are also all nicely produced and informative.

-Sam
K3Sam

_____
From: MSport 325 <msport325@...>
To: orion565@yahoogroups.com
Sent: Sat, August 21, 2010 5:26:49 AM
Subject: Re: [orion565] firmware upgrade or not? New user.

Well actually, im still undecided...and wondering if some Orion2 users can advise me as to what exactly is the benefit/features of the new firmware upgrade.

On Sat, Aug 21, 2010 at 4:07 AM, Jim M. <n4be_jim@...> wrote:

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> the subject being discussed (mostly microphones and audio it seems)?
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

6291. Re: [orion565] 566 Frequent loss of main and/or sub audio at power on

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-22 03:58:07 UTC
From: Bob McGraw - K4TAX
Topic: 6287 Message: 6291

There have been some reported issues of caps going bad on the power distribution board. I think TT is aware of this and has sent either replacement caps or done a board exchange. Talk to Paul. It might save some shipping and the board swap is an easy fix.

73
Bob, K4TAX

----- Original Message -----
From: Sam W. Jacobs, C.E.T.
To: orion565@yahoogroups.com
Sent: Saturday, August 21, 2010 9:42 PM
Subject: Re: [orion565] 566 Frequent loss of main and/or sub audio at power on

Two things that I would look at Bob, First is the power supply. That's from the PS unit to the radio including the fuse holder.

The second is a reload of the firmware. I understand you just went from .039d to .044x however everything you are describing seems to be either an issue of the firmware, or the radio being starved for current (thus where a bad fuse holder might come into play).

Just my 2 cents. Good luck.
73,
Sam
K3SAM

From: Robert <bobdobson@...>
To: orion565@yahoogroups.com
Sent: Sat, August 21, 2010 5:54:41 PM
Subject: [orion565] 566 Frequent loss of main and/or sub audio at power on

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Thanks in advance and 73,

Bob WA4FOM

[Non-text portions of this message have been removed]

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6292. Re: [orion565] 566 Frequent loss of main and/or sub audio at power on

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-22 04:16:48 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6287 Message: 6292

I have had 2 A9 boards (power distribution boards) go bad, right outside of warranty and T*T has made good on both. They are not just sending out the caps in advance, so you should take a look at your board to see if there are any bulges or leakage.

When this board goes down the radio will not turn on. You will get faint lighting from the LED's and meter. So if you don't want any radio down time you might want to do some preventative maintenance. A board swap is quick and easy, component replacement is also easy if you know how to solder.

73,
Sam
K3SAM

_____
From: Bob McGraw - K4TAX <RMcGraw@...>
To: orion565@yahoogroups.com
Sent: Sat, August 21, 2010 11:58:07 PM
Subject: Re: [orion565] 566 Frequent loss of main and/or sub audio at power on

There have been some reported issues of caps going bad on the power distribution board. I think TT is aware of this and has sent either replacement caps or done a board exchange. Talk to Paul. It might save some shipping and the board swap is an easy fix.

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----- Original Message -----
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To: orion565@yahoogroups.com
Sent: Saturday, August 21, 2010 9:42 PM
Subject: Re: [orion565] 566 Frequent loss of main and/or sub audio at power on

Two things that I would look at Bob, First is the power supply. That's from the PS unit to the radio including the fuse holder.

The second is a reload of the firmware. I understand you just went from .039d to .044x however everything you are describing seems to be either an issue of the firmware, or the radio being starved for current (thus where a bad fuse holder might come into play).

Just my 2 cents. Good luck.
73,
Sam
K3SAM

From: Robert <bobdobson@...>
To: orion565@yahoogroups.com
Sent: Sat, August 21, 2010 5:54:41 PM
Subject: [orion565] 566 Frequent loss of main and/or sub audio at power on

I have a feeling this one is going to mean sending the girl
back to Ten-Tec, but I thought I'd give this a shot first. I
have an Orion II with 2.044 firmware, but I had this problem
on the previous version (2.039) also. Often, when I power
on the radio, I will get no audio (other than some hiss) on
the main Rx or the sub Rx, or sometimes both. Cycling power
on the radio 1 - 3 times generally fixes it. Performing a
complete reset will also fix it, but the problem will just
return within a day or two.

Often while powering up, the radio will get to the point after
the logo screen and just before you hear a relay kick in, and
the radio will appear to reset itself and perform the entire
power-on sequence again. I have seen it do this as many as
4 times before the radio completes powering up.

Once the radio gets in a "stable" state (i.e., audio on both
receivers works), it will function perfectly until after I turn
it off, then turn it back on (generally 8 - 24 hours later).

Any ideas would be greatly appreciated. By the way, the Orion
has the tuner and all roofing filters installed, but no other
modifications (other than the occasional firmware updates).
The radio has been exhibiting this behavior for roughly the last
1 - 2 months (pretty much after Field Day -- go figure).

Thanks in advance and 73,

Bob WA4FOM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6293. 566 Frequent loss of main and/or sub audio at power on

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-22 14:20:53 UTC
From: Anthony Bowyer
Topic: 6287 Message: 6293

I don't have a 566 (565 here) but, as mentioned previously, this sounds very much like the issues caused by bad electrolytic capacitors on the power supply board (A9). When I first got the Orion I have, I replaced them with better one's, just in case.

N6IE has information on this issue at his website:

www.N6IE.com

These caps are easy to replace, since the board is small and can be removed easily,
but it does take more heat for the negative lead going thru the ground plane.

I had to use a 100 watt gun (the ground plane is substantial). You just have to

take care with 100 watts.

6294. Re: 566 Frequent loss of main and/or sub audio at power on

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-22 15:03:29 UTC
From: kb3ifh
Topic: 6287 Message: 6294

Bob

Just wanted to let you know your not alone. My Orion II with firmware 2.043b has started doing the same thing in the last 2-3 months.

Thanks for the post and the follow ups from Sam and Bob

73
Randy
KB3IFH

--- In orion565@yahoogroups.com, "Robert" <bobdobson@...> wrote:
>
> I have a feeling this one is going to mean sending the girl
> back to Ten-Tec, but I thought I'd give this a shot first. I
> have an Orion II with 2.044 firmware, but I had this problem
> on the previous version (2.039) also. Often, when I power
> on the radio, I will get no audio (other than some hiss) on
> the main Rx or the sub Rx, or sometimes both. Cycling power
> on the radio 1 - 3 times generally fixes it. Performing a
> complete reset will also fix it, but the problem will just
> return within a day or two.
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> Often while powering up, the radio will get to the point after
> the logo screen and just before you hear a relay kick in, and
> the radio will appear to reset itself and perform the entire
> power-on sequence again. I have seen it do this as many as
> 4 times before the radio completes powering up.
>
> Once the radio gets in a "stable" state (i.e., audio on both
> receivers works), it will function perfectly until after I turn
> it off, then turn it back on (generally 8 - 24 hours later).
>
> Any ideas would be greatly appreciated. By the way, the Orion
> has the tuner and all roofing filters installed, but no other
> modifications (other than the occasional firmware updates).
> The radio has been exhibiting this behavior for roughly the last
> 1 - 2 months (pretty much after Field Day -- go figure).
>
> Thanks in advance and 73,
>
> Bob WA4FOM
>

6295. Re: [orion565] Re: 566 Frequent loss of main and/or sub audio at power on

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-23 01:59:05 UTC
From: Robert Mcgraw
Topic: 6287 Message: 6295

It would be interesting to know the age of these radios. There's 2 or 3 recent and different posts that are described having this problem.

I bet there is a common issue with component aging or failure. Most likely related to a date code on the specific batch of components. In the world of electronics, this is not an unusual failure condition. It just needs to be isolated and corrected as likely an entire production batch may have the same issues.

I've seen it before, once fixed always fixed, so it is no long term concern.

73
Bob, K4TAX

>
>
> Bob
>
> Just wanted to let you know your not alone. My Orion II with firmware
> 2.043b has started doing the same thing in the last 2-3 months.
>
> Thanks for the post and the follow ups from Sam and Bob
>
> 73
> Randy
> KB3IFH
>
>
> --- In orion565@yahoogroups.com, "Robert" <bobdobson@...> wrote:
>>
>> I have a feeling this one is going to mean sending the girl
>> back to Ten-Tec, but I thought I'd give this a shot first. I
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>> on the previous version (2.039) also. Often, when I power
>> on the radio, I will get no audio (other than some hiss) on
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>> on the radio 1 - 3 times generally fixes it. Performing a
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>> the logo screen and just before you hear a relay kick in, and
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>> power-on sequence again. I have seen it do this as many as
>> 4 times before the radio completes powering up.

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>> Once the radio gets in a "stable" state (i.e., audio on both
>> receivers works), it will function perfectly until after I turn
>> it off, then turn it back on (generally 8 - 24 hours later).
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>> Any ideas would be greatly appreciated. By the way, the Orion
>> has the tuner and all roofing filters installed, but no other
>> modifications (other than the occasional firmware updates).
>> The radio has been exhibiting this behavior for roughly the last
>> 1 - 2 months (pretty much after Field Day -- go figure).
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>> Thanks in advance and 73,
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>> Bob WA4FOM
>>
>
>
>

6296. Re: [orion565] Re: 566 Frequent loss of main and/or sub audio at power on

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-23 11:25:54 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6287 Message: 6296

If you are referring to the capacitors failing on the A9 board Bob, the replacement T*T sent me about 6 months ago failed and they had to send me another one. This is a current problem. My original board failed and the purchase date was 06/23/08, S/N #08C11217, purchased new.

All the caps appear to be the same manufacture, so perhaps they (as I would) purchased a large lot and part, if not all of that lot is leaky or just poorly made. You can't blame Ten-Tec for this, in fact they have gone out of their way to correct someone elses problem.

73,
Sam
K3SAM

From: Robert Mcgraw <RMcGraw@...>
To: orion565@yahoogroups.com
Sent: Sun, August 22, 2010 9:59:05 PM
Subject: Re: [orion565] Re: 566 Frequent loss of main and/or sub audio at power on

It would be interesting to know the age of these radios. There's 2 or 3 recent and different posts that are described having this problem.

I bet there is a common issue with component aging or failure. Most likely related to a date code on the specific batch of components. In the world of electronics, this is not an unusual failure condition. It just needs to be isolated and corrected as likely an entire production batch may have the same issues.

I've seen it before, once fixed always fixed, so it is no long term concern.

73
Bob, K4TAX

>
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> Bob
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> Just wanted to let you know your not alone. My Orion II with firmware
> 2.043b has started doing the same thing in the last 2-3 months.
>
> Thanks for the post and the follow ups from Sam and Bob
>
> 73

> Randy
> KB3IFH
>
>
> --- In orion565@yahoogroups.com, "Robert" <bobdobson@...> wrote:
>>
>> I have a feeling this one is going to mean sending the girl
>> back to Ten-Tec, but I thought I'd give this a shot first. I
>> have an Orion II with 2.044 firmware, but I had this problem
>> on the previous version (2.039) also. Often, when I power
>> on the radio, I will get no audio (other than some hiss) on
>> the main Rx or the sub Rx, or sometimes both. Cycling power
>> on the radio 1 - 3 times generally fixes it. Performing a
>> complete reset will also fix it, but the problem will just
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>> Once the radio gets in a "stable" state (i.e., audio on both
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>> it off, then turn it back on (generally 8 - 24 hours later).
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>> Any ideas would be greatly appreciated. By the way, the Orion
>> has the tuner and all roofing filters installed, but no other
>> modifications (other than the occasional firmware updates).
>> The radio has been exhibiting this behavior for roughly the last
>> 1 - 2 months (pretty much after Field Day -- go figure).
>>
>> Thanks in advance and 73,
>>
>> Bob WA4FOM
>>
>
>
>

[Non-text portions of this message have been removed]

6297. Re: [orion565] Re: 566 Frequent loss of main and/or sub audio at power on

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-23 12:25:09 UTC
From: Robert Mcgraw
Topic: 6287 Message: 6297

Yes, I'm aware of some issues that appear to be batch related. And I agree, and don't fault Tentec, for they have supplied replacements to address the fault. As I've said before "new does not guarantee good, only new".

This could be an issue where the original or replacement caps are 85 degree C rated components when they should be 105 degree C components. That makes a difference, specially where they are used in power supply circuits.

73
Bob, K4TAX

> If you are referring to the capacitors failing on the A9 board Bob, the
> replacement T*T sent me about 6 months ago failed and they had to send me
> another one. This is a current problem. My original board failed and
> the
> purchase date was 06/23/08, S/N #08C11217, purchased new.
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> All the caps appear to be the same manufacture, so perhaps they (as I
> would)
> purchased a large lot and part, if not all of that lot is leaky or just
> poorly
> made. You can't blame Ten-Tec for this, in fact they have gone out of
> their way
> to correct someone elses problem.
>
> 73,
> Sam
> K3SAM
>
>
>
>
> _____
> From: Robert Mcgraw <RMcGraw@...>
> To: orion565@yahoogroups.com
> Sent: Sun, August 22, 2010 9:59:05 PM
> Subject: Re: [orion565] Re: 566 Frequent loss of main and/or sub audio at
> power
> on
>
>
> It would be interesting to know the age of these radios. There's 2 or 3

> recent and different posts that are described having this problem.
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> likely related to a date code on the specific batch of components. In
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> just needs to be isolated and corrected as likely an entire production
> batch may have the same issues.
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> I've seen it before, once fixed always fixed, so it is no long term
> concern.
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> 73
> Bob, K4TAX
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>> Bob
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>> Just wanted to let you know your not alone. My Orion II with firmware
>> 2.043b has started doing the same thing in the last 2-3 months.
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>> Thanks for the post and the follow ups from Sam and Bob
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>> 73
>> Randy
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>> --- In orion565@yahoogroups.com, "Robert" <bobdobson@...> wrote:
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>>> Any ideas would be greatly appreciated. By the way, the Orion
>>> has the tuner and all roofing filters installed, but no other
>>> modifications (other than the occasional firmware updates).
>>> The radio has been exhibiting this behavior for roughly the last
>>> 1 - 2 months (pretty much after Field Day -- go figure).
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>>> Thanks in advance and 73,
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>>> Bob WA4FOM
>>>
>>
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>
> [Non-text portions of this message have been removed]
>
>

6298. 565 Power Setting?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-23 13:49:58 UTC
From: wb2rhm
Topic: 6298 Message: 6298

All,

How does the 'power level' setting work in the 565?

When the ptt is activated, does the output power start at 0 watts and
increase to the set value, with the set value representing a 'wall'
that the power does not exceed?

Or does the power briefly start at
100% and then throttle back to the set value?

The meter seems to have a quick 'overshoot' when the signal is started,

Thanks, 73,
Ben - WB2RHM

6299. Re: 566 Frequent loss of main and/or sub audio at power on

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-24 16:33:28 UTC
From: Robert
Topic: 6287 Message: 6299

Thanks much to everyone for their replies. As they say, there
is some comfort in knowing someone else has seen this problem.
My Spidey Sennse told me it was either some insidious (i.e.,
weird) long-standing firmware bug or a power supply issue.

I'm going to have a look at the schematic and open up the Orion
and see if I can spot anything obvious. I'm pretty handy with
a soldering iron and I have a small one for small jobs and a
gun that has always taken care of the more stubborn cases...

In either case, I'm going to have a go at contacting Ten-Tec.
I really love this radio; this problem I classify of more of
an annoyance than anything else...

Thanks again and 73,

Bob WA4FOM

--- In orion565@yahoogroups.com, "Robert Mcgraw" <RMcGraw@...> wrote:
>
> Yes, I'm aware of some issues that appear to be batch related. And I
> agree, and don't fault Tentec, for they have supplied replacements to
> address the fault. As I've said before "new does not guarantee good,
> only new".
>
> This could be an issue where the original or replacement caps are 85
> degree C rated components when they should be 105 degree C components.
> That makes a difference, specially where they are used in power supply
> circuits.
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> 73
> Bob, K4TAX
>
> > If you are referring to the capacitors failing on the A9 board Bob, the
> > replacement T*T sent me about 6 months ago failed and they had to send me
> > another one.Â This is a current problem.Â My original board failed and
> > the
> > purchase date was 06/23/08, S/N #08C11217, purchased new.
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> > All the caps appear to be the same manufacture, so perhaps they (as I
> > would)
> > purchased a large lot and part, if not all of that lot is leaky or just
> > poorly
> > made.Â You can't blame Ten-Tec for this, in fact they have gone out of
> > their way
> > to correct someone elses problem.

> >
> > 73,
> > Sam
> > K3SAM
> >
> >
> >
> >
> > _____
> > From: Robert Mcgraw <RMcGraw@...>
> > To: orion565@yahoogroups.com
> > Sent: Sun, August 22, 2010 9:59:05 PM
> > Subject: Re: [orion565] Re: 566 Frequent loss of main and/or sub audio at
> > power
> > on
> >
> > Â
> > It would be interesting to know the age of these radios. There's 2 or 3
> > recent and different posts that are described having this problem.
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> > I bet there is a common issue with component aging or failure. Most
> > likely related to a date code on the specific batch of components. In
> > the world of electronics, this is not an unusual failure condition. It
> > just needs to be isolated and corrected as likely an entire production
> > batch may have the same issues.
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> > I've seen it before, once fixed always fixed, so it is no long term
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> > 73
> > Bob, K4TAX
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> >> Bob
> >>
> >> Just wanted to let you know your not alone. My Orion II with firmware
> >> 2.043b has started doing the same thing in the last 2-3 months.
> >>
> >> Thanks for the post and the follow ups from Sam and Bob
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> >> 73
> >> Randy
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> >> --- In orion565@yahoogroups.com, "Robert" <bobdobson@> wrote:
> >>>
> >>> I have a feeling this one is going to mean sending the girl
> >>> back to Ten-Tec, but I thought I'd give this a shot first. I

> >>> have an Orion II with 2.044 firmware, but I had this problem
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> >>> 4 times before the radio completes powering up.
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> >>> Once the radio gets in a "stable" state (i.e., audio on both
> >>> receivers works), it will function perfectly until after I turn
> >>> it off, then turn it back on (generally 8 - 24 hours later).
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> >>> Any ideas would be greatly appreciated. By the way, the Orion
> >>> has the tuner and all roofing filters installed, but no other
> >>> modifications (other than the occasional firmware updates).
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> >>> 1 - 2 months (pretty much after Field Day -- go figure).
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> >>> Thanks in advance and 73,
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> >>> Bob WA4FOM
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> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> >

6300. Re: 565 Power Setting?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-24 21:23:11 UTC
From: pa1ap
Topic: 6298 Message: 6300

I found it depends on the firmware on your 565. Do you know the firmware number? When rig is running, press and keep pressing the meny button for 10 seconds or so and you would get the ten tec welcome screen providing the firmware number...

In release 1 you might see the power indicator to fluctuate up and down when running constant carrier... In other words, the power is not consistent (even on external pwr meter this is visible). In release 2, yes sometimes the needled almost breaks by the overshoot, especially when running cw...Funny enough the digital values between release 1 and 2 vary significantly as well. Release two has higher resolution (almost double) and since the s meter is driven by an 8 bit? DA converter this could explain the rough indications...

It might be my rig being unique though. Perhaps others have different findings.

Best regards,
Onno

--- In orion565@yahoogroups.com, "wb2rhm" <WB2RHM@...> wrote:
>
> All,
>
> How does the 'power level' setting work in the 565?
>
> When the ptt is activated, does the output power start at 0 watts and
> increase to the set value, with the set value representing a 'wall'
> that the power does not exceed?
>
> Or does the power briefly start at
> 100% and then throttle back to the set value?
>
> The meter seems to have a quick 'overshoot' when the signal is started,
>
> Thanks, 73,
> Ben - WB2RHM
>

6301. Re: Orion I RIT Fix

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-25 00:17:41 UTC
From: Anthony
Topic: 6281 Message: 6301

I'm replying to my own post again... Humm..

Anyway, I cleaned up the doc a bit (it was driving me crazy) and copied it to the Files section. I left the previous version in case.

Anthony, K4ZNO

--- In orion565@yahoogroups.com, "Anthony" <adb1x1@...> wrote:
>
> Since the RIT control on my 'greased' Orion has been trouble free, I completed the doc that 'splains how to do it.
>
> I will post it to the files section. Please let me know if I have over or under explained something, or if I went on a spelling tangent somewhere.
>
> Anthony, K4ZNO
>

6302. Re: 565 Power Setting?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-25 23:31:57 UTC
From: wb2rhm
Topic: 6298 Message: 6302

Onno,

I am using 2.062a firmware.

I have a bird wattmeter, but it does not give me the capability to 'see/record' the actual PEAK output power during "PTT" time.

I am asking about it because, even though I have the Orion power setting set at a relatively low number, I am having the finals in my amp getting fried (MRF-150 MOSFETS 4x$40ea) on occasion during RTTY contests (~100% duty cycle).

The service folks at Ameritron keep telling me that the only way that could be happening is from having too high a level of input power going into the amp, BUT that the power level setting I have on the Orion should be OK.... if that is all that is being sent to the amp (and no power spikes are happening).... hence my question.

thanks, 73,

Ben - WB2RHM

PS I have a 'blue screen' orion 565 and I am using your thermister solution in it (taped to the top center on the rear of the display unit) and it is working just fine at keeping the contrast 'stable', Thanks.

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> I found it depends on the firmware on your 565. Do you know the firmware number? When rig is running, press and keep pressing the meny button for 10 seconds or so and you would get the ten tec welcome screen providing the firmware number...
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> In release 1 you might see the power indicator to fluctuate up and down when running constant carrier... In other words, the power is not consistent (even on external pwr meter this is visible). In release 2, yes sometimes the needled almost breaks by the overshoot, especially when running cw...Funny enough the digital values between release 1 and 2 vary significantly as well. Release two has higher resolution (almost double) and since the s meter is driven by an 8 bit? DA converter this could explain the rough indications...
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> It might be my rig being unique though. Perhaps others have different findings.
>
> Best regards,
> Onno
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> --- In orion565@yahoogroups.com, "wb2rhm" <WB2RHM@> wrote:
> >
> > All,
> >
> > How does the 'power level' setting work in the 565?

> >
> > When the ptt is activated, does the output power start at 0 watts and
> > increase to the set value, with the set value representing a 'wall'
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> > Or does the power briefly start at
> > 100% and then throttle back to the set value?
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> > The meter seems to have a quick 'overshoot' when the signal is started,
> >
> > Thanks, 73,
> > Ben - WB2RHM
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>

6303. Re: [orion565] Re: 565 Power Setting?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-26 02:40:47 UTC
From: Bob McGraw - K4TAX
Topic: 6298 Message: 6303

My question "what is the input power" to the amp? "Should be OK" may not be good enough. Although Ameritron states that exceeding 100 watts for an extended period of time can cause component failure, I doubt that the Orion is exceeding 100 watts. But at the same time, overdrive will eat the devices. Worse if excessive temperature due to 100% duty cycle modes and inadequate cooling conditions exist.

If this is the ALS-600 amp then the RTTY duty cycle is 50%. Thus power out should be limited to 350 watts max with a 10 minute transmit time followed by an equal receive time. With the optional high volume fan, the amp the power out can be increased to 500 watts with a duty cycle of 2 minutes transmit, 1 minute off. With standard cooling the amp should not be operated at above 200 watts or 25 watts reflected power which ever is greater.

The Orion PTT waveform is the same as the CW waveform, thus rise and fall times. The power starts at 0 and reaches the power set value in the CW rise time value. Usually this is approximately 3 ms to 10 ms depending on operator selected parameters. Spikes or surges should not be an issue. If there is concerns, then a scope across the coax between the exciter and the amp, with the scope triggered from the PTT circuit will show the waveform and any resultants spikes.

73
Bob, K4TAX

----- Original Message -----
From: wb2rhm
To: orion565@yahoogroups.com
Sent: Wednesday, August 25, 2010 6:31 PM
Subject: [orion565] Re: 565 Power Setting?

Onno,

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thanks, 73,

Ben - WB2RHM

PS I have a 'blue screen' orion 565 and I am using your thermister solution in it (taped to the top center on the rear of the display unit) and it is working just fine at keeping the contrast 'stable', Thanks.

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> I found it depends on the firmware on your 565. Do you know the firmware number? When rig is running, press and keep pressing the meny button for 10 seconds or so and you would get the ten tec welcome screen providing the firmware number...
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> In release 1 you might see the power indicator to fluctuate up and down when running constant carrier... In other words, the power is not consistent (even on external pwr meter this is visible). In release 2, yes sometimes the needled almost breaks by the overshoot, especially when running cw...Funny enough the digital values between release 1 and 2 vary significantly as well. Release two has higher resolution (almost double) and since the s meter is driven by an 8 bit? DA converter this could explain the rough indications...
>
> It might be my rig being unique though. Perhaps others have different findings.
>
> Best regards,
> Onno
>
> --- In orion565@yahoogroups.com, "wb2rhm" <WB2RHM@> wrote:
> >
> > All,
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> > How does the 'power level' setting work in the 565?
> >
> > When the ptt is activated, does the output power start at 0 watts and
> > increase to the set value, with the set value representing a 'wall'
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> >
> > Or does the power briefly start at
> > 100% and then throttle back to the set value?
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> > The meter seems to have a quick 'overshoot' when the signal is started,
> >
> > Thanks, 73,
> > Ben - WB2RHM
> >
>

[Non-text portions of this message have been removed]

6304. Re: 565 Power Setting?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-26 12:46:54 UTC
From: wb2rhm
Topic: 6298 Message: 6304

Bob,

Yes, I am using an Ameritron ALS-600S, but with the recommended high volume fan installed from day one. I monitor the case temperature and it never exceeds 85 degrees F, even during an all weekend RTTY contest.

I have been using a 565 power setting of 18 - 23, depending on band to 'ensure' that the amp power out is at or less than 350 watts.

The random FET-Fry has occurred with a 'cold' amp and with a 'warm' amp. Ameritron says 'everything' points to too much input power getting to the FETS rather than they are overcooking.

Then I saw this article in QST http://www.ad5x.com/images/Articles/HiPwr%20Pad%20RevA.pdf so I wondered out-loud 'how does the 565 do it?'

Something else I need to look into is how my 565 is being put into transmit.... I RTTY contest using N1MM and the Aux Input connector to use FSK mode. I'm not sure whether the PTT line is being used or a 'transmit' command is sent over the serial interface.

Thanks, 73,

Ben - WB2RHM

--- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
>
> My question "what is the input power" to the amp? "Should be OK" may not be good enough. Although Ameritron states that exceeding 100 watts for an extended period of time can cause component failure, I doubt that the Orion is exceeding 100 watts. But at the same time, overdrive will eat the devices. Worse if excessive temperature due to 100% duty cycle modes and inadequate cooling conditions exist.
>
> If this is the ALS-600 amp then the RTTY duty cycle is 50%. Thus power out should be limited to 350 watts max with a 10 minute transmit time followed by an equal receive time. With the optional high volume fan, the amp the power out can be increased to 500 watts with a duty cycle of 2 minutes transmit, 1 minute off. With standard cooling the amp should not be operated at above 200 watts or 25 watts reflected power which ever is greater.
>
> The Orion PTT waveform is the same as the CW waveform, thus rise and fall times. The power starts at 0 and reaches the power set value in the CW rise time value. Usually this is approximately 3 ms to 10 ms depending on operator selected parameters. Spikes or surges should not be an issue. If there is concerns, then a scope across the coax between the exciter and the amp, with the scope triggered from the PTT circuit will show the waveform and any resultants spikes.
>
> 73
> Bob, K4TAX

>
>
>
>
> ----- Original Message -----
> From: wb2rhm
> To: orion565@yahoogroups.com
> Sent: Wednesday, August 25, 2010 6:31 PM
> Subject: [orion565] Re: 565 Power Setting?
>
>
>
> Onno,
>
> I am using 2.062a firmware.
>
> I have a bird wattmeter, but it does not give me the capability to 'see/record' the actual PEAK output power during "PTT" time.
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> I am asking about it because, even though I have the Orion power setting set at a relatively low number, I am having the finals in my amp getting fried (MRF-150 MOSFETS 4x$40ea) on occasion during RTTY contests (~100% duty cycle).
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> Ben - WB2RHM
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> PS I have a 'blue screen' orion 565 and I am using your thermister solution in it (taped to the top center on the rear of the display unit) and it is working just fine at keeping the contrast 'stable', Thanks.
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> > > Ben - WB2RHM
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> >
>
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>
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>
> [Non-text portions of this message have been removed]
>

6305. Re: [orion565] Re: 565 Power Setting?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-26 13:14:24 UTC
From: Bob McGraw - K4TAX
Topic: 6298 Message: 6305

Sounds like you are doing everything correctly. Great on the high volume fan!

Since the radio is a 100 watt rated radio and Ameritron says the amp is suitably driven with a 100 watt radio, I too wonder what's taking place. Specially if you have the output tamed down to 18 to 23 watts and the output power is 350 watts or less. I'm sure you have a good match on the antenna but there is a reflected power limit on the ALS-600. It's 25 watts as I recall.

Looking at the coax level between the transceiver and the amp might just be worthwhile.

Thanks for the feedback.

73
Bob, K4TAX

----- Original Message -----
From: wb2rhm
To: orion565@yahoogroups.com
Sent: Thursday, August 26, 2010 7:46 AM
Subject: [orion565] Re: 565 Power Setting?

Bob,

Yes, I am using an Ameritron ALS-600S, but with the recommended high volume fan installed from day one. I monitor the case temperature and it never exceeds 85 degrees F, even during an all weekend RTTY contest.

I have been using a 565 power setting of 18 - 23, depending on band to 'ensure' that the amp power out is at or less than 350 watts.

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Then I saw this article in QST http://www.ad5x.com/images/Articles/HiPwr%20Pad%20RevA.pdf so I wondered out-loud 'how does the 565 do it?'

Something else I need to look into is how my 565 is being put into transmit.... I RTTY contest using N1MM and the Aux Input connector to use FSK mode. I'm not sure whether the PTT line is being used or a 'transmit' command is sent over the serial interface.

Thanks, 73,

Ben - WB2RHM

--- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
>
> My question "what is the input power" to the amp? "Should be OK" may not be good enough.

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> If this is the ALS-600 amp then the RTTY duty cycle is 50%. Thus power out should be limited to 350 watts max with a 10 minute transmit time followed by an equal receive time. With the optional high volume fan, the amp the power out can be increased to 500 watts with a duty cycle of 2 minutes transmit, 1 minute off. With standard cooling the amp should not be operated at above 200 watts or 25 watts reflected power which ever is greater.
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> The Orion PTT waveform is the same as the CW waveform, thus rise and fall times. The power starts at 0 and reaches the power set value in the CW rise time value. Usually this is approximately 3 ms to 10 ms depending on operator selected parameters. Spikes or surges should not be an issue. If there is concerns, then a scope across the coax between the exciter and the amp, with the scope triggered from the PTT circuit will show the waveform and any resultants spikes.
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> 73
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> Sent: Wednesday, August 25, 2010 6:31 PM
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>
> The service folks at Ameritron keep telling me that the only way that could be happening is from having too high a level of input power going into the amp, BUT that the power level setting I have on the Orion should be OK.... if that is all that is being sent to the amp (and no power spikes are happening).... hence my question.
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> thanks, 73,
>
> Ben - WB2RHM

>
> PS I have a 'blue screen' orion 565 and I am using your thermister solution in it (taped to the top center on the rear of the display unit) and it is working just fine at keeping the contrast 'stable', Thanks.
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> > It might be my rig being unique though. Perhaps others have different findings.
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> > Best regards,
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> [Non-text portions of this message have been removed]
>

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6306. Re: [orion565] Re: 565 Power Setting?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-26 13:25:45 UTC
From: John Huffman
Topic: 6298 Message: 6306

Ben -

The ALS-600 protection circuit shuts the amp down if it sees 75 watts reflected. That is according to the internal SWR bridge and assumes it is correctly calibrated. Mine wasn't until after I replaced a few finals and rooted out the cause.

Good luck.

73 de K1ESE
John

>
> ----- Original Message -----
> From: wb2rhm
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Sent: Thursday, August 26, 2010 7:46 AM
> Subject: [orion565] Re: 565 Power Setting?
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> Bob,
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> Yes, I am using an Ameritron ALS-600S, but with the recommended high
> volume fan installed from day one. I monitor the case temperature and
> it never exceeds 85 degrees F, even during an all weekend RTTY contest.
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[Non-text portions of this message have been removed]

6307. Re: [orion565] Re: 565 Power Setting?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-26 15:01:07 UTC
From: k5seeham@aol.com
Topic: 6298 Message: 6307

I have had to replace the finals in both of the ALS-600 amps that I have owned. I have proved that the protection circuit is not foolproof.
So far, I have been unable to damage the AL-80B; but still trying.
73 de John, K5SEE

-----Original Message-----
From: Bob McGraw - K4TAX <RMcGraw@Blomand.net>
To: orion565 <orion565@yahoogroups.com>
Sent: Thu, Aug 26, 2010 8:14 am
Subject: Re: [orion565] Re: 565 Power Setting?

Sounds like you are doing everything correctly. Great on the high volume fan!

Since the radio is a 100 watt rated radio and Ameritron says the amp is suitably driven with a 100 watt radio, I too wonder what's taking place. Specially if you have the output tamed down to 18 to 23 watts and the output power is 350 watts or less. I'm sure you have a good match on the antenna but there is a reflected power limit on the ALS-600. It's 25 watts as I recall.

Looking at the coax level between the transceiver and the amp might just be worthwhile.

Thanks for the feedback.

73
Bob, K4TAX

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Sent: Thursday, August 26, 2010 7:46 AM
Subject: [orion565] Re: 565 Power Setting?

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> Sent: Wednesday, August 25, 2010 6:31 PM
> Subject: [orion565] Re: 565 Power Setting?
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> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6308. Orion 566 roofing info

Yahoo group: orion565 (2009 — 2013)
Date: 2010-08-28 11:36:02 UTC
From: Simone IZ5DKJ
Topic: 6308 Message: 6308

Hi,
wat is the difference from TenTec to Inrad optionals roofing filters
for Orion II 566 ?

Thanks a lot,
73 Simone IZ5DKJ
http://www.qrz.com/db/iz5dkj

[Non-text portions of this message have been removed]

6309. Updating Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-03 20:02:18 UTC
From: Paul van Dam
Topic: 6309 Message: 6309

The last time I updated my Orion I is some years ago.
Remember you had to start an update utility on your PC.

Expected the utility to be on rfsquared.com, but can't find it.

Can someone point me to the place where I can download the update utility?

Thanks!

Paul van Dam, PA7UL

6310. Re: [orion565] Updating Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-03 20:12:30 UTC
From: Troy W6HV
Topic: 6309 Message: 6310

Paul,

Try this site:

http://n5na.net/orion/

73,
Troy, W6HV

From: "Paul van Dam" <p.h.m.van.dam@...>
Sent: Friday, September 03, 2010 1:02 PM
To: <orion565@yahoogroups.com>
Subject: [orion565] Updating Orion 1

> The last time I updated my Orion I is some years ago.
> Remember you had to start an update utility on your PC.
>
> Expected the utility to be on rfsquared.com, but can't find it.
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> Can someone point me to the place where I can download the update utility?
>
> Thanks!
>
> Paul van Dam, PA7UL
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>

6311. Updating Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-03 20:25:22 UTC
From: Paul van Dam
Topic: 6309 Message: 6311

Troy,

Thanks for that pointer!
The files on that site are .RUF files and are the firmware files you have to upload.
I am looking for the update software that you have to run on your PC.

Any idea where I can find that software?

Paul van Dam

6317. Re: [orion565] Updating Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-05 05:11:18 UTC
From: Martin
Topic: 6309 Message: 6317

Try also here

http://www.ok1rr.com/download.php?list.6

73 Martin, OK1RR

Dne 3.9.2010 22:25, Paul van Dam napsal(a):
> Troy,
>
> Thanks for that pointer!
> The files on that site are .RUF files and are the firmware files you
> have to upload.
> I am looking for the update software that you have to run on your PC.
>
> Any idea where I can find that software?
>
> Paul van Dam
>

6318. Orion 565 contrast saturation

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-06 20:07:47 UTC
From: pa1ap
Topic: 6318 Message: 6318

Greetings,

I have been running a small modification since last Saturday which significantly reduced the long term contrast saturation, as well addressed the cold to warm transition.

This applies to the new blue lcd screen and so far so good:-)

Essentially, following the manufactor specification the logic voltage can vary between 2.7V and 5.5 Volt DC. Since the new blue LCD has a flat cable connecting to the logic board it was straight forward to cut the 5 Volt logic power line on the lcd connector and insert two diodes in between. The two diodes reduce the voltage to the lcd logic with 1.2 volt, resulting in 3.8 V dc.

Since the modification the lcd screen improved on a couple of things;

1) cold to warm is not noticable anymore
2) long term contrast issue after two days running did not show as much as it did before. It does do a little but certainly something I can accept
3) the lcd screen itselve does not heat up anymore as much as it did before
4) the difference between blue on white and white on blue became much smaller. I can now switch both modes without much adjusting, where before i had to change the contrast settings using the potentiometer.

It might work for the original LCD too, but I did not verify this. This would also require a modification on the lcd pcb since you would have to cut the 5 volt supply and insert the diodes.

Perhaps other users experience the same contrast issue on their old/new lcd and this modification seems to do a good job reducing the problem.

Thanks and best regards,
Onno , pa1ap

6319. 565 audio output level ?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-08 11:16:19 UTC
From: Martin Sole
Topic: 6319 Message: 6319

I am trying to understand if my Orion has a problem or not. Ever since I have had the radio I have been less than impressed by the amount of audio that comes out of either the internal or external speaker. I don't believe it is a sensitivity issue. According to the signal generator there is all the sensitivity that the specification states, rather this is purely audio output level. Are there any known issues with failing audio on the Orion?

I need the AF gain set way over half in almost all conditions and if the RF gain is backed off slightly or the AGC threshold raised then the AF gain needs to be pretty much flat out and it's still not exactly loud! The manual says the line out is a nominal 0dbm into 600 ohms, I haven't measured mine yet but will do this evening. It certainly sounds a lot less and is hardly able to drive most external devices that other radios have no difficulty with. Even straight into a sound card it does not overload with the MIC gain at max and the MIC boost turned on.

So, anybody else seen reduced audio? Any likely capacitor problems?

TIA

Martin, HS0ZED

[Non-text portions of this message have been removed]

6320. RE: [orion565] 565 audio output level ?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-08 12:09:17 UTC
From: Martin Sole
Topic: 6319 Message: 6320

A bit more.

A quick test with a sig gen. Actually an IFR 2945A CSM.

Input a carrier to give a signal at S9. Look at the audio from the LINE OUT socket measures approx. -30dBm! Measure same signal at the AUXOUT DIN socket gives about -22dBm!

Interestingly the spot tone produces the same level when set to about 5. The spot tone at 100 produces about -5.5dBm!

Anybody spot anything?

Thanks

Martin, HS0ZED

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Martin Sole
Sent: 08 September 2010 18:16
To: orion565@yahoogroups.com
Subject: [orion565] 565 audio output level ?

I am trying to understand if my Orion has a problem or not. Ever since I have had the radio I have been less than impressed by the amount of audio that comes out of either the internal or external speaker. I don't believe it is a sensitivity issue. According to the signal generator there is all the sensitivity that the specification states, rather this is purely audio output level. Are there any known issues with failing audio on the Orion?

I need the AF gain set way over half in almost all conditions and if the RF gain is backed off slightly or the AGC threshold raised then the AF gain needs to be pretty much flat out and it's still not exactly loud! The manual says the line out is a nominal 0dbm into 600 ohms, I haven't measured mine yet but will do this evening. It certainly sounds a lot less and is hardly able to drive most external devices that other radios have no difficulty with. Even straight into a sound card it does not overload with the MIC gain at max and the MIC boost turned on.

So, anybody else seen reduced audio? Any likely capacitor problems?

TIA

Martin, HS0ZED

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6321. Re: 565 audio output level ?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-08 12:10:41 UTC
From: pa1ap
Topic: 6319 Message: 6321

if you connect a headphone, do you have to turn up the volume as much as well? Or does the headphone work as designed? The headphone and speaker use different audio paths. I am turning up the volume to about 1/3 to get loud audio from the speakers. at 50% it becomes to loud to bare.

Another thought; did you connect an audio interface to the orion audio out plug? if so, does it include a decouple capacitor to block the (faulty) dc voltage on the audio pin? Peter, oz1pif reported (and confirmed by TT) that the audio out has 5V dc on the audio pin causing issue when an audio transformer is connected. That might also impact the audio output.

73, Onno

--- In orion565@yahoogroups.com, "Martin Sole" <hs0zed@...> wrote:
>
> I am trying to understand if my Orion has a problem or not. Ever since I
> have had the radio I have been less than impressed by the amount of audio
> that comes out of either the internal or external speaker. I don't believe
> it is a sensitivity issue. According to the signal generator there is all
> the sensitivity that the specification states, rather this is purely audio
> output level. Are there any known issues with failing audio on the Orion?
>
>
>
> I need the AF gain set way over half in almost all conditions and if the RF
> gain is backed off slightly or the AGC threshold raised then the AF gain
> needs to be pretty much flat out and it's still not exactly loud! The manual
> says the line out is a nominal 0dbm into 600 ohms, I haven't measured mine
> yet but will do this evening. It certainly sounds a lot less and is hardly
> able to drive most external devices that other radios have no difficulty
> with. Even straight into a sound card it does not overload with the MIC gain
> at max and the MIC boost turned on.
>
>
>
> So, anybody else seen reduced audio? Any likely capacitor problems?
>
>
>
> TIA
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>
> Martin, HS0ZED
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>
>
> [Non-text portions of this message have been removed]
>

6322. RE: [orion565] Re: 565 audio output level ?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-08 12:37:48 UTC
From: Martin Sole
Topic: 6319 Message: 6322

Thanks Onno,

I didn't know about the 5 volts on the Aux out but looking at the circuit it is obvious.

Where does the LINE OUT connection come from? Is it AUXOUT_MAIN. This would also have 5 volts on it if the schematic is correct (Same circuit as AUX OUT - LEFT and AUX OUT - RIGHT). Measuring these with a voltmeter I see no DC volts!

Martin, HS0ZED

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: 08 September 2010 19:11
To: orion565@yahoogroups.com
Subject: [orion565] Re: 565 audio output level ?

if you connect a headphone, do you have to turn up the volume as much as well? Or does the headphone work as designed? The headphone and speaker use different audio paths. I am turning up the volume to about 1/3 to get loud audio from the speakers. at 50% it becomes to loud to bare.

Another thought; did you connect an audio interface to the orion audio out plug? if so, does it include a decouple capacitor to block the (faulty) dc voltage on the audio pin? Peter, oz1pif reported (and confirmed by TT) that the audio out has 5V dc on the audio pin causing issue when an audio transformer is connected. That might also impact the audio output.

73, Onno

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "Martin Sole" <hs0zed@...> wrote:
>
> I am trying to understand if my Orion has a problem or not. Ever since I
> have had the radio I have been less than impressed by the amount of audio
> that comes out of either the internal or external speaker. I don't believe
> it is a sensitivity issue. According to the signal generator there is all
> the sensitivity that the specification states, rather this is purely audio
> output level. Are there any known issues with failing audio on the Orion?
>
>
>
> I need the AF gain set way over half in almost all conditions and if the RF
> gain is backed off slightly or the AGC threshold raised then the AF gain
> needs to be pretty much flat out and it's still not exactly loud! The

manual
> says the line out is a nominal 0dbm into 600 ohms, I haven't measured mine
> yet but will do this evening. It certainly sounds a lot less and is hardly
> able to drive most external devices that other radios have no difficulty
> with. Even straight into a sound card it does not overload with the MIC
gain
> at max and the MIC boost turned on.
>
>
>
> So, anybody else seen reduced audio? Any likely capacitor problems?
>
>
>
> TIA
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>
> Martin, HS0ZED
>
>
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>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

6323. Re: [orion565] 565 audio output level ?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-08 15:52:52 UTC
From: k5seeham@aol.com
Topic: 6319 Message: 6323

I had the problem of losing audio to the speaker after about 30-45 minutes of operation. The headphone audio was always fine.

Tentec service replaced a couple of electrolytics in the speaker audio out chain. Everything is OK now.

73 de John,K5SEE

-----Original Message-----
From: Martin Sole <hs0zed@...>
To: orion565 <orion565@yahoogroups.com>
Sent: Wed, Sep 8, 2010 6:16 am
Subject: [orion565] 565 audio output level ?

I am trying to understand if my Orion has a problem or not. Ever since I have had the radio I have been less than impressed by the amount of audio that comes out of either the internal or external speaker. I don't believe it is a sensitivity issue. According to the signal generator there is all the sensitivity that the specification states, rather this is purely audio output level. Are there any known issues with failing audio on the Orion?

I need the AF gain set way over half in almost all conditions and if the RF gain is backed off slightly or the AGC threshold raised then the AF gain needs to be pretty much flat out and it's still not exactly loud! The manual says the line out is a nominal 0dbm into 600 ohms, I haven't measured mine yet but will do this evening. It certainly sounds a lot less and is hardly able to drive most external devices that other radios have no difficulty with. Even straight into a sound card it does not overload with the MIC gain at max and the MIC boost turned on.

So, anybody else seen reduced audio? Any likely capacitor problems?

TIA

Martin, HS0ZED

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[Non-text portions of this message have been removed]

6324. Re: 565 audio output level ?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-08 21:00:42 UTC
From: idrillballs
Topic: 6319 Message: 6324

Martin,

I also have noticed the same problem with the audio out from both speaker (internal or external) and the headphone jack. The volume level in either case does not get to the point where it's unbearable even at full volume. I have always considered the audio output of the Orion, at least mine, to be rather weak. I have had my Orion since 2003 and it's always been this way. I'm glad I'm not the only one who thought this. I would like to know why. I'll still keep it though.

Mark
WA2MO

6325. Orion 566 extra signals!!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-09 05:49:17 UTC
From: Ross
Topic: 6325 Message: 6325

I have an odd problem, that I have not noticed before, while checking PSK signals (and other digital modes) on 14.070 or there abouts,
I can see and decode the main signal perfectly, using any of the normal software, (HRD Mixw etc) but I now have what could be called
extra signals twice the width of the main signal approx 1000hz and and down the band ie above and below the main signal.
These extra signals dont decode.
I can see this on PSK and RTTY, so it is not likely to be overdriving of the various transmitters.

Can someone enlighten me, has my Orion got itself a fault, or is it a menu setting somewhere?

Thanks
Ross
ZL1WN

[Non-text portions of this message have been removed]

6326. Re: [orion565] Orion 566 extra signals!!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-09 16:47:37 UTC
From: Simone IZ5DKJ
Topic: 6325 Message: 6326

Hi,
some problem on my 566 .
If you have a waterfall also on cw twice trace.
On my old orion 565 no problem.
Wat can be?
73 Simone IZ5DKJ
http://www.qrz.com/db/iz5dkj

I have an odd problem, that I have not noticed before, while checking PSK signals (and other digital modes) on 14.070 or there abouts,
I can see and decode the main signal perfectly, using any of the normal software, (HRD Mixw etc) but I now have what could be called
extra signals twice the width of the main signal approx 1000hz and and down the band ie above and below the main signal.
These extra signals dont decode.
I can see this on PSK and RTTY, so it is not likely to be overdriving of the various transmitters.

Can someone enlighten me, has my Orion got itself a fault, or is it a menu setting somewhere?

Thanks
Ross
ZL1WN

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6327. Re: Orion 566 extra signals!!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-09 23:46:36 UTC
From: k1fpv
Topic: 6325 Message: 6327

Hi Ross,

I have ocassionally noticed the same on my Orion II when using PSK31 and my SignaLink USB. If I reduce the audio drive from the signalink, it goes away. The extra signals are not as strong as the main signal. I suspect it is overdriving something in the chain of equipment. I get the same effect with both MixW 2.19 and DigiPan 2.0 on my end.

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "Ross" <rbiggar@...> wrote:
>
> I have an odd problem, that I have not noticed before, while checking PSK signals (and other digital modes) on 14.070 or there abouts,
> I can see and decode the main signal perfectly, using any of the normal software, (HRD Mixw etc) but I now have what could be called
> extra signals twice the width of the main signal approx 1000hz and and down the band ie above and below the main signal.
> These extra signals dont decode.
> I can see this on PSK and RTTY, so it is not likely to be overdriving of the various transmitters.
>
> Can someone enlighten me, has my Orion got itself a fault, or is it a menu setting somewhere?
>
> Thanks
> Ross
> ZL1WN
>
>
> [Non-text portions of this message have been removed]
>

6328. Re: [orion565] 565 audio output level ?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-11 16:03:10 UTC
From: Bob McGraw - K4TAX
Topic: 6319 Message: 6328

First, we typically don't use dBm values these days. In professional audio we don't use terminated 600 ohm loads either thus the dBm measurement value is somewhat in error and largely outdated. Devices today are designed to be voltage sources and are typically not truly capable of driving a 600 ohm load. Now with that said, perhaps a dBv unit of measure is more likely correct. Most consumer devices have an input impedance of 10K ohms or greater and are thus accepted as line input devices with levels in the -20 dBv range. If one is using a true dBm measurement then the correct values attained are likely 3 to 6 dB higher.

The audio output to the speaker should be about 2.5 watts with less than 3% THD+n into a 8 ohm load. Measure that value. You'll either get a "no problem" or a issue where it is not delivering correct audio power output.

As to speakers, I find the internal speaker is firing upwards and in my case is directly into an overhead shelf. With the radio on the bail the speaker is actually firing into the rear of the shelf and inadequate SPL is coming forward in my finding. Thus my reason for using a good communications speaker sitting on top of the radio and aimed at my head. That works and gets loud. At the same time Hi-Fi type speakers are typically very inefficient and require large amounts to power to make a decent SPL value.

73
Bob, K4TAX

----- Original Message -----
From: Martin Sole
To: orion565@yahoogroups.com
Sent: Wednesday, September 08, 2010 7:09 AM
Subject: RE: [orion565] 565 audio output level ?

A bit more.

A quick test with a sig gen. Actually an IFR 2945A CSM.

Input a carrier to give a signal at S9. Look at the audio from the LINE OUT socket measures approx. -30dBm! Measure same signal at the AUXOUT DIN socket gives about -22dBm!

Interestingly the spot tone produces the same level when set to about 5. The spot tone at 100 produces about -5.5dBm!

Anybody spot anything?

Thanks

Martin, HS0ZED

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Martin Sole

Sent: 08 September 2010 18:16
To: orion565@yahoogroups.com
Subject: [orion565] 565 audio output level ?

I am trying to understand if my Orion has a problem or not. Ever since I have had the radio I have been less than impressed by the amount of audio that comes out of either the internal or external speaker. I don't believe it is a sensitivity issue. According to the signal generator there is all the sensitivity that the specification states, rather this is purely audio output level. Are there any known issues with failing audio on the Orion?

I need the AF gain set way over half in almost all conditions and if the RF gain is backed off slightly or the AGC threshold raised then the AF gain needs to be pretty much flat out and it's still not exactly loud! The manual says the line out is a nominal 0dbm into 600 ohms, I haven't measured mine yet but will do this evening. It certainly sounds a lot less and is hardly able to drive most external devices that other radios have no difficulty with. Even straight into a sound card it does not overload with the MIC gain at max and the MIC boost turned on.

So, anybody else seen reduced audio? Any likely capacitor problems?

TIA

Martin, HS0ZED

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[Non-text portions of this message have been removed]

6329. Re: [orion565] Orion 566 extra signals!!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-11 16:06:33 UTC
From: Bob McGraw - K4TAX
Topic: 6325 Message: 6329

I'd first suspect overdrive of the computer input causing a very distorted signal, not capable of correct decoding.

73
Bob, K4TAX

----- Original Message -----
From: Ross
To: Orion565@yahoogroups.com
Sent: Thursday, September 09, 2010 12:49 AM
Subject: [orion565] Orion 566 extra signals!!

I have an odd problem, that I have not noticed before, while checking PSK signals (and other digital modes) on 14.070 or there abouts,
I can see and decode the main signal perfectly, using any of the normal software, (HRD Mixw etc) but I now have what could be called
extra signals twice the width of the main signal approx 1000hz and and down the band ie above and below the main signal.
These extra signals dont decode.
I can see this on PSK and RTTY, so it is not likely to be overdriving of the various transmitters.

Can someone enlighten me, has my Orion got itself a fault, or is it a menu setting somewhere?

Thanks
Ross
ZL1WN

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6330. Re: [orion565] Re: Orion 566 extra signals!!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-11 16:11:05 UTC
From: Bob McGraw - K4TAX
Topic: 6325 Message: 6330

Yes, all too common is that the interface is overdriving the input on the computer. Even though the level can be controlled by the Windows Mixer, if the input is overdriven, the fader being after the fact, reducing the level does not correct the issue. The solution is to reduce the level from the interface device and increase the level at the Windows Mixer.

73
Bob, K4TAX

----- Original Message -----
From: k1fpv
To: orion565@yahoogroups.com
Sent: Thursday, September 09, 2010 6:46 PM
Subject: [orion565] Re: Orion 566 extra signals!!

Hi Ross,

I have ocassionally noticed the same on my Orion II when using PSK31 and my SignaLink USB. If I reduce the audio drive from the signalink, it goes away. The extra signals are not as strong as the main signal. I suspect it is overdriving something in the chain of equipment. I get the same effect with both MixW 2.19 and DigiPan 2.0 on my end.

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "Ross" <rbiggar@...> wrote:
>
> I have an odd problem, that I have not noticed before, while checking PSK signals (and other digital modes) on 14.070 or there abouts,
> I can see and decode the main signal perfectly, using any of the normal software, (HRD Mixw etc) but I now have what could be called
> extra signals twice the width of the main signal approx 1000hz and and down the band ie above and below the main signal.
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> I can see this on PSK and RTTY, so it is not likely to be overdriving of the various transmitters.
>
> Can someone enlighten me, has my Orion got itself a fault, or is it a menu setting somewhere?
>
> Thanks
> Ross
> ZL1WN
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

6331. FYI: 566 Frequent loss of main and/or sub audio at power on

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-11 18:19:36 UTC
From: Robert
Topic: 6287 Message: 6331

I replaced the three capacitors on the A9 board (less
than $5 solution!) and the Orion has been purring
along peacefully since. Oddly, the capacitors did
NOT show any signs of wear (i.e., bulging) as others
have noticed. I replaced them anyway, and everything
looks A-OK here.

Thanks again to all!

Bob WA4FOM

--- In orion565@yahoogroups.com, "Robert" <bobdobson@...> wrote:
>
>
>
>
> Thanks much to everyone for their replies. As they say, there
> is some comfort in knowing someone else has seen this problem.
> My Spidey Sennse told me it was either some insidious (i.e.,
> weird) long-standing firmware bug or a power supply issue.
>
> I'm going to have a look at the schematic and open up the Orion
> and see if I can spot anything obvious. I'm pretty handy with
> a soldering iron and I have a small one for small jobs and a
> gun that has always taken care of the more stubborn cases...
>
> In either case, I'm going to have a go at contacting Ten-Tec.
> I really love this radio; this problem I classify of more of
> an annoyance than anything else...
>
> Thanks again and 73,
>
> Bob WA4FOM
>
> --- In orion565@yahoogroups.com, "Robert Mcgraw" <RMcGraw@> wrote:
> >
> > Yes, I'm aware of some issues that appear to be batch related. And I
> > agree, and don't fault Tentec, for they have supplied replacements to
> > address the fault. As I've said before "new does not guarantee good,
> > only new".
> >
> > This could be an issue where the original or replacement caps are 85
> > degree C rated components when they should be 105 degree C components.
> > That makes a difference, specially where they are used in power supply
> > circuits.
> >

> > 73
> > Bob, K4TAX
> >
> > > If you are referring to the capacitors failing on the A9 board Bob, the
> > > replacement T*T sent me about 6 months ago failed and they had to send me
> > > another one.Â This is a current problem.Â My original board failed and
> > > the
> > > purchase date was 06/23/08, S/N #08C11217, purchased new.
> > >
> > > All the caps appear to be the same manufacture, so perhaps they (as I
> > > would)
> > > purchased a large lot and part, if not all of that lot is leaky or just
> > > poorly
> > > made.Â You can't blame Ten-Tec for this, in fact they have gone out of
> > > their way
> > > to correct someone elses problem.
> > >
> > > 73,
> > > Sam
> > > K3SAM
> > >
> > >
> > >
> > >
> > > _____
> > > From: Robert Mcgraw <RMcGraw@>
> > > To: orion565@yahoogroups.com
> > > Sent: Sun, August 22, 2010 9:59:05 PM
> > > Subject: Re: [orion565] Re: 566 Frequent loss of main and/or sub audio at
> > > power
> > > on
> > >
> > > Â
> > > It would be interesting to know the age of these radios. There's 2 or 3
> > > recent and different posts that are described having this problem.
> > >
> > > I bet there is a common issue with component aging or failure. Most
> > > likely related to a date code on the specific batch of components. In
> > > the world of electronics, this is not an unusual failure condition. It
> > > just needs to be isolated and corrected as likely an entire production
> > > batch may have the same issues.
> > >
> > > I've seen it before, once fixed always fixed, so it is no long term
> > > concern.
> > >
> > > 73
> > > Bob, K4TAX
> > >
> > >>
> > >>

> > >> Bob
> > >>
> > >> Just wanted to let you know your not alone. My Orion II with firmware
> > >> 2.043b has started doing the same thing in the last 2-3 months.
> > >>
> > >> Thanks for the post and the follow ups from Sam and Bob
> > >>
> > >> 73
> > >> Randy
> > >> KB3IFH
> > >>
> > >>
> > >> --- In orion565@yahoogroups.com, "Robert" <bobdobson@> wrote:
> > >>>
> > >>> I have a feeling this one is going to mean sending the girl
> > >>> back to Ten-Tec, but I thought I'd give this a shot first. I
> > >>> have an Orion II with 2.044 firmware, but I had this problem
> > >>> on the previous version (2.039) also. Often, when I power
> > >>> on the radio, I will get no audio (other than some hiss) on
> > >>> the main Rx or the sub Rx, or sometimes both. Cycling power
> > >>> on the radio 1 - 3 times generally fixes it. Performing a
> > >>> complete reset will also fix it, but the problem will just
> > >>> return within a day or two.
> > >>>
> > >>> Often while powering up, the radio will get to the point after
> > >>> the logo screen and just before you hear a relay kick in, and
> > >>> the radio will appear to reset itself and perform the entire
> > >>> power-on sequence again. I have seen it do this as many as
> > >>> 4 times before the radio completes powering up.
> > >>>
> > >>> Once the radio gets in a "stable" state (i.e., audio on both
> > >>> receivers works), it will function perfectly until after I turn
> > >>> it off, then turn it back on (generally 8 - 24 hours later).
> > >>>
> > >>> Any ideas would be greatly appreciated. By the way, the Orion
> > >>> has the tuner and all roofing filters installed, but no other
> > >>> modifications (other than the occasional firmware updates).
> > >>> The radio has been exhibiting this behavior for roughly the last
> > >>> 1 - 2 months (pretty much after Field Day -- go figure).
> > >>>
> > >>> Thanks in advance and 73,
> > >>>
> > >>> Bob WA4FOM
> > >>>
> > >>
> > >>
> > >>
> > >
> > >
> > >

> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> >
>

6332. Re: Orion 566 extra signals!!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-12 18:43:24 UTC
From: pa1ap
Topic: 6325 Message: 6332

On Orion 566 it is a known design error that there is 5VDC on the audio out pins... Connect a voltmeter and you will see... The DC voltage can saturate the transformer in your psk interface and hence distortion will occur. Peter OZ1pif reported this a couple of months ago and TT confirmed the issue. Recommended cure: include a capacitor to decouple the dc voltage.

--- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
>
> Yes, all too common is that the interface is overdriving the input on the computer. Even though the level can be controlled by the Windows Mixer, if the input is overdriven, the fader being after the fact, reducing the level does not correct the issue. The solution is to reduce the level from the interface device and increase the level at the Windows Mixer.
>
> 73
> Bob, K4TAX
>
>
> ----- Original Message -----
> From: k1fpv
> To: orion565@yahoogroups.com
> Sent: Thursday, September 09, 2010 6:46 PM
> Subject: [orion565] Re: Orion 566 extra signals!!
>
>
>
>
> Hi Ross,
>
> I have ocassionally noticed the same on my Orion II when using PSK31 and my SignaLink USB. If I reduce the audio drive from the signalink, it goes away. The extra signals are not as strong as the main signal. I suspect it is overdriving something in the chain of equipment. I get the same effect with both MixW 2.19 and DigiPan 2.0 on my end.
>
> 73,
> Bill/K1FPV
>
> --- In orion565@yahoogroups.com, "Ross" <rbiggar@> wrote:
> >
> > I have an odd problem, that I have not noticed before, while checking PSK signals (and other digital modes) on 14.070 or there abouts,
> > I can see and decode the main signal perfectly, using any of the normal software, (HRD Mixw etc) but I now have what could be called
> > extra signals twice the width of the main signal approx 1000hz and and down the band ie above and below the main signal.
> > These extra signals dont decode.
> > I can see this on PSK and RTTY, so it is not likely to be overdriving of the various

transmitters.
> >
> > Can someone enlighten me, has my Orion got itself a fault, or is it a menu setting somewhere?
> >
> > Thanks
> > Ross
> > ZL1WN
> >
> >
> > [Non-text portions of this message have been removed]
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>
> [Non-text portions of this message have been removed]
>

6333. Re: [orion565] FYI: 566 Frequent loss of main and/or sub audio at power on

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-13 01:27:14 UTC
From: Bob McGraw - K4TAX
Topic: 6287 Message: 6333

One common failure mode of electrolytic caps is a decrease in capacitive value. I have seen and checked many electrolytics, old ones, that measure 5% to 20% of their stated value. Hence, a 100 mf nominal value cap when measured on a bridge shows a capacitive value to be 5 to 25 mf. These do not show any sign of swelling or bulging and show a high value of resistance between terminal. Typically the decrease in value is caused by elevated temperature causing the electrolyte to evaporate or dry and thus the capacitive value decreases. This among others is a good reason to use 105 degree C rated caps when replacing old 85 degree C rated devices. This is specially true in power supply filter circuits.

A second cause of value change is reverse polarization of a capacitor. Typically a polarized capacitor is used as a coupling capacitor in an audio circuit on the output of a op amp. A very minor drift of the offset of the op amp device can cause a reverse polarity of only a few millivolts to be applied to the cap. Over time the value of the cap decreases to a very small percentage of the original value. A better solution is to use a non-polarized replacement.

73
Bob, K4TAX

----- Original Message -----
From: Robert
To: orion565@...m
Sent: Saturday, September 11, 2010 1:19 PM
Subject: [orion565] FYI: 566 Frequent loss of main and/or sub audio at power on

I replaced the three capacitors on the A9 board (less
than $5 solution!) and the Orion has been purring
along peacefully since. Oddly, the capacitors did
NOT show any signs of wear (i.e., bulging) as others
have noticed. I replaced them anyway, and everything
looks A-OK here.

Thanks again to all!

Bob WA4FOM

--- In orion565@yahoogroups.com, "Robert" <bobdobson@...> wrote:
>
>
>
>
> Thanks much to everyone for their replies. As they say, there
> is some comfort in knowing someone else has seen this problem.
> My Spidey Sennse told me it was either some insidious (i.e.,
> weird) long-standing firmware bug or a power supply issue.

>
> I'm going to have a look at the schematic and open up the Orion
> and see if I can spot anything obvious. I'm pretty handy with
> a soldering iron and I have a small one for small jobs and a
> gun that has always taken care of the more stubborn cases...
>
> In either case, I'm going to have a go at contacting Ten-Tec.
> I really love this radio; this problem I classify of more of
> an annoyance than anything else...
>
> Thanks again and 73,
>
> Bob WA4FOM
>
> --- In orion565@yahoogroups.com, "Robert Mcgraw" <RMcGraw@> wrote:
> >
> > Yes, I'm aware of some issues that appear to be batch related. And I
> > agree, and don't fault Tentec, for they have supplied replacements to
> > address the fault. As I've said before "new does not guarantee good,
> > only new".
> >
> > This could be an issue where the original or replacement caps are 85
> > degree C rated components when they should be 105 degree C components.
> > That makes a difference, specially where they are used in power supply
> > circuits.
> >
> > 73
> > Bob, K4TAX
> >
> > > If you are referring to the capacitors failing on the A9 board Bob, the
> > > replacement T*T sent me about 6 months ago failed and they had to send me
> > > another one.Â This is a current problem.Â My original board failed and
> > > the
> > > purchase date was 06/23/08, S/N #08C11217, purchased new.
> > >
> > > All the caps appear to be the same manufacture, so perhaps they (as I
> > > would)
> > > purchased a large lot and part, if not all of that lot is leaky or just
> > > poorly
> > > made.Â You can't blame Ten-Tec for this, in fact they have gone out of
> > > their way
> > > to correct someone elses problem.
> > >
> > > 73,
> > > Sam
> > > K3SAM
> > >
> > >
> > >
> > >

> > > _____
> > > From: Robert Mcgraw <RMcGraw@>
> > > To: orion565@yahoogroups.com
> > > Sent: Sun, August 22, 2010 9:59:05 PM
> > > Subject: Re: [orion565] Re: 566 Frequent loss of main and/or sub audio at
> > > power
> > > on
> > >
> > > Â
> > > It would be interesting to know the age of these radios. There's 2 or 3
> > > recent and different posts that are described having this problem.
> > >
> > > I bet there is a common issue with component aging or failure. Most
> > > likely related to a date code on the specific batch of components. In
> > > the world of electronics, this is not an unusual failure condition. It
> > > just needs to be isolated and corrected as likely an entire production
> > > batch may have the same issues.
> > >
> > > I've seen it before, once fixed always fixed, so it is no long term
> > > concern.
> > >
> > > 73
> > > Bob, K4TAX
> > >
> > >>
> > >>
> > >> Bob
> > >>
> > >> Just wanted to let you know your not alone. My Orion II with firmware
> > >> 2.043b has started doing the same thing in the last 2-3 months.
> > >>
> > >> Thanks for the post and the follow ups from Sam and Bob
> > >>
> > >> 73
> > >> Randy
> > >> KB3IFH
> > >>
> > >>
> > >> --- In orion565@yahoogroups.com, "Robert" <bobdobson@> wrote:
> > >>>
> > >>> I have a feeling this one is going to mean sending the girl
> > >>> back to Ten-Tec, but I thought I'd give this a shot first. I
> > >>> have an Orion II with 2.044 firmware, but I had this problem
> > >>> on the previous version (2.039) also. Often, when I power
> > >>> on the radio, I will get no audio (other than some hiss) on
> > >>> the main Rx or the sub Rx, or sometimes both. Cycling power
> > >>> on the radio 1 - 3 times generally fixes it. Performing a
> > >>> complete reset will also fix it, but the problem will just
> > >>> return within a day or two.
> > >>>

> > >>> Often while powering up, the radio will get to the point after
> > >>> the logo screen and just before you hear a relay kick in, and
> > >>> the radio will appear to reset itself and perform the entire
> > >>> power-on sequence again. I have seen it do this as many as
> > >>> 4 times before the radio completes powering up.
> > >>>
> > >>> Once the radio gets in a "stable" state (i.e., audio on both
> > >>> receivers works), it will function perfectly until after I turn
> > >>> it off, then turn it back on (generally 8 - 24 hours later).
> > >>>
> > >>> Any ideas would be greatly appreciated. By the way, the Orion
> > >>> has the tuner and all roofing filters installed, but no other
> > >>> modifications (other than the occasional firmware updates).
> > >>> The radio has been exhibiting this behavior for roughly the last
> > >>> 1 - 2 months (pretty much after Field Day -- go figure).
> > >>>
> > >>> Thanks in advance and 73,
> > >>>
> > >>> Bob WA4FOM
> > >>>
> > >>
> > >>
> > >>
> > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
> >
>

[Non-text portions of this message have been removed]

6334. Re: [orion565] Re: Orion 566 extra signals!!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-13 05:55:57 UTC
From: Ross
Topic: 6325 Message: 6334

Thanks for the comments, further to your email, what size capacitor and where should it be fitted?

Regards
Ross
ZL1WN
----- Original Message -----
From: pa1ap
To: orion565@yahoogroups.com
Sent: Monday, September 13, 2010 6:43 AM
Subject: [orion565] Re: Orion 566 extra signals!!

On Orion 566 it is a known design error that there is 5VDC on the audio out pins... Connect a voltmeter and you will see... The DC voltage can saturate the transformer in your psk interface and hence distortion will occur. Peter OZ1pif reported this a couple of months ago and TT confirmed the issue. Recommended cure: include a capacitor to decouple the dc voltage.

--- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
>
> Yes, all too common is that the interface is overdriving the input on the computer. Even though the level can be controlled by the Windows Mixer, if the input is overdriven, the fader being after the fact, reducing the level does not correct the issue. The solution is to reduce the level from the interface device and increase the level at the Windows Mixer.
>
> 73
> Bob, K4TAX
>
>
> ----- Original Message -----
> From: k1fpv
> To: orion565@yahoogroups.com
> Sent: Thursday, September 09, 2010 6:46 PM
> Subject: [orion565] Re: Orion 566 extra signals!!
>
>
>
> Hi Ross,
>
> I have ocassionally noticed the same on my Orion II when using PSK31 and my SignaLink USB. If I reduce the audio drive from the signalink, it goes away. The extra signals are not as strong as the main signal. I suspect it is overdriving something in the chain of equipment. I get the same effect with both MixW 2.19 and DigiPan 2.0 on my end.
>
> 73,
> Bill/K1FPV

>
> --- In orion565@yahoogroups.com, "Ross" <rbiggar@> wrote:
> >
> > I have an odd problem, that I have not noticed before, while checking PSK signals (and other digital modes) on 14.070 or there abouts,
> > I can see and decode the main signal perfectly, using any of the normal software, (HRD Mixw etc) but I now have what could be called
> > extra signals twice the width of the main signal approx 1000hz and and down the band ie above and below the main signal.
> > These extra signals dont decode.
> > I can see this on PSK and RTTY, so it is not likely to be overdriving of the various transmitters.
> >
> > Can someone enlighten me, has my Orion got itself a fault, or is it a menu setting somewhere?
> >
> > Thanks
> > Ross
> > ZL1WN
> >
> >
> > [Non-text portions of this message have been removed]
> >
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>
>
> [Non-text portions of this message have been removed]
>

_____ Information from ESET NOD32 Antivirus, version of virus signature database 5445 (20100912) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

[Non-text portions of this message have been removed]

6335. Re: [orion565] Re: Orion 566 extra signals!!

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-13 06:28:56 UTC
From: Peter Frenning
Topic: 6325 Message: 6335

man, 13 09 2010 kl. 17:55 +1200, skrev Ross:

> Thanks for the comments, further to your email, what size capacitor and where should it be fitted?
>
> Regards
> Ross
> ZL1WN

Ross, I quote from my original correspondence with Gary Barbour:
>
> I just discovered, after a long fight to locate the reason for distorted audio recordings, that there's
> a 5V DC component on "Line-Out" (Pin4 on AUX I/O). This was certainly unexpected and un-
> documented (Version4 Manual). Furthermore I see no reason for it, and when you connect it to an
> isolation transformer (as I did) there's a huge probability that it saturates and thus you have
> distorted audio.
> I have now inserted a blocking capacitor (0.470uF) in my interface and thus solved my problem.
>
> In my opinion this needs to be either corrected (SW?) or properly documented.
>

Sadly, to the best of my knowledge, no one at TT has done anything about this yet...

Vy 73 de OZ1PIF/5Q2M, Peter

****
** Genius is one per cent inspiration, **
** and ninety-nine per cent **
** perspiration. **
** -- Thomas A. Edison **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark

****

[Non-text portions of this message have been removed]

6336. Orion565 sweep function

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-14 22:59:24 UTC
From: n4uc_2
Topic: 6336 Message: 6336

I just installed 2.063Xg and notice that a sweep function on/off selector has been added in the RX menu. This is in addition to the original button on the side of the display screen. Their operation appears to resemble that of a 3-way light switch. Is there a reason for having two switches to turn the sweep on and off? The one in the RX menu replaced the sweep frequency width selector which I would rather have instead of 2 on/off switches.

Are 2.062 and 2.063 the only firmware versions available for download on the internet? I'd like to try some of the interim versions to see if I could get rid of some/all of the DSP popping in the audio.

Art
N4UC

6337. Re: Orion565 sweep function

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-15 06:29:24 UTC
From: pa1ap
Topic: 6336 Message: 6337

If running release 2 firmware I would recommend 2.056.

http://www.tentecwiki.org/doku.php?id=orionfw#version_2

Very good sound and stable performance. Versions higher have poor AGC implementation with all kind of dsp artifacts. Some version have artifacts independent of signal strength and some (like 2063xg) when there is a strong signal with quick risetime (aka cw). It seems when the signal moves from digital to analog AGC, signal falls in between so to say. Almost like AGC off for a moment in time. Suggested 2063xg "solution" is to turn down RF gain and hence avoid AGC to operate and/or switch to AF AGC mode which helps a little...

I think we are all very eager for the New Henry firmware to be released for orion 565!

--- In orion565@yahoogroups.com, "n4uc_2" <n4uc@...> wrote:
>
> I just installed 2.063Xg and notice that a sweep function on/off selector has been added in the RX menu. This is in addition to the original button on the side of the display screen. Their operation appears to resemble that of a 3-way light switch. Is there a reason for having two switches to turn the sweep on and off? The one in the RX menu replaced the sweep frequency width selector which I would rather have instead of 2 on/off switches.
>
> Are 2.062 and 2.063 the only firmware versions available for download on the internet? I'd like to try some of the interim versions to see if I could get rid of some/all of the DSP popping in the audio.
>
> Art
> N4UC
>

6338. RE: [orion565] Re: Orion565 sweep function

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-17 02:39:39 UTC
From: art davis
Topic: 6336 Message: 6338

Thank you so much for the link to the other versions. I'll try 2.056. You're right, I too hope for a new version before too long!
73, Art

To: orion565@yahoogroups.com
From: pa1ap@...
Date: Wed, 15 Sep 2010 06:29:24 +0000
Subject: [orion565] Re: Orion565 sweep function

If running release 2 firmware I would recommend 2.056.

http://www.tentecwiki.org/doku.php?id=orionfw#version_2

Very good sound and stable performance. Versions higher have poor AGC implementation with all kind of dsp artifacts. Some version have artifacts independent of signal strength and some (like 2063xg) when there is a strong signal with quick risetime (aka cw). It seems when the signal moves from digital to analog AGC, signal falls in between so to say. Almost like AGC off for a moment in time. Suggested 2063xg "solution" is to turn down RF gain and hence avoid AGC to operate and/or switch to AF AGC mode which helps a little...

I think we are all very eager for the New Henry firmware to be released for orion 565!

--- In orion565@yahoogroups.com, "n4uc_2" <n4uc@...> wrote:

>

> I just installed 2.063Xg and notice that a sweep function on/off selector has been added in the RX menu. This is in addition to the original button on the side of the display screen. Their operation appears to resemble that of a 3-way light switch. Is there a reason for having two switches to turn the sweep on and off? The one in the RX menu replaced the sweep frequency width selector which I would rather have instead of 2 on/off switches.

>

> Are 2.062 and 2.063 the only firmware versions available for download on the internet? I'd like to try some of the interim versions to see if I could get rid of some/all of the DSP popping in the audio.

>

> Art

> N4UC

>

[Non-text portions of this message have been removed]

6339. Re: Orion565 sweep function

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-17 11:55:40 UTC
From: pa1ap
Topic: 6336 Message: 6339

Just realized 2.057 would be good too. starting 2058 they messed up the agc function. Anyway, play with it to see how it goes. 2057 will give you clean audio. Voice recording is not working as designed though using this version.

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:
>
>
> Thank you so much for the link to the other versions. I'll try 2.056. You're right, I too hope for a new version before too long!
> 73, Art
>
> To: orion565@yahoogroups.com
> From: pa1ap@...
> Date: Wed, 15 Sep 2010 06:29:24 +0000
> Subject: [orion565] Re: Orion565 sweep function
>
>
>

>
>
> http://www.tentecwiki.org/doku.php?id=orionfw#version_2
>
>
>
> Very good sound and stable performance. Versions higher have poor AGC implementation with all kind of dsp artifacts. Some version have artifacts independent of signal strength and some (like 2063xg) when there is a strong signal with quick risetime (aka cw). It seems when the signal moves from digital to analog AGC, signal falls in between so to say. Almost like AGC off for a moment in time. Suggested 2063xg "solution" is to turn down RF gain and hence avoid AGC to operate and/or switch to AF AGC mode which helps a little...
>
>
>
> I think we are all very eager for the New Henry firmware to be released for orion 565!
>
>
>
> --- In orion565@yahoogroups.com, "n4uc_2" <n4uc@> wrote:
>
> >
>
> > I just installed 2.063Xg and notice that a sweep function on/off selector has been added in the RX menu. This is in addition to the original button on the side of the display screen. Their operation appears to resemble that of a 3-way light switch. Is there a reason for having two switches to turn the sweep on and off? The one in the RX menu replaced the sweep frequency width selector which I would rather have instead of 2 on/off switches.
>
> >
>
> > Are 2.062 and 2.063 the only firmware versions available for download on the internet? I'd like to try some of the interim versions to see if I could get rid of some/all of the DSP popping in the audio.
>
> >
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> > Art
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> > N4UC
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> [Non-text portions of this message have been removed]
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6340. Orion 9MHz IF Mod - Update

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-18 15:31:33 UTC
From: Rick W
Topic: 6340 Message: 6340

Roberto, EB4EQA, has recently done the 9MHz IF modification to a friend's Orion (565). During the modification, he took some detailed photos and has provided some excellent construction hints. I have included a link in the documentation currently on my website. Here is a direct link to Roberto's site:

www.rbarrios.com/projects/ORION

Thank you Roberto for sharing!
73,
Rick
VE7TK

Website: http://www.ve7tk.com

[Non-text portions of this message have been removed]

6341. startup

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-22 15:16:01 UTC
From: kengarg
Topic: 6341 Message: 6341

Folks,
I have been noticing an issue during the startup of the 565 radio. I wanted to see if anyone else has seen this one.
When I start the radio and if I am on 20m, the radio after bootup will not exactly be locked on 20m. (dont know where it is receiving) I would usually switch to 40m and come back to 20m, then I would get proper receive on 20m. This only happens during startup on 20m. If I startup on 40m, the issue doesnt seem to be there.
I am using the latest beta firmware from Tentec. I have downgraded and this issue persists.

Any input?

Regards,
Ken

6342. Re: [orion565] startup

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-22 16:52:07 UTC
From: Martin Ewing
Topic: 6341 Message: 6342

Ken,

Sounds like a phase lock loop is not locking up properly. I would call TT service. It may need an internal adjustment.

I have seen hints of this kind of behavior myself, but it has never lasted long enough to warrant tracking down. It might be related to operating temperature, power voltage level, etc.

As always with a strange Orion problem, you need to do a Master Reset and/or Battery Reset to be sure that doesn't cure the problem. But, if you've reloaded firmware, you must have done resets, yes?

73 Martin AA6E

On Wed, Sep 22, 2010 at 11:16 AM, kengarg <kengarg@...> wrote:

> Folks,
> I have been noticing an issue during the startup of the 565 radio. I wanted
> to see if anyone else has seen this one.
> When I start the radio and if I am on 20m, the radio after bootup will not
> exactly be locked on 20m. (dont know where it is receiving) I would usually
> switch to 40m and come back to 20m, then I would get proper receive on 20m.
> This only happens during startup on 20m. If I startup on 40m, the issue
> doesnt seem to be there.
> I am using the latest beta firmware from Tentec. I have downgraded and this
> issue persists.
>
> Any input?
>
> Regards,
> Ken
>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>
>

--
Martin S. Ewing, AA6E
Member IEEE, URSI, AAS, ARRL

Branford, Connecticut

[Non-text portions of this message have been removed]

6343. OT: looking for TT 1251 RF counterpoise

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-22 19:11:24 UTC
From: pa1ap
Topic: 6343 Message: 6343

Greetings,

Hope someone has a retired 1251 in the shack and willingly to sell it?

Thanks and best regards, Onno pa1ap

6344. Re: startup

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-22 19:22:32 UTC
From: kengarg
Topic: 6341 Message: 6344

I am on the latest beta version of the software. I am going to rollback to ver 2.057 and check it out. I will do a master reset and not sure how to do the battery reset.

Regards,
Ken

--- In orion565@yahoogroups.com, Martin Ewing <martin.s.ewing@...> wrote:
>
> Ken,
>
> Sounds like a phase lock loop is not locking up properly. I would call TT
> service. It may need an internal adjustment.
>
> I have seen hints of this kind of behavior myself, but it has never lasted
> long enough to warrant tracking down. It might be related to operating
> temperature, power voltage level, etc.
>
> As always with a strange Orion problem, you need to do a Master Reset and/or
> Battery Reset to be sure that doesn't cure the problem. But, if you've
> reloaded firmware, you must have done resets, yes?
>
> 73 Martin AA6E
>
> On Wed, Sep 22, 2010 at 11:16 AM, kengarg <kengarg@...> wrote:
>
> > Folks,
> > I have been noticing an issue during the startup of the 565 radio. I wanted
> > to see if anyone else has seen this one.
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> > exactly be locked on 20m. (dont know where it is receiving) I would usually
> > switch to 40m and come back to 20m, then I would get proper receive on 20m.
> > This only happens during startup on 20m. If I startup on 40m, the issue
> > doesnt seem to be there.
> > I am using the latest beta firmware from Tentec. I have downgraded and this
> > issue persists.
> >
> > Any input?
> >
> > Regards,
> > Ken
> >
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> > ------------------------------------
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> >
> > Yahoo! Groups Links
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>
> --
> Martin S. Ewing, AA6E
> Member IEEE, URSI, AAS, ARRL
> Branford, Connecticut
>
>
> [Non-text portions of this message have been removed]
>

6345. Re: startup

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-22 19:39:44 UTC
From: pa1ap
Topic: 6341 Message: 6345

hello Ken,

memory reset -> switch off rig, push & keep pushing LCK B button, switch on power. Wait for battery messag and release LCK B button.

Then follow with normal reset -> switch off rig, pusj and keep pushing ANT 1A button, switch on rig... wait for message, release ANT1 A button....

2056 would work well too. but somohow i dont think vfo lock is going to be solved in this way...

best regards, onno

--- In orion565@yahoogroups.com, "kengarg" <kengarg@...> wrote:
>
> I am on the latest beta version of the software. I am going to rollback to ver 2.057 and check it out. I will do a master reset and not sure how to do the battery reset.
>
> Regards,
> Ken
>
> --- In orion565@yahoogroups.com, Martin Ewing <martin.s.ewing@> wrote:
> >
> > Ken,
> >
> > Sounds like a phase lock loop is not locking up properly. I would call TT
> > service. It may need an internal adjustment.
> >
> > I have seen hints of this kind of behavior myself, but it has never lasted
> > long enough to warrant tracking down. It might be related to operating
> > temperature, power voltage level, etc.
> >
> > As always with a strange Orion problem, you need to do a Master Reset and/or
> > Battery Reset to be sure that doesn't cure the problem. But, if you've
> > reloaded firmware, you must have done resets, yes?
> >
> > 73 Martin AA6E
> >
> > On Wed, Sep 22, 2010 at 11:16 AM, kengarg <kengarg@> wrote:
> >
> > > Folks,
> > > I have been noticing an issue during the startup of the 565 radio. I wanted
> > > to see if anyone else has seen this one.
> > > When I start the radio and if I am on 20m, the radio after bootup will not
> > > exactly be locked on 20m. (dont know where it is receiving) I would usually
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> > > This only happens during startup on 20m. If I startup on 40m, the issue
> > > doesnt seem to be there.
> > > I am using the latest beta firmware from Tentec. I have downgraded and this
> > > issue persists.
> > >
> > > Any input?
> > >
> > > Regards,
> > > Ken
> > >
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> > > ------------------------------------
> > >
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> > > Yahoo! Groups Links
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> >
> > --
> > Martin S. Ewing, AA6E
> > Member IEEE, URSI, AAS, ARRL
> > Branford, Connecticut
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

6346. Re: startup

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-22 19:45:50 UTC
From: kengarg
Topic: 6341 Message: 6346

Thanks Onno. I got it now. Do you think 2.056 or 2.057 is better? I used your Orion Macro during last low band season and set the ProgramableAGC well. Its all gone now. I will download your program again to set it.
I need to get that proper value in for 80mtrs.

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> hello Ken,
>
> memory reset -> switch off rig, push & keep pushing LCK B button, switch on power. Wait for battery messag and release LCK B button.
>
> Then follow with normal reset -> switch off rig, pusj and keep pushing ANT 1A button, switch on rig... wait for message, release ANT1 A button....
>
> 2056 would work well too. but somohow i dont think vfo lock is going to be solved in this way...
>
> best regards, onno
>
> --- In orion565@yahoogroups.com, "kengarg" <kengarg@> wrote:
> >
> > I am on the latest beta version of the software. I am going to rollback to ver 2.057 and check it out. I will do a master reset and not sure how to do the battery reset.
> >
> > Regards,
> > Ken
> >
> > --- In orion565@yahoogroups.com, Martin Ewing <martin.s.ewing@> wrote:
> > >
> > > Ken,
> > >
> > > Sounds like a phase lock loop is not locking up properly. I would call TT
> > > service. It may need an internal adjustment.
> > >
> > > I have seen hints of this kind of behavior myself, but it has never lasted
> > > long enough to warrant tracking down. It might be related to operating
> > > temperature, power voltage level, etc.
> > >
> > > As always with a strange Orion problem, you need to do a Master Reset and/or
> > > Battery Reset to be sure that doesn't cure the problem. But, if you've
> > > reloaded firmware, you must have done resets, yes?
> > >
> > > 73 Martin AA6E
> > >

> > > On Wed, Sep 22, 2010 at 11:16 AM, kengarg <kengarg@> wrote:
> > >
> > > > Folks,
> > > > I have been noticing an issue during the startup of the 565 radio. I wanted
> > > > to see if anyone else has seen this one.
> > > > When I start the radio and if I am on 20m, the radio after bootup will not
> > > > exactly be locked on 20m. (dont know where it is receiving) I would usually
> > > > switch to 40m and come back to 20m, then I would get proper receive on 20m.
> > > > This only happens during startup on 20m. If I startup on 40m, the issue
> > > > doesnt seem to be there.
> > > > I am using the latest beta firmware from Tentec. I have downgraded and this
> > > > issue persists.
> > > >
> > > > Any input?
> > > >
> > > > Regards,
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> > > >
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> > > > Yahoo! Groups Links
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> > >
> > > --
> > > Martin S. Ewing, AA6E
> > > Member IEEE, URSI, AAS, ARRL
> > > Branford, Connecticut
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
>

6347. Re: startup

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-22 19:55:54 UTC
From: pa1ap
Topic: 6341 Message: 6347

I made a mistake a few days ago on my own message regarding release 2 firmware. 2056 is certainly a good option to choose if you want clean audio. Alternatively you could go for release 1 firmware, 1372 or the last 1373B5. Release 1 code works well too.

Release 1 -> excellent noise reduction and most functions actually work. But less performant control and screen resolution
Release 2-> good performance control and screen resolution. 2056 clean audio, even better then release 1. But some features are broken, such as voice recorder.

Hope this helps, best regards, Onno

--- In orion565@yahoogroups.com, "kengarg" <kengarg@...> wrote:
>
> Thanks Onno. I got it now. Do you think 2.056 or 2.057 is better? I used your Orion Macro during last low band season and set the ProgramableAGC well. Its all gone now. I will download your program again to set it.
> I need to get that proper value in for 80mtrs.
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> > >
> > > Regards,
> > > Ken
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> > > > service. It may need an internal adjustment.
> > > >
> > > > I have seen hints of this kind of behavior myself, but it has never lasted
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> > > > reloaded firmware, you must have done resets, yes?
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> > > > 73 Martin AA6E
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> > > > > Martin S. Ewing, AA6E
> > > > > Member IEEE, URSI, AAS, ARRL
> > > > > Branford, Connecticut
> > > > >
> > > > >
> > > > > [Non-text portions of this message have been removed]
> > > > >

> > >
> >
>

6348. Re: startup

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-22 20:11:30 UTC
From: kengarg
Topic: 6341 Message: 6348

Thanks for that again. I will now go to 2.056. I have never used the voice recorder anyways, so it doesnt matter.

Regards,
Ken

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> I made a mistake a few days ago on my own message regarding release 2 firmware. 2056 is certainly a good option to choose if you want clean audio. Alternatively you could go for release 1 firmware, 1372 or the last 1373B5. Release 1 code works well too.
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> Release 1 -> excellent noise reduction and most functions actually work. But less performant control and screen resolution
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> > > > > Battery Reset to be sure that doesn't cure the problem. But, if you've
> > > > > reloaded firmware, you must have done resets, yes?
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> > > > > 73 Martin AA6E
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> > > > > On Wed, Sep 22, 2010 at 11:16 AM, kengarg <kengarg@> wrote:
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> > > > > > Folks,
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> > > > > > to see if anyone else has seen this one.
> > > > > > When I start the radio and if I am on 20m, the radio after bootup will not
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> > > > > > I am using the latest beta firmware from Tentec. I have downgraded and this
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> > > > > >
> > > > > > [Non-text portions of this message have been removed]
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> > > >
> > >
>

6349. RE: [orion565] startup

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-23 00:18:52 UTC
From: John Hudson
Topic: 6341 Message: 6349

Ken

Mine has been doing the something like that (I think) for sometime now.

When I power up after the rig has been off for an extended time (more than 8 hours) there is no signal or audio. If I push thru the abnds on the number pad and comeback to 20 meters, BAM there it is working fine

I emailed TT and their reply was "WE HAVE NEVER HEARD OF THAT AND DO NOT KNOW WHAT IT COULD BE"

So far I have lived with it but I'm headed to TT area for a 1 week vacation next month and I will drop it off to be looked at

Good luck

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of kengarg
Sent: Wednesday, September 22, 2010 10:16 AM
To: orion565@yahoogroups.com
Subject: [orion565] startup

Folks,
I have been noticing an issue during the startup of the 565 radio. I wanted to see if anyone else has seen this one.
When I start the radio and if I am on 20m, the radio after bootup will not exactly be locked on 20m. (dont know where it is receiving) I would usually switch to 40m and come back to 20m, then I would get proper receive on 20m. This only happens during startup on 20m. If I startup on 40m, the issue doesnt seem to be there.
I am using the latest beta firmware from Tentec. I have downgraded and this issue persists.

Any input?

Regards,
Ken

[Non-text portions of this message have been removed]

6350. Re: startup

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-23 00:43:51 UTC
From: kengarg
Topic: 6341 Message: 6350

John,
Thats exactly correct. If the radio is warm, it will come up on 20m without audio or reception, but after a few secs it will get fully crackling. When it is cold its looks like an issue with the synthesiser board and it locks in when we go to 40 or 17 and then get back to 20m.

Regards,
Ken

--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
>
> Ken
>
>
>
> Mine has been doing the something like that (I think) for sometime now.
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>
>
> When I power up after the rig has been off for an extended time (more than 8
> hours) there is no signal or audio. If I push thru the abnds on the number
> pad and comeback to 20 meters, BAM there it is working fine
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> next month and I will drop it off to be looked at
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> Good luck
>
>
>
> John
>
> KO4XJ
>
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>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of kengarg
> Sent: Wednesday, September 22, 2010 10:16 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] startup
>
>
>
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> Folks,
> I have been noticing an issue during the startup of the 565 radio. I wanted
> to see if anyone else has seen this one.
> When I start the radio and if I am on 20m, the radio after bootup will not
> exactly be locked on 20m. (dont know where it is receiving) I would usually
> switch to 40m and come back to 20m, then I would get proper receive on 20m.
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> doesnt seem to be there.
> I am using the latest beta firmware from Tentec. I have downgraded and this
> issue persists.
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> Any input?
>
> Regards,
> Ken
>
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>
> [Non-text portions of this message have been removed]
>

6351. Re: [orion565] Startup

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-23 03:47:12 UTC
From: K Van Horn
Topic: 6341 Message: 6351

John and Ken,

It seems to me that I saw a problem like this many years ago that I traced to defective tantalum capacitors...they would not form correctly each time when power was applied. It would not always happen, but when it did, it pulled the voltage supply line down just enough to make the circuit not operate correctly. Tantalum caps are great for bypassing power lines in radios because they have good freq. response characteristics but they can drive a person crazy if a manufacturer gets a bad lot of them. I found them by measuring the supply line voltage and noting that it was slightly low in some parts of the circuit board. Have fun!

Kirby, K7EC

From: kengarg
Sent: Wednesday, September 22, 2010 6:43 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: startup

John,
Thats exactly correct. If the radio is warm, it will come up on 20m without audio or reception, but after a few secs it will get fully crackling. When it is cold its looks like an issue with the synthesiser board and it locks in when we go to 40 or 17 and then get back to 20m.

Regards,
Ken

--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
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> Ken
>
>
>
> Mine has been doing the something like that (I think) for sometime now.
>
>
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> When I power up after the rig has been off for an extended time (more than 8
> hours) there is no signal or audio. If I push thru the abnds on the number
> pad and comeback to 20 meters, BAM there it is working fine
>
>
>
> I emailed TT and their reply was "WE HAVE NEVER HEARD OF THAT AND DO NOT
> KNOW WHAT IT COULD BE"
>

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>
> So far I have lived with it but I'm headed to TT area for a 1 week vacation
> next month and I will drop it off to be looked at
>
>
>
> Good luck
>
>
>
> John
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> KO4XJ
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> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of kengarg
> Sent: Wednesday, September 22, 2010 10:16 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] startup
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> Folks,
> I have been noticing an issue during the startup of the 565 radio. I wanted
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> exactly be locked on 20m. (dont know where it is receiving) I would usually
> switch to 40m and come back to 20m, then I would get proper receive on 20m.
> This only happens during startup on 20m. If I startup on 40m, the issue
> doesnt seem to be there.
> I am using the latest beta firmware from Tentec. I have downgraded and this
> issue persists.
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> Any input?
>
> Regards,
> Ken
>
>
>
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>
>
> [Non-text portions of this message have been removed]

>

[Non-text portions of this message have been removed]

6352. Re: startup

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-23 12:23:43 UTC
From: Anthony
Topic: 6341 Message: 6352

John,

Since you mentioned that this cleared up when you changed bands, I have ran across something similar several times and finally found out what was going on. I have a LDG tuner in my 565, and it seems under certain conditions (not sure what causes the initial problem) the bypass relay in the tuner is not 'bypassing'. Once I go thru a tune cycle, it clears it up.
I have a feeling it's something to do with PC control of the rig and the state things are in when the software that controls it is shut down, but I can't prove it.
After that tune cycle it will work fine, with the tuner enabled or disable.

Not sure if this is the same thing in your case, but I thot I'd mention it.

--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
>
> Ken
>
>
>
> Mine has been doing the something like that (I think) for sometime now.
>
>
>
> When I power up after the rig has been off for an extended time (more than 8
> hours) there is no signal or audio. If I push thru the abnds on the number
> pad and comeback to 20 meters, BAM there it is working fine
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> So far I have lived with it but I'm headed to TT area for a 1 week vacation
> next month and I will drop it off to be looked at
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> Good luck
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> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of kengarg
> Sent: Wednesday, September 22, 2010 10:16 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] startup
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> Folks,
> I have been noticing an issue during the startup of the 565 radio. I wanted
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> switch to 40m and come back to 20m, then I would get proper receive on 20m.
> This only happens during startup on 20m. If I startup on 40m, the issue
> doesnt seem to be there.
> I am using the latest beta firmware from Tentec. I have downgraded and this
> issue persists.
>
> Any input?
>
> Regards,
> Ken
>
>
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>
>
> [Non-text portions of this message have been removed]
>

6353. Ten Tec Hamfest

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-24 14:56:07 UTC
From: b.beard62
Topic: 6353 Message: 6353

Something good is coming today.... I can feel it.

6354. Re: Ten Tec Hamfest

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-24 22:21:01 UTC
From: b.beard62
Topic: 6353 Message: 6354

Ten Tec launched a new radio today at their hamfest.
I watched some of the live feed from their website. The radio is called Eagle. Looks like a nice small format 6M + 10 thru 160m radio.
No mention of anything on their website.

--- In orion565@yahoogroups.com, "b.beard62" <brucebeard@...> wrote:
>
> Something good is coming today.... I can feel it.
>

6355. Re: Ten Tec Hamfest

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-25 00:21:33 UTC
From: k0mu
Topic: 6353 Message: 6355

I formed a yahoo group:

http://groups.yahoo.com/group/TenTec_Eagle/

--- In orion565@yahoogroups.com, "b.beard62" <brucebeard@...> wrote:
>
> Ten Tec launched a new radio today at their hamfest.
> I watched some of the live feed from their website. The radio is called Eagle. Looks like a nice small format 6M + 10 thru 160m radio.
> No mention of anything on their website.
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> --- In orion565@yahoogroups.com, "b.beard62" <brucebeard@> wrote:
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> > Something good is coming today.... I can feel it.
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6356. RE: [orion565] Re: Ten Tec Hamfest

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-26 04:03:26 UTC
From: art davis
Topic: 6353 Message: 6356

They also introduced a new cross-needle wattmeter last month at the Huntsville Hamfest, model 1225 which I don't think has made it to their website yet either

To: orion565@yahoogroups.com
From: jaylyle@...
Date: Sat, 25 Sep 2010 00:21:33 +0000
Subject: [orion565] Re: Ten Tec Hamfest

I formed a yahoo group:

http://groups.yahoo.com/group/TenTec_Eagle/

--- In orion565@yahoogroups.com, "b.beard62" <brucebeard@...> wrote:

>

> Ten Tec launched a new radio today at their hamfest.

> I watched some of the live feed from their website. The radio is called Eagle. Looks like a nice small format 6M + 10 thru 160m radio.

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> --- In orion565@yahoogroups.com, "b.beard62" <brucebeard@> wrote:

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> > Something good is coming today.... I can feel it.

> >

>

[Non-text portions of this message have been removed]

6357. Re: [orion565] Re: Ten Tec Hamfest

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-26 12:13:59 UTC
From: Bob McGraw - K4TAX
Topic: 6353 Message: 6357

It's there. Go to the Tentec home page. There is an "Announcement" line
that says New Tentec wattmeter HF kit. Click on that and it will take you
to the page. "Now available and shipping".

With the release of the EAGLE, the new HF transceiver, I would expect this
page to get updated next week.

I was at the hamfest yesterday and really enjoyed meeting many of the folks
both from Tentec staff and many that communicate here on the reflector.
Also enjoyed seeing the Tentec products in operation.

73
Bob, K4TAX

----- Original Message -----
From: "art davis" <n4uc@...>
To: <orion565@yahoogroups.com>
Sent: Saturday, September 25, 2010 11:03 PM
Subject: RE: [orion565] Re: Ten Tec Hamfest

>
> They also introduced a new cross-needle wattmeter last month at the
> Huntsville Hamfest, model 1225 which I don't think has made it to their
> website yet either
>
> To: orion565@yahoogroups.com
> From: jaylyle@...
> Date: Sat, 25 Sep 2010 00:21:33 +0000
> Subject: [orion565] Re: Ten Tec Hamfest
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> http://groups.yahoo.com/group/TenTec_Eagle/
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> --- In orion565@yahoogroups.com, "b.beard62" <brucebeard@...> wrote:
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>
>> Ten Tec launched a new radio today at their hamfest.
>
>> I watched some of the live feed from their website. The radio is called
>> Eagle. Looks like a nice small format 6M + 10 thru 160m radio.
>
>> No mention of anything on their website.
>
>>
>
>> --- In orion565@yahoogroups.com, "b.beard62" <brucebeard@> wrote:
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>> >
>
>> > Something good is coming today.... I can feel it.
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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6358. RE: [orion565] Re: Ten Tec Hamfest

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-27 00:32:59 UTC
From: art davis
Topic: 6353 Message: 6358

Oh yeah, now I see it! I bought one and it really works well. A lot better meter movement than on my 238 tuner.

To: orion565@yahoogroups.com
From: RMcGraw@...
Date: Sun, 26 Sep 2010 07:13:59 -0500
Subject: Re: [orion565] Re: Ten Tec Hamfest

It's there. Go to the Tentec home page. There is an "Announcement" line

that says New Tentec wattmeter HF kit. Click on that and it will take you

to the page. "Now available and shipping".

With the release of the EAGLE, the new HF transceiver, I would expect this

page to get updated next week.

I was at the hamfest yesterday and really enjoyed meeting many of the folks

both from Tentec staff and many that communicate here on the reflector.

Also enjoyed seeing the Tentec products in operation.

73

Bob, K4TAX

----- Original Message -----

From: "art davis" <n4uc@hotmail.com>

To: <orion565@yahoogroups.com>

Sent: Saturday, September 25, 2010 11:03 PM

Subject: RE: [orion565] Re: Ten Tec Hamfest

>

> They also introduced a new cross-needle wattmeter last month at the

> Huntsville Hamfest, model 1225 which I don't think has made it to their

> website yet either

>

> To: orion565@yahoogroups.com

> From: jaylyle@...

> Date: Sat, 25 Sep 2010 00:21:33 +0000

> Subject: [orion565] Re: Ten Tec Hamfest

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> I formed a yahoo group:

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> http://groups.yahoo.com/group/TenTec_Eagle/

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> --- In orion565@yahoogroups.com, "b.beard62" <brucebeard@...> wrote:

>

>>

>

>> Ten Tec launched a new radio today at their hamfest.

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>> I watched some of the live feed from their website. The radio is called

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>> No mention of anything on their website.

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> Yahoo! Groups Links

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[Non-text portions of this message have been removed]

6359. 565 Audio output levels

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-30 05:24:13 UTC
From: Martin Sole
Topic: 6359 Message: 6359

Been away for a few weeks but finally got to look at my Orion audio output levels.

I had been trying to understand why the aux out and line out levels seemed to be very low. An S9 signal producing a 1kHz audio tone measured about -27dBm into a 600 ohm load. After changing the software from 2.062 to 1.372b5 this increased to about -17dBm and is now enough to drive my PC audio card much better. This still seems low compared to the Ten-Tec spec of 0dBm into 600 ohms but I presume it has changed often as the software changed.

I'll go back to using 1.372b5 for a while and see if I can live with the lack of band stack register indicators, fixed slope AGC, and other little niggles.

I did notice that there is no DC on either the AUX OUT or LINE OUT sockets and looking at the schematic there is a 100uF electrolytic in series with the outputs and a 100k resistor to ground on the output side for the AUX OUT connections and a 4.7uF with 100k to ground on the output side of the LINE OUT.

I definitely feel there is a lot more drive to the speaker as well. It comes from a similar place.

I suppose the change in levels with different versions of software must another of the trade-offs necessary to incorporate the V2 changes.

BTW. Any news on the next revision of the 565 software?

Martin, HS0ZED

[Non-text portions of this message have been removed]

6360. Re: 565 Audio output levels

Yahoo group: orion565 (2009 — 2013)
Date: 2010-09-30 07:00:46 UTC
From: pa1ap
Topic: 6359 Message: 6360

Over the weekend I will measure audio output on the same connectors and share what I have found. at least we can compare notes then :-)

I have no problem with low audio output on speaker and/or the din connector. driving the audio card is not a problem.

You are right (and I was wrong) about the dc voltage. That seems to be a problem for 566 only...

More to follow, best regards, Onno

--- In orion565@yahoogroups.com, "Martin Sole" <hs0zed@...> wrote:
>
> Been away for a few weeks but finally got to look at my Orion audio output
> levels.
>
>
>
> I had been trying to understand why the aux out and line out levels seemed
> to be very low. An S9 signal producing a 1kHz audio tone measured about
> -27dBm into a 600 ohm load. After changing the software from 2.062 to
> 1.372b5 this increased to about -17dBm and is now enough to drive my PC
> audio card much better. This still seems low compared to the Ten-Tec spec of
> 0dBm into 600 ohms but I presume it has changed often as the software
> changed.
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>
> I'll go back to using 1.372b5 for a while and see if I can live with the
> lack of band stack register indicators, fixed slope AGC, and other little
> niggles.
>
>
>
> I did notice that there is no DC on either the AUX OUT or LINE OUT sockets
> and looking at the schematic there is a 100uF electrolytic in series with
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> connections and a 4.7uF with 100k to ground on the output side of the LINE
> OUT.
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>
>
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> from a similar place.
>
>

>
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> another of the trade-offs necessary to incorporate the V2 changes.
>
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>
> BTW. Any news on the next revision of the 565 software?
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>
> Martin, HS0ZED
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> [Non-text portions of this message have been removed]
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6361. RE: [orion565] Re: 565 Audio output levels

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-01 04:04:48 UTC
From: Martin Sole
Topic: 6359 Message: 6361

Hi Onno,

Yes I saw the extra components necessary to block the DC on the interface card that holds the various interface connectors so all looks good on that score.

I'm still not really happy that the audio output is at a sufficient level and having upgraded my sound card to a Delta 44 it has made a borderline case somewhat worse. Whilst the on board C-Media sound processor would handle low level inputs through its mic socket, complete with switchable preamp, the Delta 44 is a line level device and wants in the region of 0dBm +/- 10dB or so. I'm thinking now that the only reasonable solution will be to add some sort of amplifier, externally or internally (Orion is a big box!) in order to boost the output to this sort of level. I'm thinking that this will be even more useful in view of the fact that V2 software seems to have an even lower output level.

Would be interesting to know if the next release of 565 firmware will address this in any way.

73,

Martin, HS0ZED

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: 30 September 2010 14:01
To: orion565@yahoogroups.com
Subject: [orion565] Re: 565 Audio output levels

Over the weekend I will measure audio output on the same connectors and share what I have found. at least we can compare notes then :-)

I have no problem with low audio output on speaker and/or the din connector. driving the audio card is not a problem.

You are right (and I was wrong) about the dc voltage. That seems to be a problem for 566 only...

More to follow, best regards, Onno

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "Martin Sole" <hs0zed@...> wrote:
>
> Been away for a few weeks but finally got to look at my Orion audio output
> levels.
>
>

>
> I had been trying to understand why the aux out and line out levels seemed
> to be very low. An S9 signal producing a 1kHz audio tone measured about
> -27dBm into a 600 ohm load. After changing the software from 2.062 to
> 1.372b5 this increased to about -17dBm and is now enough to drive my PC
> audio card much better. This still seems low compared to the Ten-Tec spec
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> 0dBm into 600 ohms but I presume it has changed often as the software
> changed.
>
>
>
> I'll go back to using 1.372b5 for a while and see if I can live with the
> lack of band stack register indicators, fixed slope AGC, and other little
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>
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> I did notice that there is no DC on either the AUX OUT or LINE OUT sockets
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> connections and a 4.7uF with 100k to ground on the output side of the LINE
> OUT.
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> I definitely feel there is a lot more drive to the speaker as well. It
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> I suppose the change in levels with different versions of software must
> another of the trade-offs necessary to incorporate the V2 changes.
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> BTW. Any news on the next revision of the 565 software?
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>
> Martin, HS0ZED
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> [Non-text portions of this message have been removed]
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6362. Orion 565: grey / white LCD contrast fix

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-02 17:48:27 UTC
From: pa1ap
Topic: 6362 Message: 6362

Greetings,

I appears I have finally solved the contrast saturation issue with the grey/white LCD screen. Besides improved airflow I have also changed the backlight intensity which cured the saturation issue.

I have no cold to warm issue anymore, nor does the unit occur long term heat saturation as I had before. The modification is simple and requires three (3) normal diodes to be put in serie with the backlight wire (reducing the voltage to the backlight leds). This will reduce the intensity of the LCD screen and as a site effect it apparently prevents thermal heating to occur. I have the modification running little over three weeks now and it remains stable. Also the white on black is much more black then before.

The funny thing is that Tentec included PWM in the original design but apparently never cared about actually using PWM towards the backlight. In other words, it is a constant DC voltage instead of PWM... If TT would activate the PWM signal and provide access through the menu to the PWM signal then we could adjust brightness and contrast to arrive at optimum settings. But this is unfortunate not the case, hence the diode trick. Perhaps a feature request to TT?

Hope this is useful for others who are annoyed by the contrast ghost images...

73, onno pa1ap

6363. RE: [orion565] Orion 565: grey / white LCD contrast fix

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-04 02:56:23 UTC
From: Wes Attaway (N5WA)
Topic: 6362 Message: 6363

Onno:

Have you received any feedback from TenTec about this fix?

------------------ Wes Attaway (N5WA) ------------------

1138 Waters Edge Circle - Shreveport, LA 71106

318-797-4972 (office) - 318-393-3289 (cell)

Computer Consulting and Forensics

-------------- EnCase Certified Examiner ---------------

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Saturday, October 02, 2010 12:48 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion 565: grey / white LCD contrast fix

Greetings,

I appears I have finally solved the contrast saturation issue with the grey/white LCD screen. Besides improved airflow I have also changed the backlight intensity which cured the saturation issue.

I have no cold to warm issue anymore, nor does the unit occur long term heat saturation as I had before. The modification is simple and requires three (3) normal diodes to be put in serie with the backlight wire (reducing the voltage to the backlight leds). This will reduce the intensity of the LCD screen and as a site effect it apparently prevents thermal heating to occur. I have the modification running little over three weeks now and it remains stable. Also the white on black is much more black then before.

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Hope this is useful for others who are annoyed by the contrast ghost images...

73, onno pa1ap

[Non-text portions of this message have been removed]

6364. Re: Orion 565: grey / white LCD contrast fix

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-04 16:47:37 UTC
From: pa1ap
Topic: 6362 Message: 6364

No I did not. I will send another message to TT and wait for their answer.

I have spend a lot of time investigating the issue and tried many different things so far. This has been the most effective fix so far at my end.

I measured at R715 with an oscilloscope but at my unit it was just 5 Volt DC. It might be a fault in my unit but then again I heard several comments on poor contrast before.

Fix is easy to include / remove if needed.

When I have response from TT I will update on the topic.

73 Onno

--- In orion565@yahoogroups.com, "Wes Attaway \(N5WA\)" <wesattaway@...> wrote:
>
> Onno:
>
>
>
> Have you received any feedback from TenTec about this fix?
>
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>
> ------------------ Wes Attaway (N5WA) ------------------
>
> 1138 Waters Edge Circle - Shreveport, LA 71106
>
> 318-797-4972 (office) - 318-393-3289 (cell)
>
> Computer Consulting and Forensics
>
> -------------- EnCase Certified Examiner ---------------
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> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of pa1ap
> Sent: Saturday, October 02, 2010 12:48 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Orion 565: grey / white LCD contrast fix
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>
> Greetings,
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> Perhaps a feature request to TT?
>
> Hope this is useful for others who are annoyed by the contrast ghost
> images...
>
> 73, onno pa1ap
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> [Non-text portions of this message have been removed]
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6365. Experiment with BLUE LCD screen

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-16 16:18:23 UTC
From: pa1ap
Topic: 6365 Message: 6365

Greetings,

I am investigating the BLUE lcd screen timing issues which cause poor blue on white and weird refresh issues. My plan is to use a PIC as controller between 565 cpu and LCD logic to clean up the timing and sequencing.

The TT 565 LCD does not include a lcd controller and all timing and logic needs to be provided by the TT 565 embedded cpu. And as we can see, with every firmware release the quality varies up and down. I suspect the cpu does not have resources available at times which results in poor display timing.

The PIC would become a special LCD controller (timed latch / flip flop) and targets to offer optimized timing and sequence towards the LCD regardless of what the TT 565 CPU believes is correct. THis way the LCD will be driven correctly and the quality would become independent of the firmware. This will also improve the original grey/white screen.

Any suggestions and / or experiences are appreciated.

73, Onno pa1ap

6366. RE: [orion565] Orion 565: grey / white LCD contrast fix

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-17 02:13:23 UTC
From: Martin Sole
Topic: 6362 Message: 6366

Hi Onno,

Did you just put 3 regular si diodes in series with the wire from the connector on the dsp board going to the backlight? Think I might try this whilst I have the radio apart.

73,

Martin, HS0ZED

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: 03 October 2010 00:48
To: orion565@yahoogroups.com
Subject: [orion565] Orion 565: grey / white LCD contrast fix

Greetings,

I appears I have finally solved the contrast saturation issue with the grey/white LCD screen. Besides improved airflow I have also changed the backlight intensity which cured the saturation issue.

I have no cold to warm issue anymore, nor does the unit occur long term heat saturation as I had before. The modification is simple and requires three (3) normal diodes to be put in serie with the backlight wire (reducing the voltage to the backlight leds). This will reduce the intensity of the LCD screen and as a site effect it apparently prevents thermal heating to occur. I have the modification running little over three weeks now and it remains stable. Also the white on black is much more black then before.

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Hope this is useful for others who are annoyed by the contrast ghost images...

73, onno pa1ap

[Non-text portions of this message have been removed]

6367. Re: Orion 565: grey / white LCD contrast fix

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-17 07:51:20 UTC
From: pa1ap
Topic: 6362 Message: 6367

Yes indeed. Perfect contrast with no backlight but thenyou cannot work without ambient light.

--- In orion565@yahoogroups.com, "Martin Sole" <hs0zed@...> wrote:
>
> Hi Onno,
>
>
>
> Did you just put 3 regular si diodes in series with the wire from the
> connector on the dsp board going to the backlight? Think I might try this
> whilst I have the radio apart.
>
>
>
> 73,
>
> Martin, HS0ZED
>
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>
> From: orion565@...m [mailto:orion565@yahoogroups.com] On Behalf
> Of pa1ap
> Sent: 03 October 2010 00:48
> To: orion565@yahoogroups.com
> Subject: [orion565] Orion 565: grey / white LCD contrast fix
>
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> Greetings,
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> Perhaps a feature request to TT?
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> Hope this is useful for others who are annoyed by the contrast ghost
> images...
>
> 73, onno pa1ap
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> [Non-text portions of this message have been removed]
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6368. Re: Orion 565: grey / white LCD contrast fix

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-17 08:06:42 UTC
From: pa1ap
Topic: 6362 Message: 6368

Yes indeed. Perfect contrast with no backlight but thenyou cannot work without ambient light.

--- In orion565@yahoogroups.com, "Martin Sole" <hs0zed@...> wrote:
>
> Hi Onno,
>
>
>
> Did you just put 3 regular si diodes in series with the wire from the
> connector on the dsp board going to the backlight? Think I might try this
> whilst I have the radio apart.
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> 73,
>
> Martin, HS0ZED
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>
> From: orion565@...m [mailto:orion565@yahoogroups.com] On Behalf
> Of pa1ap
> Sent: 03 October 2010 00:48
> To: orion565@yahoogroups.com
> Subject: [orion565] Orion 565: grey / white LCD contrast fix
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> Greetings,
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> I have no cold to warm issue anymore, nor does the unit occur long term heat
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> (3) normal diodes to be put in serie with the backlight wire (reducing the
> voltage to the backlight leds). This will reduce the intensity of the LCD
> screen and as a site effect it apparently prevents thermal heating to occur.
> I have the modification running little over three weeks now and it remains

> stable. Also the white on black is much more black then before.
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> Hope this is useful for others who are annoyed by the contrast ghost
> images...
>
> 73, onno pa1ap
>
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>
> [Non-text portions of this message have been removed]
>

6369. rigblaster

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-17 11:56:09 UTC
From: ron story
Topic: 6369 Message: 6369

i have an original rigblaster, would like to use it on 566, it works as wired for a yaesu but has a hum, anyone know how to stop the hum other that teaching it the words? ron ne0x

[Non-text portions of this message have been removed]

6370. Built in Clock

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-17 15:47:16 UTC
From: Fernando
Topic: 6370 Message: 6370

Hello

Just learned from another TT list that there is a Built-in Clock chip

with a battery. It sure would be nice to have had that enabled.

And while they are soliciting ideas for improvement on the O1 firmware,

may I suggest a visual spot annunciator.

73 Fernando N2FQ

6371. Re: rigblaster

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-18 11:37:33 UTC
From: pa1ap
Topic: 6369 Message: 6371

With 566 there seems to be a small design flaw and DC (5V) is put on the audio output pins (on the din plug)... Try to decouple using capacitor which prevents any transformer from saturating. I don't know the rigblaster internals... I assume it has a 600:600 transformer? If not included already within the rigblaster, include a 600:600 transformer to provide decoupling.

--- In orion565@yahoogroups.com, ron story <ronnieboy1947@...> wrote:
>
> i have an original rigblaster, would like to use it on 566, it works as wired
> for a yaesu but has a hum, anyone know how to stop the hum other that teaching
> it the words? ron ne0x
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

6372. Orion 565 shuts down during xmit on 20 m

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-18 15:20:05 UTC
From: mleary2001
Topic: 6372 Message: 6372

Hi all,

My Orion 565 shuts down on transmit only on the 20 m band with power at or above 55 watts into a Hustler vertical. Even pressing the tune button causes the machine to shut down. I have to recycle the power switch on the machine and also on the power supply to get the machine to power back up. No symptoms on any other band.

Any help much appreciated.

Mike K7MSO

6373. Re: [orion565] Orion 565 shuts down during xmit on 20 m

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-18 16:05:35 UTC
From: Robert Mcgraw
Topic: 6372 Message: 6373

Likely RF back into the radio. Common mode chokes installed on the coax
at the radio and on the DC power leads at the radio should correct the
matter. You may have to put them on the AC line at the power supply as
well. Start with the coax at the output of the radio as the first step.

73
Bob, K4TAX

> Hi all,
>
> My Orion 565 shuts down on transmit only on the 20 m band with power at
> or above 55 watts into a Hustler vertical. Even pressing the tune button
> causes the machine to shut down. I have to recycle the power switch on
> the machine and also on the power supply to get the machine to power back
> up. No symptoms on any other band.
>
> Any help much appreciated.
>
> Mike K7MSO
>
>

6374. Re: [orion565] Orion 565 shuts down during xmit on 20 m

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-19 12:37:53 UTC
From: jd_hudson@comcast.net
Topic: 6372 Message: 6374

Mine did the same thing.. check the INSIDE of the power connection for darkened pins.. not making contact.. took the on board connector off and hard wired the power connection

good luck

John

KO4XJ

----- Original Message -----
From: "Robert Mcgraw" <RMcGraw@...>
To: orion565@yahoogroups.com
Sent: Monday, October 18, 2010 9:05:35 AM
Subject: Re: [orion565] Orion 565 shuts down during xmit on 20 m

Likely RF back into the radio. Common mode chokes installed on the coax
at the radio and on the DC power leads at the radio should correct the
matter. You may have to put them on the AC line at the power supply as
well. Start with the coax at the output of the radio as the first step.

73
Bob, K4TAX

> Hi all,
>
> My Orion 565 shuts down on transmit only on the 20 m band with power at
> or above 55 watts into a Hustler vertical. Even pressing the tune button
> causes the machine to shut down. I have to recycle the power switch on
> the machine and also on the power supply to get the machine to power back
> up. No symptoms on any other band.
>
> Any help much appreciated.
>
> Mike K7MSO
>
>

[Non-text portions of this message have been removed]

6375. ORION II wanted - OMNI VII and OMNI VI FS

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-20 16:33:24 UTC
From: w2msj
Topic: 6375 Message: 6375

After a recent visit to TenTec I have decided to upgrade to an ORION II. This will require selling my OMNI VI and VII. If you have an interest in either, please contact me off list for the particulars.
Anyone have an ORION II for sale or trade?
Thanks, Lynn, W2MSJ

6376. ORION 1

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-22 23:07:38 UTC
From: n5tog
Topic: 6376 Message: 6376

Hello Thinking of buying a orion 1 or may be orion2 would be cash buyer if in driveing dis... of mccomb ms. and what are they going for Thanks Harold n5tog

6377. Can't Update Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-23 18:55:12 UTC
From: gary strong
Topic: 6377 Message: 6377

I'm hoping someone on the group can help me.

I purchased a used Orion II, and I am unable to update the unit to the latest software. It is currently running 2.039D software. I have the rig connected to the Com 1 port on my Windows 7 machine with the included RS232 cable. I believe the connections are all fine as Ham Radio Deluxe works fine using this port and operating the Orion II. I reboot my Windows machine prior to powering up the Orion II so that everything starts from scratch.

I followed the Ten Tec instructions - Turn on radio while pressing User 2 - I get the appropriate "Flash Update Mode" showing on the Orion II screen. I then start up the update software, make sure Com 1 is selected, select the 2.044A file, and then the program starts. It says "Using Serial Interface" and then nothing appears. After a few seconds I get a "Communication with the radio has failed......." message.

I've also tried connecting the cable / radio to Com 2, as well as a USB / RS232 adapter. All get the same error message. Any ideas?

Gary
KO0Q

[Non-text portions of this message have been removed]

6378. Dimming of Display when keying

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-24 03:28:10 UTC
From: Fernando
Topic: 6378 Message: 6378

Hello.

I had this problem with the contrast dimming when I'd key the rig on my Orion 1.

I hadn't notice it but it seems to gradually get worst.

Searching the web I came across Ron's (N6IE) webpage describing

the replacement of the capacitors on the A9 board.

Well, I did that and it fix that problem.

As an extra, I went ahead and replace the molex connector and

replace it with Power Poles. I got my cue from the new Eagle

which has them.

It was a simple desoldering of the connector pins from the board

and putting in the PP.

Hope this helps someone and encourages another.

73 Fernando N2FQ/6

6379. Re: Dimming of Display when keying

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-24 08:44:26 UTC
From: pa1ap
Topic: 6378 Message: 6379

On the power poles -> Did you by any chance make pictures? Besides removing the covers, what else needs to be dismounted?

And can you share the type of power poles used? I guess it is the pcb version (20 amp or 40 amp?)...

Below is what I found on the internet:

http://www.powerwerx.com/anderson-powerpoles/housings-contacts/

Could you advice? Much appreciated!

Thanks and regards, Onno pa1ap

--- In orion565@yahoogroups.com, Fernando <n2fq@...> wrote:
>
> Hello.
>
> I had this problem with the contrast dimming when I'd key the rig on
> my Orion 1.
>
> I hadn't notice it but it seems to gradually get worst.
>
> Searching the web I came across Ron's (N6IE) webpage describing
>
> the replacement of the capacitors on the A9 board.
>
>
> Well, I did that and it fix that problem.
>
>
> As an extra, I went ahead and replace the molex connector and
>
> replace it with Power Poles. I got my cue from the new Eagle
>
> which has them.
>
> It was a simple desoldering of the connector pins from the board
>
> and putting in the PP.
>
>
> Hope this helps someone and encourages another.
>
> 73 Fernando N2FQ/6
>

6380. Re: Can't Update Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-24 09:04:26 UTC
From: pa1ap
Topic: 6377 Message: 6380

Thats an interesting challenge.

1) cable is correct -> you can control rig with HRD
2) serial port is correct -> see #1
3) burning the firmware does not work...

Typically if you start the firmware upgrade tool you will see in bottom right corner a message about DPS version xxx or something like that. This once you have connected to correct serial port and starting the upgrade. If you do not see this, something is wrong in the communication.

Did you change anything on the computer drivers? Did you enable FIFO on the serial port? Are you using any serial port virtualization software? If you start the firmware upgrade program, how many serial ports can you select? COM1, COM2 etc...?

Some time ago I had a TS-2K and learned that my computer was to fast for the firmware upgrade. After troubleshooting I learned I had to enable FIFO and set receive and transmit buffers at certain value to allow the firmware upgrade to succeed. I am not suggesting this is the case for Orion, but it might be worth checking... If you do decide to fiddle with fifo, please take into account you have to disable and enable the serial port before the change becomes active.

--- In orion565@yahoogroups.com, gary strong <gstrongx@...> wrote:
>
> I'm hoping someone on the group can help me.
>
> I purchased a used Orion II, and I am unable to update the unit to the
> latest software. It is currently running 2.039D software. I have the rig
> connected to the Com 1 port on my Windows 7 machine with the included RS232
> cable. I believe the connections are all fine as Ham Radio Deluxe works
> fine using this port and operating the Orion II. I reboot my Windows machine
> prior to powering up the Orion II so that everything starts from scratch.
>
> I followed the Ten Tec instructions - Turn on radio while pressing User 2 -
> I get the appropriate "Flash Update Mode" showing on the Orion II screen. I
> then start up the update software, make sure Com 1 is selected, select the
> 2.044A file, and then the program starts. It says "Using Serial Interface"
> and then nothing appears. After a few seconds I get a "Communication with
> the radio has failed......." message.
>
> I've also tried connecting the cable / radio to Com 2, as well as a USB /
> RS232 adapter. All get the same error message. Any ideas?
>
> Gary
> KO0Q
>

>
> [Non-text portions of this message have been removed]
>

6381. Orion 565: problems with antenna relais

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-24 09:36:05 UTC
From: pa1ap
Topic: 6381 Message: 6381

Greetings,

Seems one of the relais has a dirty contact or something like that and I hope someone can advice best solution. here is the sympthom: when connecting antenna to ant1, output power is limited and swr is really bad. When switching to ant2 (after change over same antenna), full output power and swr is just fine. Also receive is on ANT1 poor when comparing rx through ant2. In the past I was able to fix the issue by switching the relais through software (quick switch sequence of 20.. 50x)... but now that does not really work anymore.

Is this a known issue and does someone know which relais needs to be taken care of and how this can be replaced easiest?

Thanks for advice, regards, Onno

6382. using rigblaster with orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-24 10:29:58 UTC
From: ron story
Topic: 6382 Message: 6382

well after getting reply from west mountain about ground loop causing hum (which was information i didnt need ie it was humming) and no other info. i grounded pin 5 to case of rigblaster and no more hum. it wires as an old yaesu in the rigblaster handbook.works great now no thanks to rigblaster ...ron ne0x

[Non-text portions of this message have been removed]

6383. TT Orion 2 mods

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-24 10:55:39 UTC
From: Peter Frenning
Topic: 6383 Message: 6383

I've been a busy little boy, last night I took my Orion apart, and performed a couple of mods, and this AM I've been doing the "paper"work - please feel free to comment and criticize!

http://www.frenning.dk/OZ1PIF_HOMEPAGE/TenTec_OrionII.html

Vy 73 de OZ1PIF/5Q2M, Peter

****
** Genius is one per cent inspiration, **
** and ninety-nine per cent **
** perspiration. **
** -- Thomas A. Edison **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

[Non-text portions of this message have been removed]

6384. Re: Orion 565: problems with antenna relais

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-24 12:00:17 UTC
From: pa1ap
Topic: 6381 Message: 6384

While going step by step troubleshooting I learned that the build-in antenna tuner despite being disabled in the menu was actually in-line somehow...

After I enabled the antenna tuner through the menu, hit the tune button, the usual click clack click happened and full output achieved into the already resonant antenna (ant 1). Then I disabled the build-in antenna tuner and it all remained perfect. Changed bands and all is back to normal again.

At the moment I am running 1372 and it seems that sometimes the tuner is being put in-line without instructions to do so. Hence bizar high swr and low output. This does not happen often, but when it happens its a bit confusing...

73 Onno de pa1ap

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings,
>
> Seems one of the relais has a dirty contact or something like that and I hope someone can advice best solution. here is the sympthom: when connecting antenna to ant1, output power is limited and swr is really bad. When switching to ant2 (after change over same antenna), full output power and swr is just fine. Also receive is on ANT1 poor when comparing rx through ant2. In the past I was able to fix the issue by switching the relais through software (quick switch sequence of 20.. 50x)... but now that does not really work anymore.
>
> Is this a known issue and does someone know which relais needs to be taken care of and how this can be replaced easiest?
>
> Thanks for advice, regards, Onno
>

6385. Re:Can't Update Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-24 12:55:14 UTC
From: John K Gotwals
Topic: 6377 Message: 6385

You might try checking the settings of your serial port. When I do an upgrade, I use these port settings:
speed – 57,600 bps
parity – none
data bits – 8
stop bit – 1

John, N9JG

[Non-text portions of this message have been removed]

6386. Re: [orion565] Re: Dimming of Display when keying

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-24 17:46:13 UTC
From: Fernando
Topic: 6378 Message: 6386

Hello

Pictures on my webpage.

<http://pages.sbcglobal.net/nf6q/>

I need to rearrange the page but for now it will do.

Power Poles are the

PP30 (30A). You need some 1/16 (1.57mm) brass tubing and

optionally a Power Pole retaining plate for stress relief.

You don't really need the retaining plate but I have some

and not afraid to drill holes. hi..

More details on request.

73 Fernando N2FQ/6

On Oct 24, 2010, at 1:44 AM, pa1ap wrote:

> On the power poles -> Did you by any chance make pictures? Besides
> removing the covers, what else needs to be dismounted?
>
> And can you share the type of power poles used? I guess it is the
> pcb version (20 amp or 40 amp?)...
>
> Below is what I found on the internet:
>
> http://www.powerwerx.com/anderson-powerpoles/housings-contacts/
>
> Could you advice? Much appreciated!
>
> Thanks and regards, Onno pa1ap
>
>
> --- In orion565@yahoogroups.com, Fernando <n2fq@...> wrote:
>>
>> Hello.
>>
>> I had this problem with the contrast dimming when I'd key the rig on
>> my Orion 1.
>>
>> I hadn't notice it but it seems to gradually get worst.
>>

>> Searching the web I came across Ron's (N6IE) webpage describing
>>
>> the replacement of the capacitors on the A9 board.
>>
>>
>> Well, I did that and it fix that problem.
>>
>>
>> As an extra, I went ahead and replace the molex connector and
>>
>> replace it with Power Poles. I got my cue from the new Eagle
>>
>> which has them.
>>
>> It was a simple desoldering of the connector pins from the board
>>
>> and putting in the PP.
>>
>>
>> Hope this helps someone and encourages another.
>>
>> 73 Fernando N2FQ/6
>>
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> Yahoo! Groups Links
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6387. Re: [orion565] Re: Dimming of Display when keying

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-24 17:55:49 UTC
From: Fernando
Topic: 6378 Message: 6387

Correction on url.

<http://pages.sbcglobal.net/n2fq/>

On Oct 24, 2010, at 1:44 AM, pa1ap wrote:

> On the power poles -> Did you by any chance make pictures? Besides
> removing the covers, what else needs to be dismounted?
>
> And can you share the type of power poles used? I guess it is the
> pcb version (20 amp or 40 amp?)...
>
> Below is what I found on the internet:
>
> http://www.powerwerx.com/anderson-powerpoles/housings-contacts/
>
> Could you advice? Much appreciated!
>
> Thanks and regards, Onno pa1ap
>
>
> --- In orion565@yahoogroups.com, Fernando <n2fq@...> wrote:
>>
>> Hello.
>>
>> I had this problem with the contrast dimming when I'd key the rig on
>> my Orion 1.
>>
>> I hadn't notice it but it seems to gradually get worst.
>>
>> Searching the web I came across Ron's (N6IE) webpage describing
>>
>> the replacement of the capacitors on the A9 board.
>>
>>
>> Well, I did that and it fix that problem.
>>
>>
>> As an extra, I went ahead and replace the molex connector and
>>
>> replace it with Power Poles. I got my cue from the new Eagle
>>
>> which has them.
>>
>> It was a simple desoldering of the connector pins from the board
>>

>> and putting in the PP.
>>
>>
>> Hope this helps someone and encourages another.
>>
>> 73 Fernando N2FQ/6
>>
>
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>
> Yahoo! Groups Links
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>

6388. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-24 20:40:07 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 6388

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Serial port testing.zip
Uploaded by : pa1ap <pa1ap@...>
Description : Windows serial port testing tool for Orion communication troubleshooting. Tool will ensure proper settings on computer as well provide directions on possible issues. It provides 4 step verification. Hope it is of use for someone.

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/Serial%20port%20testing.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

6389. Re: Dimming of Display when keying

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-24 20:49:44 UTC
From: pa1ap
Topic: 6378 Message: 6389

excellent pictures and thanks a lot for sharing! It looks very nice and it is worth the change I believe. Smart move on the modification to the original power poles with the brass tubes. Its on my list of next to do...

By the way, please check the fuse next to the power connector. With my rig the fuse was very oxidized and hence giving poor contact as well. It was near black...

73, onno pa1ap

--- In orion565@yahoogroups.com, Fernando <n2fq@...> wrote:
>
> Correction on url.
>
> <http://pages.sbcglobal.net/n2fq/>
>
>
> On Oct 24, 2010, at 1:44 AM, pa1ap wrote:
>
> > On the power poles -> Did you by any chance make pictures? Besides
> > removing the covers, what else needs to be dismounted?
> >
> > And can you share the type of power poles used? I guess it is the
> > pcb version (20 amp or 40 amp?)...
> >
> > Below is what I found on the internet:
> >
> > http://www.powerwerx.com/anderson-powerpoles/housings-contacts/
> >
> > Could you advice? Much appreciated!
> >
> > Thanks and regards, Onno pa1ap
> >
> >
> > --- In orion565@yahoogroups.com, Fernando <n2fq@> wrote:
> >>
> >> Hello.
> >>
> >> I had this problem with the contrast dimming when I'd key the rig on
> >> my Orion 1.
> >>
> >> I hadn't notice it but it seems to gradually get worst.
> >>
> >> Searching the web I came across Ron's (N6IE) webpage describing
> >>
> >> the replacement of the capacitors on the A9 board.
> >>

> >>
> >> Well, I did that and it fix that problem.
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> >> As an extra, I went ahead and replace the molex connector and
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> >> replace it with Power Poles. I got my cue from the new Eagle
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> >> which has them.
> >>
> >> It was a simple desoldering of the connector pins from the board
> >>
> >> and putting in the PP.
> >>
> >>
> >> Hope this helps someone and encourages another.
> >>
> >> 73 Fernando N2FQ/6
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> > Yahoo! Groups Links
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6390. Re: Can't Update Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-24 20:55:54 UTC
From: pa1ap
Topic: 6377 Message: 6390

In case you have not been able to troubleshoot, I have uploaded a windows program which could help troublshooting.

http://groups.yahoo.com/group/orion565/files/Serial%20port%20testing.zip

Program allows you to connect to any serial port. If it connects with both port and CTS up it will automatically check if a ORION is connected. If so, the program will confirm with happy face. If not, the program will allow you to test ORION TX (power recycle needed) as well ORION RX. If the cable is broken (for example TX wire) you will find out very quickly. Same for RX wire and/or CTS wire.

It is not much but it will eliminate any serial port configuration as I have included hardcoded values for the serial port variables.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, gary strong <gstrongx@...> wrote:
>
> I'm hoping someone on the group can help me.
>
> I purchased a used Orion II, and I am unable to update the unit to the
> latest software. It is currently running 2.039D software. I have the rig
> connected to the Com 1 port on my Windows 7 machine with the included RS232
> cable. I believe the connections are all fine as Ham Radio Deluxe works
> fine using this port and operating the Orion II. I reboot my Windows machine
> prior to powering up the Orion II so that everything starts from scratch.
>
> I followed the Ten Tec instructions - Turn on radio while pressing User 2 -
> I get the appropriate "Flash Update Mode" showing on the Orion II screen. I
> then start up the update software, make sure Com 1 is selected, select the
> 2.044A file, and then the program starts. It says "Using Serial Interface"
> and then nothing appears. After a few seconds I get a "Communication with
> the radio has failed......." message.
>
> I've also tried connecting the cable / radio to Com 2, as well as a USB /
> RS232 adapter. All get the same error message. Any ideas?
>
> Gary
> KO0Q
>
>
> [Non-text portions of this message have been removed]
>

6391. RE: [orion565] Re: Dimming of Display when keying

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-24 21:13:28 UTC
From: Robert Carroll
Topic: 6378 Message: 6391

It's a one in a million event, but a strand from a ground braid brushed against my Orion 565 once. At least on my fuse, there were tiny openings in the plastic which exposed the metal within-and the braid strand poked into one. There was quite a flash and a pop followed by a few curse words. Fortunately the Orion worked when I replaced the fuse.

73

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Sunday, October 24, 2010 4:50 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Dimming of Display when keying

excellent pictures and thanks a lot for sharing! It looks very nice and it is worth the change I believe. Smart move on the modification to the original power poles with the brass tubes. Its on my list of next to do...

By the way, please check the fuse next to the power connector. With my rig the fuse was very oxidized and hence giving poor contact as well. It was near black...

73, onno pa1ap

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , Fernando <n2fq@...> wrote:
>
> Correction on url.
>
> <http://pages.sbcglobal.net/n2fq/>
>
>
> On Oct 24, 2010, at 1:44 AM, pa1ap wrote:
>
> > On the power poles -> Did you by any chance make pictures? Besides
> > removing the covers, what else needs to be dismounted?
> >
> > And can you share the type of power poles used? I guess it is the
> > pcb version (20 amp or 40 amp?)...
> >
> > Below is what I found on the internet:
> >
> > http://www.powerwerx.com/anderson-powerpoles/housings-contacts/
> >
> > Could you advice? Much appreciated!

> >
> > Thanks and regards, Onno pa1ap
> >
> >
> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
Fernando <n2fq@> wrote:
> >>
> >> Hello.
> >>
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> >> my Orion 1.
> >>
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> >>
> >> Searching the web I came across Ron's (N6IE) webpage describing
> >>
> >> the replacement of the capacitors on the A9 board.
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> >>
> >> Well, I did that and it fix that problem.
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> >> As an extra, I went ahead and replace the molex connector and
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> >> which has them.
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> >> It was a simple desoldering of the connector pins from the board
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> >> and putting in the PP.
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> >> Hope this helps someone and encourages another.
> >>
> >> 73 Fernando N2FQ/6
> >>
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[Non-text portions of this message have been removed]

6392. Re: [orion565] Re: Dimming of Display when keying

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-24 21:18:13 UTC
From: Fernando
Topic: 6378 Message: 6392

Onno

Thanks and yep the fuse here was tarnished as well.

Used a pencil eraser and shined it up.

73 Fernando N2FQ/6
On Oct 24, 2010, at 1:49 PM, pa1ap wrote:

>
> By the way, please check the fuse next to the power connector. With
> my rig the fuse was very oxidized and hence giving poor contact as
> well. It was near black...
>
> 73, onno pa1ap
>
>

6393. Re: [orion565] Re: Can't Update Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-25 00:20:03 UTC
From: gary strong
Topic: 6377 Message: 6393

Onno
thank you very much for this program. While I did get my Orion II updated
using an old XP machine, your program will let me diagnose why it won't work
on my Windows 7 machine. As John shared in another post shared, I suspect it
is the speed of my new machine (Intel I7).

thanks!
Gary

On Sun, Oct 24, 2010 at 3:55 PM, pa1ap <pa1ap@...> wrote:

>
>
> In case you have not been able to troubleshoot, I have uploaded a windows
> program which could help troublshooting.
>
> http://groups.yahoo.com/group/orion565/files/Serial%20port%20testing.zip
>
> Program allows you to connect to any serial port. If it connects with both
> port and CTS up it will automatically check if a ORION is connected. If so,
> the program will confirm with happy face. If not, the program will allow you
> to test ORION TX (power recycle needed) as well ORION RX. If the cable is
> broken (for example TX wire) you will find out very quickly. Same for RX
> wire and/or CTS wire.
>
> It is not much but it will eliminate any serial port configuration as I
> have included hardcoded values for the serial port variables.
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> Best regards, Onno pa1ap
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> --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, gary strong
> <gstrongx@...> wrote:
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> > connected to the Com 1 port on my Windows 7 machine with the included
> RS232
> > cable. I believe the connections are all fine as Ham Radio Deluxe works
> > fine using this port and operating the Orion II. I reboot my Windows
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> > prior to powering up the Orion II so that everything starts from scratch.
> >
> > I followed the Ten Tec instructions - Turn on radio while pressing User 2
> -

> > I get the appropriate "Flash Update Mode" showing on the Orion II screen.
> I
> > then start up the update software, make sure Com 1 is selected, select
> the
> > 2.044A file, and then the program starts. It says "Using Serial
> Interface"
> > and then nothing appears. After a few seconds I get a "Communication with
> > the radio has failed......." message.
> >
> > I've also tried connecting the cable / radio to Com 2, as well as a USB /
> > RS232 adapter. All get the same error message. Any ideas?
> >
> > Gary
> > KO0Q
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>

[Non-text portions of this message have been removed]

6394. Re: Can't Update Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-25 06:06:24 UTC
From: pa1ap
Topic: 6377 Message: 6394

Check FIFO settings on the serial port. I suspect it is set to maximum value. Adjust it to about 50% to see if that will help.

--- In orion565@yahoogroups.com, gary strong <gstrongx@...> wrote:
>
> Onno
> thank you very much for this program. While I did get my Orion II updated
> using an old XP machine, your program will let me diagnose why it won't work
> on my Windows 7 machine. As John shared in another post shared, I suspect it
> is the speed of my new machine (Intel I7).
>
> thanks!
> Gary
>
> On Sun, Oct 24, 2010 at 3:55 PM, pa1ap <pa1ap@...> wrote:
>
> >
> >
> > In case you have not been able to troubleshoot, I have uploaded a windows
> > program which could help troublshooting.
> >
> > http://groups.yahoo.com/group/orion565/files/Serial%20port%20testing.zip
> >
> > Program allows you to connect to any serial port. If it connects with both
> > port and CTS up it will automatically check if a ORION is connected. If so,
> > the program will confirm with happy face. If not, the program will allow you
> > to test ORION TX (power recycle needed) as well ORION RX. If the cable is
> > broken (for example TX wire) you will find out very quickly. Same for RX
> > wire and/or CTS wire.
> >
> > It is not much but it will eliminate any serial port configuration as I
> > have included hardcoded values for the serial port variables.
> >
> > Best regards, Onno pa1ap
> >
> > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, gary strong
> > <gstrongx@> wrote:
> > >
> > > I'm hoping someone on the group can help me.
> > >
> > > I purchased a used Orion II, and I am unable to update the unit to the
> > > latest software. It is currently running 2.039D software. I have the rig
> > > connected to the Com 1 port on my Windows 7 machine with the included
> > RS232
> > > cable. I believe the connections are all fine as Ham Radio Deluxe works

> > > fine using this port and operating the Orion II. I reboot my Windows
> > machine
> > > prior to powering up the Orion II so that everything starts from scratch.
> > >
> > > I followed the Ten Tec instructions - Turn on radio while pressing User 2
> > -
> > > I get the appropriate "Flash Update Mode" showing on the Orion II screen.
> > I
> > > then start up the update software, make sure Com 1 is selected, select
> > the
> > > 2.044A file, and then the program starts. It says "Using Serial
> > Interface"
> > > and then nothing appears. After a few seconds I get a "Communication with
> > > the radio has failed......." message.
> > >
> > > I've also tried connecting the cable / radio to Com 2, as well as a USB /
> > > RS232 adapter. All get the same error message. Any ideas?
> > >
> > > Gary
> > > KO0Q
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

6395. Re: Orion 565: problems with antenna relais

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-25 12:31:58 UTC
From: Anthony Bowyer
Topic: 6381 Message: 6395

Onno,
I have seen this issue as well. It seems to be related to the bypass relay on the tuner. Seems there is a condition where this relay is not engaged, so the connection from the PA (and filters) to the antenna is basically wide open.

I suspect there is some combination of events that places the tuner in a state of "limbo". A superficial observation on my part, leads me to believe there is little if any CPU 'handshaking' with the tuner, and so there is a great number of assumptions made in the firmware regarding both it's actions and it's state.

I usually have it disabled and use an external tuner (since I run an amplifier much of the time). Even disabled, this has happened to me. Usually changing bands will get things working until I switch the Orion off and back on, and it is in this state again.

I have found one thing that corrects it: enabling the tuner and running it through one tune cycle. Then it can be disabled and all will work well.

I haven't been able to find the exact combination of events that cause this condition. I suspect in my case it has something to do with shutting down the Orion while I'm using HRD to control it (PC control). Unfortunately it is a random event and I can't seem to duplicate it. It has happened to be at least 3 times in the last year however.

Anthony, K4ZNO

[Non-text portions of this message have been removed]

6396. looking for good rtty/ digital interface for Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-25 15:04:14 UTC
From: Michael W Elliott
Topic: 6396 Message: 6396

Hello

was wondering what is a good rtty / digital interface to use with the Orion II

any suggestions

de

KQ0B

Michael W. Elliott
"THE INSIDE ADVANTAGE"   -
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Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri

[Non-text portions of this message have been removed]

6397. Re: [orion565] looking for good rtty/ digital interface for Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-25 16:10:25 UTC
From: Bob Davis
Topic: 6396 Message: 6397

I still use my old PK-232 that has been updated. I run FSK.

73 de Bob, WG7Y
----- Original Message -----
From: "Michael W Elliott" <kq0b@...>
To: <orion565@yahoogroups.com>
Sent: Monday, October 25, 2010 9:04 AM
Subject: [orion565] looking for good rtty/ digital interface for Orion II

Hello

was wondering what is a good rtty / digital interface to use with the Orion
II

any suggestions

de

KQ0B

Michael W. Elliott
"THE INSIDE ADVANTAGE" -
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Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri

[Non-text portions of this message have been removed]

Yahoo! Groups Links

6398. Re: [orion565] looking for good rtty/ digital interface for Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-25 16:18:43 UTC
From: Michael W Elliott
Topic: 6396 Message: 6398

thanks

are you wiring it from microphone plug ???

Michael W. Elliott
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Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri

--- On Mon, 10/25/10, Bob Davis <davisent@...> wrote:

From: Bob Davis <davisent@...>
Subject: Re: [orion565] looking for good rtty/ digital interface for Orion II
To: orion565@yahoogroups.com
Date: Monday, October 25, 2010, 11:10 AM

I still use my old PK-232 that has been updated. I run FSK.

73 de Bob, WG7Y

----- Original Message -----

From: "Michael W Elliott" <kq0b@...>

To: <orion565@yahoogroups.com>

Sent: Monday, October 25, 2010 9:04 AM

Subject: [orion565] looking for good rtty/ digital interface for Orion II

Hello

was wondering what is a good rtty / digital interface to use with the Orion

II

any suggestions

de

KQ0B

Michael W. Elliott

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St. Louis County Missouri

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

6399. Re: [orion565] looking for good rtty/ digital interface for Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-25 17:00:42 UTC
From: David H Walker
Topic: 6396 Message: 6399

I have used a MicroHam keyer for about 4 years with a Orion and no problems
at all.
73
K0COP
David H. Walker
PO Box 2378
Aiken, SC 29802
Time=EDT
FAX and HOME=803 648 2921
MOBILE=803 600 0293

On Mon, Oct 25, 2010 at 12:10, Bob Davis <davisent@...> wrote:

>
>
> I still use my old PK-232 that has been updated. I run FSK.
>
> 73 de Bob, WG7Y
> ----- Original Message -----
> From: "Michael W Elliott" <kq0b@... <kq0b%40sbcglobal.net>>
> To: <orion565@yahoogroups.com <orion565%40yahoogroups.com>>
> Sent: Monday, October 25, 2010 9:04 AM
> Subject: [orion565] looking for good rtty/ digital interface for Orion II
>
> Hello
>
> was wondering what is a good rtty / digital interface to use with the Orion
>
> II
>
> any suggestions
>
> de
>
> KQ0B
>
> Michael W. Elliott
> "THE INSIDE ADVANTAGE" -
> RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
> Servant to Bridgett, Collin and all my Creditors
> St. Louis County Missouri
>
> [Non-text portions of this message have been removed]
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> ------------------------------------

>
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

6400. Re: [orion565] looking for good rtty/ digital interface for Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-25 17:35:42 UTC
From: Michael W Elliott
Topic: 6396 Message: 6400

thanks

Michael W. Elliott
"THE INSIDE ADVANTAGE"   -
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Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri

--- On Mon, 10/25/10, David H Walker <k0cop@...> wrote:

From: David H Walker <k0cop@...>
Subject: Re: [orion565] looking for good rtty/ digital interface for Orion II
To: orion565@yahoogroups.com
Date: Monday, October 25, 2010, 12:00 PM

I have used a MicroHam keyer for about 4 years with a Orion and no problems

at all.

73

K0COP

David H. Walker

PO Box 2378

Aiken, SC 29802

Time=EDT

FAX and HOME=803 648 2921

MOBILE=803 600 0293

On Mon, Oct 25, 2010 at 12:10, Bob Davis <davisent@...> wrote:

>

>

> I still use my old PK-232 that has been updated. I run FSK.

>

> 73 de Bob, WG7Y

> ----- Original Message -----

> From: "Michael W Elliott" <kq0b@... <kq0b%40sbcglobal.net>>

> To: <orion565@yahoogroups.com <orion565%40yahoogroups.com>>

> Sent: Monday, October 25, 2010 9:04 AM

> Subject: [orion565] looking for good rtty/ digital interface for Orion II

>

> Hello

>

> was wondering what is a good rtty / digital interface to use with the Orion

>

> II

>

> any suggestions

>

> de

>

> KQ0B

>

> Michael W. Elliott

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> St. Louis County Missouri

>

> [Non-text portions of this message have been removed]

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> Yahoo! Groups Links

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>

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[Non-text portions of this message have been removed]

6401. Re: [orion565] looking for good rtty/ digital interface for Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-25 20:40:57 UTC
From: Bob McGraw - K4TAX
Topic: 6396 Message: 6401

In as much as the radio provides an Aux or Line input, I do not connect anything to the mike input except a mike. Much less issues to deal with.

The RigBlaster seems to be one of the more popular devices. At the same time, in doing AFSK and other digital modes, I have been very successful not using any interface, just connect the radio to the computer sound card input and output. I use the Windows Mixer to handle the level controls. I use the VOX to handle the RX/TX switching.

73
Bob, K4TAX

----- Original Message -----
From: Michael W Elliott
To: orion565@yahoogroups.com
Sent: Monday, October 25, 2010 11:18 AM
Subject: Re: [orion565] looking for good rtty/ digital interface for Orion II

thanks

are you wiring it from microphone plug ???

Michael W. Elliott
"THE INSIDE ADVANTAGE" -
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St. Louis County Missouri

--- On Mon, 10/25/10, Bob Davis <davisent@...> wrote:

From: Bob Davis <davisent@...>
Subject: Re: [orion565] looking for good rtty/ digital interface for Orion II
To: orion565@yahoogroups.com
Date: Monday, October 25, 2010, 11:10 AM

I still use my old PK-232 that has been updated. I run FSK.

73 de Bob, WG7Y

----- Original Message -----

From: "Michael W Elliott" <kq0b@...>

To: <orion565@yahoogroups.com>

Sent: Monday, October 25, 2010 9:04 AM

Subject: [orion565] looking for good rtty/ digital interface for Orion II

Hello

was wondering what is a good rtty / digital interface to use with the Orion

II

any suggestions

de

KQ0B

Michael W. Elliott

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Servant to Bridgett, Collin and all my Creditors

St. Louis County Missouri

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6402. Re: [orion565] Re: Can't Update Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-26 18:18:16 UTC
From: gary strong
Topic: 6377 Message: 6402

Omno,

I tried to run the setup program in the zip file you shared to test the
Orion II communications but I get an error message "Unable to install or run
the application. The application requires that assemble
Microsoft.VisualBasic.PowerPacks.VS.Version10.0.0.0 be installed in teh
Global Assembly Cache (GAC) first. Please contact your administrator."

Any ideas? I downloaded and installed PowerPacks V3.0, but still the error.
Is there a program I need to download from Microsoft?

Gary

On Sun, Oct 24, 2010 at 3:55 PM, pa1ap <pa1ap@...> wrote:

>
>
> In case you have not been able to troubleshoot, I have uploaded a windows
> program which could help troublshooting.
>
> http://groups.yahoo.com/group/orion565/files/Serial%20port%20testing.zip
>
> Program allows you to connect to any serial port. If it connects with both
> port and CTS up it will automatically check if a ORION is connected. If so,
> the program will confirm with happy face. If not, the program will allow you
> to test ORION TX (power recycle needed) as well ORION RX. If the cable is
> broken (for example TX wire) you will find out very quickly. Same for RX
> wire and/or CTS wire.
>
> It is not much but it will eliminate any serial port configuration as I
> have included hardcoded values for the serial port variables.
>
> Best regards, Onno pa1ap
>
> --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, gary strong
> <gstrongx@...> wrote:
> >
> > I'm hoping someone on the group can help me.
> >
> > I purchased a used Orion II, and I am unable to update the unit to the
> > latest software. It is currently running 2.039D software. I have the rig
> > connected to the Com 1 port on my Windows 7 machine with the included
> RS232
> > cable. I believe the connections are all fine as Ham Radio Deluxe works
> > fine using this port and operating the Orion II. I reboot my Windows
> machine

> > prior to powering up the Orion II so that everything starts from scratch.
> >
> > I followed the Ten Tec instructions - Turn on radio while pressing User 2
> -
> > I get the appropriate "Flash Update Mode" showing on the Orion II screen.
> I
> > then start up the update software, make sure Com 1 is selected, select
> the
> > 2.044A file, and then the program starts. It says "Using Serial
> Interface"
> > and then nothing appears. After a few seconds I get a "Communication with
> > the radio has failed......." message.
> >
> > I've also tried connecting the cable / radio to Com 2, as well as a USB /
> > RS232 adapter. All get the same error message. Any ideas?
> >
> > Gary
> > KO0Q
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>

[Non-text portions of this message have been removed]

6403. Re: Can't Update Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-27 06:25:36 UTC
From: pa1ap
Topic: 6377 Message: 6403

oops... I am so sorry.... i will compile a new version for you tonight when home.. I might have forgotten to include the reference to this library during compilation of the package.

Normally the distribution will indeed check for additional microsoft packages required and during first install it might prompt for your confirmation that a missing package needs to be downloaded. This should happen automatically (after you confirm), including the download and installation... unless the developer is silly enough not to include the references...

--- In orion565@yahoogroups.com, gary strong <gstrongx@...> wrote:
>
> Omno,
>
> I tried to run the setup program in the zip file you shared to test the
> Orion II communications but I get an error message "Unable to install or run
> the application. The application requires that assemble
> Microsoft.VisualBasic.PowerPacks.VS.Version10.0.0.0 be installed in teh
> Global Assembly Cache (GAC) first. Please contact your administrator."
>
> Any ideas? I downloaded and installed PowerPacks V3.0, but still the error.
> Is there a program I need to download from Microsoft?
>
> Gary
>
> On Sun, Oct 24, 2010 at 3:55 PM, pa1ap <pa1ap@...> wrote:
>
> >
> >
> > In case you have not been able to troubleshoot, I have uploaded a windows
> > program which could help troublshooting.
> >
> > http://groups.yahoo.com/group/orion565/files/Serial%20port%20testing.zip
> >
> > Program allows you to connect to any serial port. If it connects with both
> > port and CTS up it will automatically check if a ORION is connected. If so,
> > the program will confirm with happy face. If not, the program will allow you
> > to test ORION TX (power recycle needed) as well ORION RX. If the cable is
> > broken (for example TX wire) you will find out very quickly. Same for RX
> > wire and/or CTS wire.
> >
> > It is not much but it will eliminate any serial port configuration as I
> > have included hardcoded values for the serial port variables.
> >
> > Best regards, Onno pa1ap
> >

> > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, gary strong
> > <gstrongx@> wrote:
> > >
> > > I'm hoping someone on the group can help me.
> > >
> > > I purchased a used Orion II, and I am unable to update the unit to the
> > > latest software. It is currently running 2.039D software. I have the rig
> > > connected to the Com 1 port on my Windows 7 machine with the included
> > RS232
> > > cable. I believe the connections are all fine as Ham Radio Deluxe works
> > > fine using this port and operating the Orion II. I reboot my Windows
> > machine
> > > prior to powering up the Orion II so that everything starts from scratch.
> > >
> > > I followed the Ten Tec instructions - Turn on radio while pressing User 2
> > -
> > > I get the appropriate "Flash Update Mode" showing on the Orion II screen.
> > I
> > > then start up the update software, make sure Com 1 is selected, select
> > the
> > > 2.044A file, and then the program starts. It says "Using Serial
> > Interface"
> > > and then nothing appears. After a few seconds I get a "Communication with
> > > the radio has failed......." message.
> > >
> > > I've also tried connecting the cable / radio to Com 2, as well as a USB /
> > > RS232 adapter. All get the same error message. Any ideas?
> > >
> > > Gary
> > > KO0Q
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
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> >
> >
>
>
> [Non-text portions of this message have been removed]
>

6404. TT 712 USB Cable no output power?!?!?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-31 10:18:37 UTC
From: vk3kvk
Topic: 6404 Message: 6404

Hello all gentlemen,
just got my 712 USB cable and for some reason I have no output power when I transmit. I can hear a signal on my receiver, put neither the Orion nor the tuner show any output! Has anyone experienced this? Running software 1.373b5, the tuner is MFJ 993b. Thanks for any help!
Greetings from Down Under
Richard VK3KVK / DK3KVK

6405. Re: TT 712 USB Cable no output power?!?!?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-31 15:16:25 UTC
From: ac8ap
Topic: 6404 Message: 6405

Hi Richard,

First, go to your menus screen, select SSB then set your TX Audio source to AUX. I don't operate phone much so this is not a problem for me. You may want to select BOTH so you don't have to make changes when you want to use the mic for a SSB contact.

Next go into your audio devices in the computer settings via control panel or which ever for your OS. Set the mike and speaker default setting to the Ten Tec USB device. Mine shows up as CODEC in the description.

Then depending on which software program you are using, make sure the soundcard settings are going to use the TT USB device.

Hope this helps.

Alan
AC8AP
73

--- In orion565@yahoogroups.com, "vk3kvk" <richard.tschur@...> wrote:
>
> Hello all gentlemen,
> just got my 712 USB cable and for some reason I have no output power when I transmit. I can hear a signal on my receiver, put neither the Orion nor the tuner show any output! Has anyone experienced this? Running software 1.373b5, the tuner is MFJ 993b. Thanks for any help!
> Greetings from Down Under
> Richard VK3KVK / DK3KVK
>

6406. Re: [orion565] Re: TT 712 USB Cable no output power?!?!?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-31 15:29:08 UTC
From: Barry N1EU
Topic: 6404 Message: 6406

Be sure to adjust Aux Input Gain while you're in the SSB Menu.

73, Barry N1EU

On Sun, Oct 31, 2010 at 3:16 PM, ac8ap <AshaferS@...> wrote:

>
>
> First, go to your menus screen, select SSB then set your TX Audio source to
> AUX. I don't operate phone much so this is not a problem for me. You may
> want to select BOTH so you don't have to make changes when you want to use
> the mic for a SSB contact.
>
>

[Non-text portions of this message have been removed]

6407. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-31 16:06:29 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 6407

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Serial port testing.zip
Uploaded by : pa1ap <pa1ap@...>
Description : Windows serial port testing tool for Orion communication troubleshooting. Tool will ensure proper settings on computer as well provide directions on possible issues. It provides 4 step verification. Hope it is of use for someone.

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/Serial%20port%20testing.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

6408. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-31 16:35:34 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 6408

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Serial port testing.zip
Uploaded by : pa1ap <pa1ap@...>
Description : Sorry, but uploaded the old version by mistake. This should be working just fine. Regards, Onno

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/Serial%20port%20testing.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

pa1ap <pa1ap@...>

6409. Re: TT 712 USB Cable no output power?!?!?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-31 16:49:44 UTC
From: ac8ap
Topic: 6404 Message: 6409

Barry,

Where did you set yours? I did not make any adjustments to mine. It is set at 10. I have only been working a little PSK and am very new to this mode.

Alan
AC8AP

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Be sure to adjust Aux Input Gain while you're in the SSB Menu.
>
> 73, Barry N1EU
>
> On Sun, Oct 31, 2010 at 3:16 PM, ac8ap <AshaferS@...> wrote:
>
> >
> >
> > First, go to your menus screen, select SSB then set your TX Audio source to
> > AUX. I don't operate phone much so this is not a problem for me. You may
> > want to select BOTH so you don't have to make changes when you want to use
> > the mic for a SSB contact.
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

6410. Re: [orion565] TT 712 USB Cable no output power?!?!?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-31 20:21:42 UTC
From: Bob McGraw - K4TAX
Topic: 6404 Message: 6410

Is the digital software on the computer set correctly? I use MixW2 and there is a set-up menu for receive and transmit. It uses the Windows mixer to control the levels.

73
Bob, K4TAX

----- Original Message -----
From: vk3kvk
To: orion565@yahoogroups.com
Sent: Sunday, October 31, 2010 5:18 AM
Subject: [orion565] TT 712 USB Cable no output power?!?!?

Hello all gentlemen,
just got my 712 USB cable and for some reason I have no output power when I transmit. I can hear a signal on my receiver, put neither the Orion nor the tuner show any output! Has anyone experienced this? Running software 1.373b5, the tuner is MFJ 993b. Thanks for any help!
Greetings from Down Under
Richard VK3KVK / DK3KVK

[Non-text portions of this message have been removed]

6411. Re: [orion565] Re: TT 712 USB Cable no output power?!?!?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-10-31 22:45:27 UTC
From: Bob McGraw - K4TAX
Topic: 6404 Message: 6411

I do not advise setting the audio to BOTH. This could allow room sounds to be transmitted via the mike in the digital or CW portions of the band and could allow anything on the computer, Windows sounds or other program material, to be transmitted otherwise when not being used for digital modes.

73
Bob, K4TAX

----- Original Message -----
From: ac8ap
To: orion565@yahoogroups.com
Sent: Sunday, October 31, 2010 10:16 AM
Subject: [orion565] Re: TT 712 USB Cable no output power?!?!?

Hi Richard,

First, go to your menus screen, select SSB then set your TX Audio source to AUX. I don't operate phone much so this is not a problem for me. You may want to select BOTH so you don't have to make changes when you want to use the mic for a SSB contact.

Next go into your audio devices in the computer settings via control panel or which ever for your OS. Set the mike and speaker default setting to the Ten Tec USB device. Mine shows up as CODEC in the description.

Then depending on which software program you are using, make sure the soundcard settings are going to use the TT USB device.

Hope this helps.

Alan
AC8AP
73

--- In orion565@yahoogroups.com, "vk3kvk" <richard.tschur@...> wrote:
>
> Hello all gentlemen,
> just got my 712 USB cable and for some reason I have no output power when I transmit. I can hear a signal on my receiver, put neither the Orion nor the tuner show any output! Has anyone experienced this? Running software 1.373b5, the tuner is MFJ 993b. Thanks for any help!
> Greetings from Down Under
> Richard VK3KVK / DK3KVK
>

[Non-text portions of this message have been removed]

6412. Re: TT 712 USB Cable no output power?!?!?

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-01 10:28:52 UTC
From: vk3kvk
Topic: 6404 Message: 6412

Hello Alan, Barry and Bob,
thanks for your reply! It works. My AUX level was at 4 and I turned it up to 100. Works great. Thanks for your help guys, long live Ten Tec!
Best regards from Melbourne
Richard

--- In orion565@yahoogroups.com, "vk3kvk" <richard.tschur@...> wrote:
>
> Hello all gentlemen,
> just got my 712 USB cable and for some reason I have no output power when I transmit. I can hear a signal on my receiver, put neither the Orion nor the tuner show any output! Has anyone experienced this? Running software 1.373b5, the tuner is MFJ 993b. Thanks for any help!
> Greetings from Down Under
> Richard VK3KVK / DK3KVK
>

6413. Orion II will not power on.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-03 22:32:49 UTC
From: alw8oc
Topic: 6413 Message: 6413

Hi folks. I powered up my Orion this afternoon and inadvertantly had the antenna switch set to ground. I made one brief SSB transmission and the rig shut down, sensing the very high SWR. Now it won't power back on. I get a few faint LED's, but no diaplay or audio. Is there an internal fuse or circuit breaker? I'm very surprised that a two second transmission into a high SWR would defeat the protective circuitry in such a high quality transceiver. Ahy thoughts or suggestions would be appreciated. Thanks! W8OC

6414. RE: [orion565] Orion II will not power on.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-03 22:54:15 UTC
From: Duane Calvin
Topic: 6413 Message: 6414

How does your power to the rig (rear connector, inside, on the rig side of the pins) look?

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of alw8oc
Sent: Wednesday, November 03, 2010 5:33 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion II will not power on.

Hi folks. I powered up my Orion this afternoon and inadvertantly had the antenna switch set to ground. I made one brief SSB transmission and the rig shut down, sensing the very high SWR. Now it won't power back on. I get a few faint LED's, but no diaplay or audio. Is there an internal fuse or circuit breaker? I'm very surprised that a two second transmission into a high SWR would defeat the protective circuitry in such a high quality transceiver. Ahy thoughts or suggestions would be appreciated. Thanks!
W8OC

Yahoo! Groups Links

6415. Re: Orion II will not power on.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-03 23:17:51 UTC
From: pa1ap
Topic: 6413 Message: 6415

Did it power up again after a period of cooling down? There seems to be thermal fuse in the finals... I once transmited with poor swr (did not check) and the unit heated up quickly and shut down. It did not came back for the next 10 minutes or so. I figured the protective circuitry did its job well. Best regards, Onno

--- In orion565@yahoogroups.com, "alw8oc" <alw8oc@...> wrote:
>
> Hi folks. I powered up my Orion this afternoon and inadvertantly had the antenna switch set to ground. I made one brief SSB transmission and the rig shut down, sensing the very high SWR. Now it won't power back on. I get a few faint LED's, but no diaplay or audio. Is there an internal fuse or circuit breaker? I'm very surprised that a two second transmission into a high SWR would defeat the protective circuitry in such a high quality transceiver. Ahy thoughts or suggestions would be appreciated. Thanks! W8OC
>

6416. Re: [orion565] Orion II will not power on.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-04 03:13:06 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6413 Message: 6416

Sounds like the A9 board (power distribution) is bad. The two events, board going bad (if that's the problem) and you transmitting into a short have probably have nothing to do with each other.

If I'm right, you might be able to repair it yourself. The small board is located on the bottom of the unit and has two 470uF / 15 volt caps on it. They are probably bad and need to be replaced with 470uF / 50 volt caps.

Good Luck,
Sam
K3SAM

From: alw8oc <alw8oc@...>
To: orion565@yahoogroups.com
Sent: Wed, November 3, 2010 6:32:49 PM
Subject: [orion565] Orion II will not power on.

Hi folks. I powered up my Orion this afternoon and inadvertantly had the antenna switch set to ground. I made one brief SSB transmission and the rig shut down, sensing the very high SWR. Now it won't power back on. I get a few faint LED's, but no diaplay or audio. Is there an internal fuse or circuit breaker? I'm very surprised that a two second transmission into a high SWR would defeat the protective circuitry in such a high quality transceiver. Ahy thoughts or suggestions would be appreciated. Thanks! W8OC

[Non-text portions of this message have been removed]

6417. Re: [orion565] Orion II will not power on.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-04 10:11:15 UTC
From: Bob Dobson
Topic: 6413 Message: 6417

I had the same problem, and the caps fixed it. Cheaper than sending it to TT!

Sent from my Verizon Wireless Phone

6418. Hi

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-04 11:16:22 UTC
From: Mike W2AJI
Topic: 6418 Message: 6418

hello
How is it going?
Just received my 2010 Suzuki RM-Z 450 from this website. www.mgjzs.com much cheaper than others and genuine . if you would like to get one,you can check it out.They have many other items .
have a good day...
Cheers,

[Non-text portions of this message have been removed]

6419. Re: Orion II will not power on.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-04 23:20:22 UTC
From: alw8oc
Topic: 6413 Message: 6419

Thanks to all that provided suggestions. I discovered the problem and it wasn't the rig! It was the Astron switching power supply. Although it was running, and powering back lights in several accessory devices, it was not providing enough juice to fire up the Orion II. I'm not sure what went south, but will did into it over the weekend. Although I feel relieved that the rig is OK, I'm surprised and rather curious about the faulty supply. First time I've ever had a problem with a switching supply failure. Guess I've been lucky! 73 and tnx agn to all. Al

--- In orion565@yahoogroups.com, Bob Dobson <bobdobson@...> wrote:
>
> I had the same problem, and the caps fixed it. Cheaper than sending it to TT!
>
> Sent from my Verizon Wireless Phone
>

6420. Re: [orion565] Re: Orion II will not power on.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-05 00:18:56 UTC
From: Robert Mcgraw
Topic: 6413 Message: 6420

I've never had a failure of the Astron switching supplies. However, that
is one reason I purchase and use the SS-30M version. I have 3 of them.
The "M" is the one that has meters on the front.

73
Bob, K4TAX

> Thanks to all that provided suggestions. I discovered the problem and it
> wasn't the rig! It was the Astron switching power supply. Although it
> was running, and powering back lights in several accessory devices, it
> was not providing enough juice to fire up the Orion II. I'm not sure
> what went south, but will did into it over the weekend. Although I feel
> relieved that the rig is OK, I'm surprised and rather curious about the
> faulty supply. First time I've ever had a problem with a switching
> supply failure. Guess I've been lucky! 73 and tnx agn to all. Al
>
> --- In orion565@yahoogroups.com, Bob Dobson <bobdobson@...> wrote:
>>
>> I had the same problem, and the caps fixed it. Cheaper than sending it
>> to TT!
>>
>> Sent from my Verizon Wireless Phone
>>
>
>
>

6421. Re: [orion565] Re: Orion II will not power on.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-05 01:00:16 UTC
From: Michael W Elliott
Topic: 6413 Message: 6421

I shelved astron switching power supply

it was providing hash on 80/160

it sits in a corner collecting dusk --- use the Astron 38m   - more than enuf power

Michael W. Elliott
"THE INSIDE ADVANTAGE"   -
RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri

--- On Thu, 11/4/10, alw8oc <alw8oc@...> wrote:

From: alw8oc <alw8oc@...>
Subject: [orion565] Re: Orion II will not power on.
To: orion565@yahoogroups.com
Date: Thursday, November 4, 2010, 6:20 PM

Thanks to all that provided suggestions. I discovered the problem and it wasn't the rig! It was the Astron switching power supply. Although it was running, and powering back lights in several accessory devices, it was not providing enough juice to fire up the Orion II. I'm not sure what went south, but will did into it over the weekend. Although I feel relieved that the rig is OK, I'm surprised and rather curious about the faulty supply. First time I've ever had a problem with a switching supply failure. Guess I've been lucky! 73 and tnx agn to all. Al

--- In orion565@yahoogroups.com, Bob Dobson <bobdobson@...> wrote:

>

> I had the same problem, and the caps fixed it. Cheaper than sending it to TT!

>

> Sent from my Verizon Wireless Phone

>

[Non-text portions of this message have been removed]

6422. Re: [orion565] Re: Orion II will not power on.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-05 01:48:19 UTC
From: Bob McGraw - K4TAX
Topic: 6413 Message: 6422

I looked at mine some time ago using the spectrum analyzer. I did both the radiated and conducted EMI tests. No noise from any of mine down to -140 dBm or so. I think that is equal to a minus S-2 in equivalent level if S-0 is -127 dBm.

73
Bob, K4TAX

----- Original Message -----
From: Michael W Elliott
To: orion565@yahoogroups.com
Sent: Thursday, November 04, 2010 8:00 PM
Subject: Re: [orion565] Re: Orion II will not power on.

I shelved astron switching power supply

it was providing hash on 80/160

it sits in a corner collecting dusk --- use the Astron 38m - more than enuf power

Michael W. Elliott
"THE INSIDE ADVANTAGE" -
RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri

--- On Thu, 11/4/10, alw8oc <alw8oc@...> wrote:

From: alw8oc <alw8oc@...>
Subject: [orion565] Re: Orion II will not power on.
To: orion565@yahoogroups.com
Date: Thursday, November 4, 2010, 6:20 PM

Thanks to all that provided suggestions. I discovered the problem and it wasn't the rig! It was the Astron switching power supply. Although it was running, and powering back lights in several accessory devices, it was not providing enough juice to fire up the Orion II. I'm not sure what went south, but will did into it over the weekend. Although I feel relieved that the rig is OK, I'm surprised and rather curious about the faulty supply. First time I've ever had a problem with a switching supply failure. Guess I've been lucky! 73 and tnx agn to all. Al

--- In orion565@yahoogroups.com, Bob Dobson <bobdobson@...> wrote:

>

> I had the same problem, and the caps fixed it. Cheaper than sending it to TT!

>

> Sent from my Verizon Wireless Phone

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6423. TenTec Product Status Update

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-10 20:09:10 UTC
From: John
Topic: 6423 Message: 6423

In order to help keep our customers up to date with what is going on within TenTec, I'm posting the following:

1 - Eagle - We are working on a Software Update for the Eagle, which should be posted to the Internet for download by Thursday of this week. 11-11-2010 (if it isn't up by Thursday, it will be up Monday of next week, never release firmware on a Friday). This software will provide more CAT functions as requested by customers, includes a few items to assist in factory test automation, also includes the audible QSK Delay function, etc.. I am also planning on releasing the official programmers reference manual to support the firmware release version a day or so later.

2 - Orion 565 Firmware Update - Now that the Eagle is maturing to a more stable baseline, I am restarting the efforts on the Orion 565 Firmware Update process. This release is intended to resolve a few known issues, and to get to a baseline that performs best for contesting. This means that some changes may not be exactly as per desire of some casual users, but the main purpose of the Orion and Orion II are to provide the best contesting rigs that TenTec can offer, so that original philosophy will remain in tact for this coming upgrade. Goal is to have the beta group informed of the schedule by the end of next week. Have the set of changes required finalized and a schedule for release committed to by the end of next week. This doesn't mean the update will be ready next week, but a firm schedule will be in tact and I can then share it publicly by then. Target date for the entire update is before the end of the year. I think that it is possible, however it is very aggressive, and may not be met, but that is the goal.
One MAJOR note to make, this will be an update based on V2 firmware, not V1. It may mimic the functionality now seen in the latest Orion II firmware release. But the main goal is stability, removing receiver losses, etc.

3 - High Speed Sweep Board - Yes, it has frozen over...., The High Speed Sweep is back on the development path. We are working with a 3rd party vendor who has committed time and resources to complete this project. When a schedule is made more firm, and we seem to be meeting the early milestones, I may indicate a projected production start date, I may not, will have to see as time progresses how the venture works out. Either way, we are committed to providing this functionality with the best "wow" feature set for a built in sweep that we can provide with the hardware/firmware/DSP/etc that we have in the Orion 2 and OMNI-VII.

4 - Jupiter Update - Providing a resolution to the receiver lockup when turning on AN/NB/NR all at the same time, adding a feature if possible as requested. Projected update timeframe - December 2010

5 - OMNI-VII - There is a request from ESSB operators to provide SB transmit bandwidth up to 6kHz. Currently reviewing with the league, if the HW is capable, etc. Feasibility is being reviewed.

Yes, we are working on several other projects at the same time that may also be finished and made public during the timeframe of the Orion 565 and HSSB projects, but once I commit to a schedule, I will do everything in my power to get it completed on time, with quality, and with the customers desires in hand.

Best Regards,
John Henry
TenTec Engineering

6424. Re: TenTec Product Status Update

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-12 16:54:28 UTC
From: k1fpv
Topic: 6423 Message: 6424

That is great to hear John. Makes me smile as I look at the 5 Ten-Tec transceivers in my shack! ;=)

Bill/K1FPV

--- In orion565@yahoogroups.com, "John" <jshenry1963@...> wrote:
>
> In order to help keep our customers up to date with what is going on
> within TenTec, I'm posting the following:
>
> 1 - Eagle - We are working on a Software Update for the Eagle, which
> should be posted to the Internet for download by Thursday of this
> week. 11-11-2010 (if it isn't up by Thursday, it will be up Monday of
> next week, never release firmware on a Friday). This software will
> provide more CAT functions as requested by customers, includes a few
> items to assist in factory test automation, also includes the audible
> QSK Delay function, etc.. I am also planning on releasing the official
> programmers reference manual to support the firmware release version a
> day or so later.
>
> 2 - Orion 565 Firmware Update - Now that the Eagle is maturing to a
> more stable baseline, I am restarting the efforts on the Orion 565
> Firmware Update process. This release is intended to resolve a few
> known issues, and to get to a baseline that performs best for
> contesting. This means that some changes may not be exactly as per
> desire of some casual users, but the main purpose of the Orion and
> Orion II are to provide the best contesting rigs that TenTec can
> offer, so that original philosophy will remain in tact for this coming
> upgrade. Goal is to have the beta group informed of the schedule by
> the end of next week. Have the set of changes required finalized and a
> schedule for release committed to by the end of next week. This
> doesn't mean the update will be ready next week, but a firm schedule
> will be in tact and I can then share it publicly by then. Target date
> for the entire update is before the end of the year. I think that it
> is possible, however it is very aggressive, and may not be met, but
> that is the goal.
> One MAJOR note to make, this will be an update based on V2 firmware,
> not V1. It may mimic the functionality now seen in the latest Orion II
> firmware release. But the main goal is stability, removing receiver
> losses, etc.
>
> 3 - High Speed Sweep Board - Yes, it has frozen over...., The High
> Speed Sweep is back on the development path. We are working with a 3rd
> party vendor who has committed time and resources to complete this
> project. When a schedule is made more firm, and we seem to be meeting

> the early milestones, I may indicate a projected production start
> date, I may not, will have to see as time progresses how the venture
> works out. Either way, we are committed to providing this
> functionality with the best "wow" feature set for a built in sweep
> that we can provide with the hardware/firmware/DSP/etc that we have in
> the Orion 2 and OMNI-VII.
>
> 4 - Jupiter Update - Providing a resolution to the receiver lockup
> when turning on AN/NB/NR all at the same time, adding a feature if
> possible as requested. Projected update timeframe - December 2010
>
> 5 - OMNI-VII - There is a request from ESSB operators to provide SB
> transmit bandwidth up to 6kHz. Currently reviewing with the league, if
> the HW is capable, etc. Feasibility is being reviewed.
>
> Yes, we are working on several other projects at the same time that
> may also be finished and made public during the timeframe of the Orion
> 565 and HSSB projects, but once I commit to a schedule, I will do
> everything in my power to get it completed on time, with quality, and
> with the customers desires in hand.
>
> Best Regards,
> John Henry
> TenTec Engineering
>

6425. Re: TenTec Product Status Update

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-15 08:29:51 UTC
From: mickhannam
Topic: 6423 Message: 6425

John,

Great news on the Orion 565 Firmware Update, I look forward to the upgrade.

Mick
G1EUZ

--- In orion565@yahoogroups.com, "John" <jshenry1963@...> wrote:
>
> In order to help keep our customers up to date with what is going on
> within TenTec, I'm posting the following:
>
> 1 - Eagle - We are working on a Software Update for the Eagle, which
> should be posted to the Internet for download by Thursday of this
> week. 11-11-2010 (if it isn't up by Thursday, it will be up Monday of
> next week, never release firmware on a Friday). This software will
> provide more CAT functions as requested by customers, includes a few
> items to assist in factory test automation, also includes the audible
> QSK Delay function, etc.. I am also planning on releasing the official
> programmers reference manual to support the firmware release version a
> day or so later.
>
> 2 - Orion 565 Firmware Update - Now that the Eagle is maturing to a
> more stable baseline, I am restarting the efforts on the Orion 565
> Firmware Update process. This release is intended to resolve a few
> known issues, and to get to a baseline that performs best for
> contesting. This means that some changes may not be exactly as per
> desire of some casual users, but the main purpose of the Orion and
> Orion II are to provide the best contesting rigs that TenTec can
> offer, so that original philosophy will remain in tact for this coming
> upgrade. Goal is to have the beta group informed of the schedule by
> the end of next week. Have the set of changes required finalized and a
> schedule for release committed to by the end of next week. This
> doesn't mean the update will be ready next week, but a firm schedule
> will be in tact and I can then share it publicly by then. Target date
> for the entire update is before the end of the year. I think that it
> is possible, however it is very aggressive, and may not be met, but
> that is the goal.
> One MAJOR note to make, this will be an update based on V2 firmware,
> not V1. It may mimic the functionality now seen in the latest Orion II
> firmware release. But the main goal is stability, removing receiver
> losses, etc.
>
> 3 - High Speed Sweep Board - Yes, it has frozen over...., The High
> Speed Sweep is back on the development path. We are working with a 3rd
> party vendor who has committed time and resources to complete this

> project. When a schedule is made more firm, and we seem to be meeting
> the early milestones, I may indicate a projected production start
> date, I may not, will have to see as time progresses how the venture
> works out. Either way, we are committed to providing this
> functionality with the best "wow" feature set for a built in sweep
> that we can provide with the hardware/firmware/DSP/etc that we have in
> the Orion 2 and OMNI-VII.
>
> 4 - Jupiter Update - Providing a resolution to the receiver lockup
> when turning on AN/NB/NR all at the same time, adding a feature if
> possible as requested. Projected update timeframe - December 2010
>
> 5 - OMNI-VII - There is a request from ESSB operators to provide SB
> transmit bandwidth up to 6kHz. Currently reviewing with the league, if
> the HW is capable, etc. Feasibility is being reviewed.
>
> Yes, we are working on several other projects at the same time that
> may also be finished and made public during the timeframe of the Orion
> 565 and HSSB projects, but once I commit to a schedule, I will do
> everything in my power to get it completed on time, with quality, and
> with the customers desires in hand.
>
> Best Regards,
> John Henry
> TenTec Engineering
>

6426. Cannot update Orion ll and factory support was no help at all

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-16 20:08:04 UTC
From: oreradioguy
Topic: 6426 Message: 6426

I tried to update my Orion ll yesterday but kept getting a communications error shortly after invoking the update command. I put the orion in the firmware update mode by pressing user 2 button and powering on. I tried this with two computers as suggested by Ten Tec, one running Windows 7 and the other running XP. I use a USB to RS232 adaptor and it works flawlessly updating my Elecraft K3, my AIM 4170C, and using W4PY remote program that runs the Orion ll perfectly. I seem to remember years ago having a similar problem and being forced to use a computer that had a true RS232 connection. This is not possible for me anymore and as anyone knows, computers these days do not have such outputs, especially laptops. Ten Tec told me maybe my radio was defective perhaps and to have me send it in and thats just not true. They have a problem with their software being used with USB adaptors. When you can control all functions of the radio with one program and the other does not work--duh! Has anyone had similar problems and were you able to solve without using true RS232 port? If I had this problem with Elecraft the problem would have been solved years ago.

6427. Cannot update Orion ll and factory support was no help at all

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-16 20:25:56 UTC
From: oreradioguy
Topic: 6426 Message: 6427

I tried to update my Orion ll yesterday but kept getting a communications error shortly after invoking the update command. I put the orion in the firmware update mode by pressing user 2 button and powering on. I tried this with two computers as suggested by Ten Tec, one running Windows 7 and the other running XP. I use a USB to RS232 adaptor and it works flawlessly updating my Elecraft K3, my AIM 4170C, and using W4PY remote program that runs the Orion ll perfectly. I seem to remember years ago having a similar problem and being forced to use a computer that had a true RS232 connection. This is not possible for me anymore and as anyone knows, computers these days do not have such outputs, especially laptops. Ten Tec told me maybe my radio was defective perhaps and to have me send it in and thats just not true. They have a problem with their software being used with USB adaptors. When you can control all functions of the radio with one program and the other does not work--duh! Has anyone had similar problems and were you able to solve without using true RS232 port? If I had this problem with Elecraft the problem would have been solved years ago.

6428. Re: [orion565] Cannot update Orion ll and factory support was no help at all

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-16 21:31:45 UTC
From: gary strong
Topic: 6426 Message: 6428

I was the one that posted the issue trying to update my Orion II. It ended up being Windows 7. I put an RS232 card in my Windows 7 machine and it still wouldn't update.
When I updated it via an XP computer, everything went fine although it did have an RS232 card that I plugged in to. I believe the program has more to do with the speed of the machine than the operating system. Did you try the programs PA1AP put on the Orion565 yahoo group in the files section? It tests your RS232 connection / USB connection.

Gary
KO0Q

On Tue, Nov 16, 2010 at 2:25 PM, oreradioguy <KD7RJ@...> wrote:

>
>
> I tried to update my Orion ll yesterday but kept getting a communications
> error shortly after invoking the update command. I put the orion in the
> firmware update mode by pressing user 2 button and powering on. I tried this
> with two computers as suggested by Ten Tec, one running Windows 7 and the
> other running XP. I use a USB to RS232 adaptor and it works flawlessly
> updating my Elecraft K3, my AIM 4170C, and using W4PY remote program that
> runs the Orion ll perfectly. I seem to remember years ago having a similar
> problem and being forced to use a computer that had a true RS232 connection.
> This is not possible for me anymore and as anyone knows, computers these
> days do not have such outputs, especially laptops. Ten Tec told me maybe my
> radio was defective perhaps and to have me send it in and thats just not
> true. They have a problem with their software being used with USB adaptors.
> When you can control all functions of the radio with one program and the
> other does not work--duh! Has anyone had similar problems and were you able
> to solve without using true RS232 port? If I had this problem with Elecraft
> the problem would have been solved years ago.
>
>
>

[Non-text portions of this message have been removed]

6429. Re: Cannot update Orion II and factory support was no help at all

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-17 14:52:22 UTC
From: y2kbrad_2000
Topic: 6426 Message: 6429

If I had this problem with Elecraft the problem would have been solved years ago. SUGGESTION - SOUNDS LIKE YOUR "K3" IS THE PERFECT RADIO?? SELL THE ORION, BUY ANOTHER "K3" AND THEN YOU WILL HAVE TWO (2) PERFECT RADIOS - LOL!!! LOL!!! LOL!!!

--- In orion565@yahoogroups.com, "oreradioguy" <KD7RJ@...> wrote:
>
> I tried to update my Orion ll yesterday but kept getting a communications error shortly after invoking the update command. I put the orion in the firmware update mode by pressing user 2 button and powering on. I tried this with two computers as suggested by Ten Tec, one running Windows 7 and the other running XP. I use a USB to RS232 adaptor and it works flawlessly updating my Elecraft K3, my AIM 4170C, and using W4PY remote program that runs the Orion ll perfectly. I seem to remember years ago having a similar problem and being forced to use a computer that had a true RS232 connection. This is not possible for me anymore and as anyone knows, computers these days do not have such outputs, especially laptops. Ten Tec told me maybe my radio was defective perhaps and to have me send it in and thats just not true. They have a problem with their software being used with USB adaptors. When you can control all functions of the radio with one program and the other does not work--duh! Has anyone had similar problems and were you able to solve without using true RS232 port? If I had this problem with Elecraft the problem would have been solved years ago.
>

6430. Re: Cannot update Orion II and factory support was no help at all

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-18 11:15:40 UTC
From: pa1ap
Topic: 6426 Message: 6430

Well, I am using USB based serial dongles from various brands without isues. also the serial port on the motherboards works.

You might want to test the communication using a serial console program and test the connection in this way. Or use the windows program I recently uploaded for testing communications. It should provide a very easy way of validation.

It could be a problem with the serial cable being wired different than expected. It could also be the serial controller on the logic board being burned due to static discharge... Happens when the orion has different ground than your computer...

For the Orion you will need a serial cable with hardware handshake wired correctly. If not present, firmware will not be burned into the unit as far as I know.

Hope this helps, 73 Onno

--- In orion565@yahoogroups.com, "oreradioguy" <KD7RJ@...> wrote:
>
> I tried to update my Orion ll yesterday but kept getting a communications error shortly after invoking the update command. I put the orion in the firmware update mode by pressing user 2 button and powering on. I tried this with two computers as suggested by Ten Tec, one running Windows 7 and the other running XP. I use a USB to RS232 adaptor and it works flawlessly updating my Elecraft K3, my AIM 4170C, and using W4PY remote program that runs the Orion ll perfectly. I seem to remember years ago having a similar problem and being forced to use a computer that had a true RS232 connection. This is not possible for me anymore and as anyone knows, computers these days do not have such outputs, especially laptops. Ten Tec told me maybe my radio was defective perhaps and to have me send it in and thats just not true. They have a problem with their software being used with USB adaptors. When you can control all functions of the radio with one program and the other does not work--duh! Has anyone had similar problems and were you able to solve without using true RS232 port? If I had this problem with Elecraft the problem would have been solved years ago.
>

6431. RE: [orion565] Cannot update Orion ll and factory support was no help at all

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-18 11:28:01 UTC
From: Martin Sole
Topic: 6426 Message: 6431

I had similar flaky comms problems where HRD would control the radio, mostly, but the update software would not, mostly. There was sufficient communications activity to suggest that all was well with the radio yet clearly something was off somewhere.

Whilst I cannot absolutely guarantee it, the problems have not re-occurred since I changed the back up battery. Worth a measure to confirm it is up to spec.

I can only assume that the Ten-Tec software exercise the port differently, in some way. Certainly no difficulty with using USB adaptors, the Orion seems more than happy with 3 wire RS232 and either XON/XOFF or no handshake. Will not work in some cases with Hardware handshaking though.

Regards

Martin, HS0ZED

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of oreradioguy
Sent: 17 November 2010 03:08
To: orion565@yahoogroups.com
Subject: [orion565] Cannot update Orion ll and factory support was no help at all

I tried to update my Orion ll yesterday but kept getting a communications error shortly after invoking the update command. I put the orion in the firmware update mode by pressing user 2 button and powering on. I tried this with two computers as suggested by Ten Tec, one running Windows 7 and the other running XP. I use a USB to RS232 adaptor and it works flawlessly updating my Elecraft K3, my AIM 4170C, and using W4PY remote program that runs the Orion ll perfectly. I seem to remember years ago having a similar problem and being forced to use a computer that had a true RS232 connection. This is not possible for me anymore and as anyone knows, computers these days do not have such outputs, especially laptops. Ten Tec told me maybe my radio was defective perhaps and to have me send it in and thats just not true. They have a problem with their software being used with USB adaptors. When you can control all functions of the radio with one program and the other does not work--duh! Has anyone had similar problems and were you able to solve without using true RS232 port? If I had this problem with Elecraft the problem would have been solved years ago.

[Non-text portions of this message have been removed]

6432. Re: Cannot update Orion ll and factory support was no help at all

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-18 13:07:55 UTC
From: Ron Gould
Topic: 6426 Message: 6432

Well Brad, that may be the best idea because I do not think Ten Tec cares about supporting their customers anymore.
Perhaps if they did it would not take years for firmware releases. I certainly am not the only one who has complained
about their software not working. I loved the comment they made to me over the phone "We don't know much about
computers." Priceless! If someone wants to buy an Orion ll they can contact me off list and I would order a second
K3 in a heartbeat. LOL

73's Ron

[Non-text portions of this message have been removed]

6433. Re: Cannot update Orion ll and factory support was no help at all

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-18 15:00:54 UTC
From: oreradioguy
Topic: 6426 Message: 6433

I tried to use the program you uploaded but get an error about it needing something as reported by a previous person here on the reflector. Something about a Microsoft update to a library, I do not recall exact error message but happens on both of my computers, one running Windows 7 and the other XP. I have three computers all of which are built within the last year or two and none of them have a serial port or a place to put a serial card. Therefore I must use an adaptor. The adaptor is a Keyspan. I can control the Orion ll perfectly using W4PY's Orion program. It sends commands and responds flawlessly. As I stated before this same cable combination works flawlessly when used with Array Solutions Aim 4170C antenna analyzer and to control or download firmware on an Elecraft K3. Since the only thing that does not work is the Ten Tec firmware update and others have reported the same, I think there is something not right in there code even though some users report no problems. I am fairly certain if I had a older computer with a serial port that it would work. I just do not think I should have to go buy a old outdated computer to complete this task. Someone at Ten Tec should really address this issue. I know for a fact if I reported such an issue about an Elecraft product, they would be contacting me and working hard to fix the issue. As a matter of fact they would not let me off the phone until they did solve the problem or would tell me when they would. I am using quality computers and adaptors that other vendors write software for that works using the same hardware. Where is this legendary support or is it just false marketing? Ten Tec claims they monitor this reflector so they should certainly pick up on this thread.

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Well, I am using USB based serial dongles from various brands without isues. also the serial port on the motherboards works.
>
> You might want to test the communication using a serial console program and test the connection in this way. Or use the windows program I recently uploaded for testing communications. It should provide a very easy way of validation.
>
> It could be a problem with the serial cable being wired different than expected. It could also be the serial controller on the logic board being burned due to static discharge... Happens when the orion has different ground than your computer...
>
> For the Orion you will need a serial cable with hardware handshake wired correctly. If not present, firmware will not be burned into the unit as far as I know.
>
> Hope this helps, 73 Onno
>
> --- In orion565@yahoogroups.com, "oreradioguy" <KD7RJ@> wrote:
> >
> > I tried to update my Orion ll yesterday but kept getting a communications error shortly after invoking the update command. I put the orion in the firmware update mode by pressing user 2 button and powering on. I tried this with two computers as suggested by Ten Tec, one running Windows 7 and the other running XP. I use a USB to RS232 adaptor and it works

flawlessly updating my Elecraft K3, my AIM 4170C, and using W4PY remote program that runs the Orion ll perfectly. I seem to remember years ago having a similar problem and being forced to use a computer that had a true RS232 connection. This is not possible for me anymore and as anyone knows, computers these days do not have such outputs, especially laptops. Ten Tec told me maybe my radio was defective perhaps and to have me send it in and thats just not true. They have a problem with their software being used with USB adaptors. When you can control all functions of the radio with one program and the other does not work--duh! Has anyone had similar problems and were you able to solve without using true RS232 port? If I had this problem with Elecraft the problem would have been solved years ago.
> >
>

6434. Re: [orion565] Re: Cannot update Orion II and factory support was no help at all

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-18 15:51:54 UTC
From: gary strong
Topic: 6426 Message: 6434

Onno,
I tried your software as well and it says that it "requires that assembly Microsoft.VisualBasic.PowerPacks.Vs Version 10.0.0.0 be installed in the Global Assembly Cache (GAC) first." This is the same error message I was getting previously when you first uploaded the initial release.

Gary

On Thu, Nov 18, 2010 at 9:00 AM, oreradioguy <kd7rj@...> wrote:

>
>
> I tried to use the program you uploaded but get an error about it needing
> something as reported by a previous person here on the reflector. Something
> about a Microsoft update to a library, I do not recall exact error message
> but happens on both of my computers, one running Windows 7 and the other XP.
> I have three computers all of which are built within the last year or two
> and none of them have a serial port or a place to put a serial card.
> Therefore I must use an adaptor. The adaptor is a Keyspan. I can control the
> Orion II perfectly using W4PY's Orion program. It sends commands and
> responds flawlessly. As I stated before this same cable combination works
> flawlessly when used with Array Solutions Aim 4170C antenna analyzer and to
> control or download firmware on an Elecraft K3. Since the only thing that
> does not work is the Ten Tec firmware update and others have reported the
> same, I think there is something not right in there code even though some
> users report no problems. I am fairly certain if I had a older computer with
> a serial port that it would work. I just do not think I should have to go
> buy a old outdated computer to complete this task. Someone at Ten Tec should
> really address this issue. I know for a fact if I reported such an issue
> about an Elecraft product, they would be contacting me and working hard to
> fix the issue. As a matter of fact they would not let me off the phone until
> they did solve the problem or would tell me when they would. I am using
> quality computers and adaptors that other vendors write software for that
> works using the same hardware. Where is this legendary support or is it just
> false marketing? Ten Tec claims they monitor this reflector so they should
> certainly pick up on this thread.
>
> --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, "pa1ap"
> <pa1ap@...> wrote:
> >
> > Well, I am using USB based serial dongles from various brands without
> isues. also the serial port on the motherboards works.
> >
> > You might want to test the communication using a serial console program

> and test the connection in this way. Or use the windows program I recently
> uploaded for testing communications. It should provide a very easy way of
> validation.
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> > It could be a problem with the serial cable being wired different than
> expected. It could also be the serial controller on the logic board being
> burned due to static discharge... Happens when the orion has different
> ground than your computer...
> >
> > For the Orion you will need a serial cable with hardware handshake wired
> correctly. If not present, firmware will not be burned into the unit as far
> as I know.
> >
> > Hope this helps, 73 Onno
> >
> > --- In orion565@...m <orion565%40yahoogroups.com>,
> "oreradioguy" <KD7RJ@> wrote:
> > >
> > > I tried to update my Orion ll yesterday but kept getting a
> communications error shortly after invoking the update command. I put the
> orion in the firmware update mode by pressing user 2 button and powering on.
> I tried this with two computers as suggested by Ten Tec, one running Windows
> 7 and the other running XP. I use a USB to RS232 adaptor and it works
> flawlessly updating my Elecraft K3, my AIM 4170C, and using W4PY remote
> program that runs the Orion ll perfectly. I seem to remember years ago
> having a similar problem and being forced to use a computer that had a true
> RS232 connection. This is not possible for me anymore and as anyone knows,
> computers these days do not have such outputs, especially laptops. Ten Tec
> told me maybe my radio was defective perhaps and to have me send it in and
> thats just not true. They have a problem with their software being used with
> USB adaptors. When you can control all functions of the radio with one
> program and the other does not work--duh! Has anyone had similar problems
> and were you able to solve without using true RS232 port? If I had this
> problem with Elecraft the problem would have been solved years ago.
> > >
> >
>
>
>

[Non-text portions of this message have been removed]

6435. Re: [orion565] Re: Cannot update Orion II and factory support was no help at all

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-18 15:53:44 UTC
From: gary strong
Topic: 6426 Message: 6435

I'm wondering if the Orion requires hardware handshaking to update? The
Keyspan USB to Serial as well as most other USB to Serial adapters only
supply software handshaking.

Just an idea.

Gary
KO0Q

On Thu, Nov 18, 2010 at 9:00 AM, oreradioguy <kd7rj@...> wrote:

>
>
> I tried to use the program you uploaded but get an error about it needing
> something as reported by a previous person here on the reflector. Something
> about a Microsoft update to a library, I do not recall exact error message
> but happens on both of my computers, one running Windows 7 and the other XP.
> I have three computers all of which are built within the last year or two
> and none of them have a serial port or a place to put a serial card.
> Therefore I must use an adaptor. The adaptor is a Keyspan. I can control the
> Orion II perfectly using W4PY's Orion program. It sends commands and
> responds flawlessly. As I stated before this same cable combination works
> flawlessly when used with Array Solutions Aim 4170C antenna analyzer and to
> control or download firmware on an Elecraft K3. Since the only thing that
> does not work is the Ten Tec firmware update and others have reported the
> same, I think there is something not right in there code even though some
> users report no problems. I am fairly certain if I had a older computer with
> a serial port that it would work. I just do not think I should have to go
> buy a old outdated computer to complete this task. Someone at Ten Tec should
> really address this issue. I know for a fact if I reported such an issue
> about an Elecraft product, they would be contacting me and working hard to
> fix the issue. As a matter of fact they would not let me off the phone until
> they did solve the problem or would tell me when they would. I am using
> quality computers and adaptors that other vendors write software for that
> works using the same hardware. Where is this legendary support or is it just
> false marketing? Ten Tec claims they monitor this reflector so they should
> certainly pick up on this thread.
>
> --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, "pa1ap"
> <pa1ap@...> wrote:
> >
> > Well, I am using USB based serial dongles from various brands without
> isues. also the serial port on the motherboards works.
> >
> > You might want to test the communication using a serial console program

> and test the connection in this way. Or use the windows program I recently
> uploaded for testing communications. It should provide a very easy way of
> validation.
> >
> > It could be a problem with the serial cable being wired different than
> expected. It could also be the serial controller on the logic board being
> burned due to static discharge... Happens when the orion has different
> ground than your computer...
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> > For the Orion you will need a serial cable with hardware handshake wired
> correctly. If not present, firmware will not be burned into the unit as far
> as I know.
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> > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>,
> "oreradioguy" <KD7RJ@> wrote:
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> > > I tried to update my Orion ll yesterday but kept getting a
> communications error shortly after invoking the update command. I put the
> orion in the firmware update mode by pressing user 2 button and powering on.
> I tried this with two computers as suggested by Ten Tec, one running Windows
> 7 and the other running XP. I use a USB to RS232 adaptor and it works
> flawlessly updating my Elecraft K3, my AIM 4170C, and using W4PY remote
> program that runs the Orion ll perfectly. I seem to remember years ago
> having a similar problem and being forced to use a computer that had a true
> RS232 connection. This is not possible for me anymore and as anyone knows,
> computers these days do not have such outputs, especially laptops. Ten Tec
> told me maybe my radio was defective perhaps and to have me send it in and
> thats just not true. They have a problem with their software being used with
> USB adaptors. When you can control all functions of the radio with one
> program and the other does not work--duh! Has anyone had similar problems
> and were you able to solve without using true RS232 port? If I had this
> problem with Elecraft the problem would have been solved years ago.
> > >
> >
>
>
>

[Non-text portions of this message have been removed]

6436. Re: [orion565] Re: Cannot update Orion ll and factory support was no help at all

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-18 17:53:27 UTC
From: udas
Topic: 6426 Message: 6436

> >
> > I tried to update my Orion ll yesterday but kept getting a
> > communications error shortly after invoking the update command. I put
> > the orion in the firmware update mode by pressing user 2 button and
> > powering on. I tried this with two computers as suggested by Ten Tec,
> > one running Windows 7 and the other running XP. I use a USB to RS232
> > adaptor and it works flawlessly updating my Elecraft K3, my AIM 4170C,
> > and using W4PY remote program that runs the Orion ll perfectly. I seem
> > to remember years ago having a similar problem and being forced to use a
> > computer that had a true RS232 connection. This is not possible for me
> > anymore and as anyone knows, computers these days do not have such
> > outputs, especially laptops. Ten Tec told me maybe my radio was
> > defective perhaps and to have me send it in and thats just not true.
> > They have a problem with their software being used with USB adaptors.
> > When you can control all functions of the radio with one program and the
> > other does not work--duh! Has anyone had similar problems and were you
> > able to solve without using true RS232 port? If I had this problem with
> > Elecraft the problem would have been solved years ago.
> >
>

Just the same problem-Orion II is contlolled flawlesly via PCI Serial card,
but the Updating is possible
via true Comport only!
73! de Iva, UA6LJB

6437. Modify RX IN ?? for SDR receiver use

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-18 19:01:36 UTC
From: saukp
Topic: 6437 Message: 6437

Question to group..

i have searched the group past message to see if the following has been done but cant find any messages that seem to cover my question

so my question.
Has anyone modified the Orion RX IN on the back panel to bring out either ANT1 or ANT2....or main receiver antenna input or antenna sub receiver input?

my reason is to be able to hook up an sdr receiver(for exapmple sdr-iq) to same antenna the Orion is using in receive mode. This would allow use of the sdr receiver as panadapter (sort of) but when used with N4PY software can have the sdr track orion main receive freq and can do click on freq control of the sdr to control orion receive freq.

any thoughts out there about this?

thanks

Paul K3SF

6438. RE: [orion565] Re: Cannot update Orion ll and factory support was no help at all

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-18 19:53:50 UTC
From: Duane Calvin
Topic: 6426 Message: 6438

??? Apparently you haven't been listening to the positive chatter on the reflectors since TT brought John Henry back.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Ron Gould
Sent: Thursday, November 18, 2010 7:08 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Cannot update Orion ll and factory support was no help at all

Well Brad, that may be the best idea because I do not think Ten Tec cares about supporting their customers anymore.
Perhaps if they did it would not take years for firmware releases. I certainly am not the only one who has complained
about their software not working. I loved the comment they made to me over the phone "We don't know much about
computers." Priceless! If someone wants to buy an Orion ll they can contact me off list and I would order a second
K3 in a heartbeat. LOL

73's Ron

[Non-text portions of this message have been removed]

Yahoo! Groups Links

6439. Re: Cannot update Orion ll but help is in the works

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-18 22:17:31 UTC
From: oreradioguy
Topic: 6426 Message: 6439

First of all I want to thank many of you for your comments and suggestions regarding the issue I have been having trying to do the firmware update. I believe Ten Tec has taken ownership of this issue now after speaking with members there today and that they will do their vary best to resolve the issue. This is a complicated issue for many reasons I will not go into at this time. I have been assured the problem will be solved and I firmly believe them. I should have more news soon and will give an accurate update so that others with this same type of problem can resolve it too. The Orion ll is therefore not up for sale and I look forward to being a happy customer of Ten Tec again. Thank you all and Ten Tec.

73's KD7RJ

--- In orion565@yahoogroups.com, "Duane Calvin" <ac5aa1@...> wrote:
>
> ??? Apparently you haven't been listening to the positive chatter on the
> reflectors since TT brought John Henry back.
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Ron Gould
> Sent: Thursday, November 18, 2010 7:08 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Cannot update Orion ll and factory support was no
> help at all
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> Well Brad, that may be the best idea because I do not think Ten Tec cares
> about supporting their customers anymore.
> Perhaps if they did it would not take years for firmware releases. I
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> about their software not working. I loved the comment they made to me over
> the phone "We don't know much about
> computers." Priceless! If someone wants to buy an Orion ll they can
> contact me off list and I would order a second
> K3 in a heartbeat. LOL
>
> 73's Ron
>
>
>

>
> [Non-text portions of this message have been removed]
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>
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>
>
> Yahoo! Groups Links
>

6440. Re: Cannot update Orion ll but help is in the works

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-18 22:28:05 UTC
From: oreradioguy
Topic: 6426 Message: 6440

First of all I want to thank many of you for your comments and suggestions regarding the issue I have been having trying to do the firmware update. I believe Ten Tec has taken ownership of this issue now after speaking with members there today and that they will do their vary best to resolve the issue. This is a complicated issue for many reasons I will not go into at this time. I have been assured the problem will be solved and I firmly believe them. I should have more news soon and will give an accurate update so that others with this same type of problem can resolve it too. The Orion ll is therefore not up for sale and I look forward to being a happy customer of Ten Tec again. Thank you all and Ten Tec.

73's KD7RJ

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> ??? Apparently you haven't been listening to the positive chatter on the
> reflectors since TT brought John Henry back.
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> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
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> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Ron Gould
> Sent: Thursday, November 18, 2010 7:08 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Cannot update Orion ll and factory support was no
> help at all
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> Perhaps if they did it would not take years for firmware releases. I
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> the phone "We don't know much about
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> contact me off list and I would order a second
> K3 in a heartbeat. LOL
>
> 73's Ron
>
>
>

>
> [Non-text portions of this message have been removed]
>
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> ------------------------------------
>
>
> Yahoo! Groups Links
>

6441. Re: [orion565] Re: Cannot update Orion II but help is in the works

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-18 23:08:17 UTC
From: Bob McGraw - K4TAX
Topic: 6426 Message: 6441

Again, here's what John Henry had to say to the various reflectors on Nov. 10 of this year.

From my point of view, looks like they have a handle on most of the issues. I am aware of a recent driver update, one of those that is done in the background from Microsoft, that has caused some issues updating certain radios via the USB port. Although, those radios worked well with the prior hardware and other software applications, problems were caused in the update process. Yes, Tentec is aware of this and I'm sure these points will be addressed with the next release of Orion and Orion II firmware.

In the mean time, here's what John had to say.

73
Bob, K4TAX

<snip>
In order to help keep our customers up to date with what is going on within TenTec, I'm posting the following:

1 - Eagle - We are working on a Software Update for the Eagle, which should be posted to the Internet for download by Thursday of this week. 11-11-2010 (if it isn't up by Thursday, it will be up Monday of next week, never release firmware on a Friday). This software will provide more CAT functions as requested by customers, includes a few items to assist in factory test automation, also includes the audible QSK Delay function, etc.. I am also planning on releasing the official programmers reference manual to support the firmware release version a day or so later.

2 - Orion 565 Firmware Update - Now that the Eagle is maturing to a more stable baseline, I am restarting the efforts on the Orion 565 Firmware Update process. This release is intended to resolve a few known issues, and to get to a baseline that performs best for contesting. This means that some changes may not be exactly as per desire of some casual users, but the main purpose of the Orion and Orion II are to provide the best contesting rigs that TenTec can offer, so that original philosophy will remain in tact for this coming upgrade. Goal is to have the beta group informed of the schedule by the end of next week. Have the set of changes required finalized and a schedule for release committed to by the end of next week. This doesn't mean the update will be ready next week, but a firm schedule will be in tact and I can then share it publicly by then. Target date for the entire update is before the end of the year. I think that it is possible, however it is very aggressive, and may not be met, but that is the goal.
One MAJOR note to make, this will be an update based on V2 firmware, not V1. It may mimic the functionality now seen in the latest Orion II

firmware release. But the main goal is stability, removing receiver losses, etc.

3 - High Speed Sweep Board - Yes, it has frozen over...., The High Speed Sweep is back on the development path. We are working with a 3rd party vendor who has committed time and resources to complete this project. When a schedule is made more firm, and we seem to be meeting the early milestones, I may indicate a projected production start date, I may not, will have to see as time progresses how the venture works out. Either way, we are committed to providing this functionality with the best "wow" feature set for a built in sweep that we can provide with the hardware/firmware/DSP/etc that we have in the Orion 2 and OMNI-VII.

4 - Jupiter Update - Providing a resolution to the receiver lockup when turning on AN/NB/NR all at the same time, adding a feature if possible as requested. Projected update timeframe - December 2010

5 - OMNI-VII - There is a request from ESSB operators to provide SB transmit bandwidth up to 6kHz. Currently reviewing with the league, if the HW is capable, etc. Feasibility is being reviewed.

Yes, we are working on several other projects at the same time that may also be finished and made public during the timeframe of the Orion 565 and HSSB projects, but once I commit to a schedule, I will do everything in my power to get it completed on time, with quality, and with the customers desires in hand.

Best Regards,
John Henry
TenTec Engineering

<snip>

----- Original Message -----
From: oreradioguy
To: orion565@yahoogroups.com
Sent: Thursday, November 18, 2010 4:28 PM
Subject: [orion565] Re: Cannot update Orion ll but help is in the works

First of all I want to thank many of you for your comments and suggestions regarding the issue I have been having trying to do the firmware update. I believe Ten Tec has taken ownership of this issue now after speaking with members there today and that they will do their vary best to resolve the issue. This is a complicated issue for many reasons I will not go into at this time. I have been assured the problem will be solved and I firmly believe them. I should have more news soon and will give an accurate update so that others with this same type of problem can resolve it too. The Orion ll is therefore not up for sale and I look forward to being a happy customer of Ten Tec again. Thank you all and Ten Tec.

73's KD7RJ

--- In orion565@yahoogroups.com, "Duane Calvin" <ac5aa1@...> wrote:
>
> ??? Apparently you haven't been listening to the positive chatter on the
> reflectors since TT brought John Henry back.
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Ron Gould
> Sent: Thursday, November 18, 2010 7:08 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Cannot update Orion ll and factory support was no
> help at all
>
> Well Brad, that may be the best idea because I do not think Ten Tec cares
> about supporting their customers anymore.
> Perhaps if they did it would not take years for firmware releases. I
> certainly am not the only one who has complained
> about their software not working. I loved the comment they made to me over
> the phone "We don't know much about
> computers." Priceless! If someone wants to buy an Orion ll they can
> contact me off list and I would order a second
> K3 in a heartbeat. LOL
>
> 73's Ron
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

6442. RE: [orion565] Cannot update Orion ll and factory support was no help at all

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-19 03:22:22 UTC
From: Andrew B. Steen
Topic: 6426 Message: 6442

I have my O II connected to my computer (running XP pro), with a Radio Shack USB/Serial cable. I have never had a problem downloading the firmware. Not sure what the issue is with RS232. That's kind of old news, isn't it?
Andrew K6STN

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of gary strong
Sent: Tuesday, November 16, 2010 1:32 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Cannot update Orion ll and factory support was no help at all

I was the one that posted the issue trying to update my Orion II. It ended up being Windows 7. I put an RS232 card in my Windows 7 machine and it still wouldn't update.
When I updated it via an XP computer, everything went fine although it did have an RS232 card that I plugged in to. I believe the program has more to do with the speed of the machine than the operating system. Did you try the programs PA1AP put on the Orion565 yahoo group in the files section? It tests your RS232 connection / USB connection.

Gary
KO0Q

On Tue, Nov 16, 2010 at 2:25 PM, oreradioguy <KD7RJ@...> wrote:

>
>
> I tried to update my Orion ll yesterday but kept getting a communications
> error shortly after invoking the update command. I put the orion in the
> firmware update mode by pressing user 2 button and powering on. I tried
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> with two computers as suggested by Ten Tec, one running Windows 7 and the
> other running XP. I use a USB to RS232 adaptor and it works flawlessly
> updating my Elecraft K3, my AIM 4170C, and using W4PY remote program that
> runs the Orion ll perfectly. I seem to remember years ago having a similar
> problem and being forced to use a computer that had a true RS232
connection.
> This is not possible for me anymore and as anyone knows, computers these
> days do not have such outputs, especially laptops. Ten Tec told me maybe
my
> radio was defective perhaps and to have me send it in and thats just not
> true. They have a problem with their software being used with USB
adaptors.

> When you can control all functions of the radio with one program and the
> other does not work--duh! Has anyone had similar problems and were you
able
> to solve without using true RS232 port? If I had this problem with
Elecraft
> the problem would have been solved years ago.
>
>
>

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Yahoo! Groups Links

6443. Re: [orion565] Cannot update Orion ll and factory support was no help at all

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-19 05:42:47 UTC
From: Martin
Topic: 6426 Message: 6443

Try to connect your radio to a machine with true COM port. This should
help, the culprit is mostly the USB/Serial cable.

73
Martin, OK1RR

Dne 19.11.2010 04:22, Andrew B. Steen napsal(a):
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>
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> Of gary strong
> Sent: Tuesday, November 16, 2010 1:32 PM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Cannot update Orion ll and factory support was no
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> KO0Q
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> Yahoo! Groups Links
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6444. RE: [orion565] Cannot update Orion II and factory support was no help at all

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-19 06:51:07 UTC
From: Martin Sole
Topic: 6426 Message: 6444

I think the OP's problem is that none of his computers have a real serial port and it is unreasonable to expect to have to provide one for a radio to work correctly. I agree with that and have never had a problem updating my 565 with any USB adaptor and have never used handshaking with the rig and have always explicitly turned off handshaking in the Windows serial port setup dialog. I have only ever had a problem when the rig itself was less than 100%.

I really do not think the software has a problem working with USB adaptors but I do think there is a big problem with not understanding how to configure and setup serial ports and usb convertors that leads to so many problems. In my own case I have always been very careful to ensure that the manufacturers drivers are loaded before plugging the device in and not allowing windows to install its drivers which will likely lead to utter failure. YMMV.

Martin, HS0ZED

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Martin
Sent: 19 November 2010 12:43
To: orion565@yahoogroups.com
Cc: Andrew B. Steen
Subject: Re: [orion565] Cannot update Orion II and factory support was no help at all

Try to connect your radio to a machine with true COM port. This should help, the culprit is mostly the USB/Serial cable.

73
Martin, OK1RR

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> Andrew K6STN
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> Of gary strong
> Sent: Tuesday, November 16, 2010 1:32 PM

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> Subject: Re: [orion565] Cannot update Orion ll and factory support was no
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6445. Re: Cannot update Orion II and factory support was no help at all

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-19 21:27:09 UTC
From: John
Topic: 6426 Message: 6445

Had a customer call TenTec stating that he cannot get his update program to update the 566. He can run N4PY and other programs just fine with his 566 and the other vendor rigs he has. But cannot update his rig using the same cabling/interfaces. He is using a keyspan usb to serial adapter. I have the exact same keyspan usb to serial adapter at TenTec. No matter what he tried, he could communicate with the 566, but not update it.
Windows had made some updates that did expose a problem in one of our rigs, but I had not heard of any complaints with other rigs, but knowing Windows, I assumed that their update may have broken this interface as well.
So, I tried the update program for the 566 with the keyspan usb to serial adapter on several computers at TenTec, and it worked fine on all of them. So, the Windows update theory was not valid.
I had tried it inhouse on a development XP Pro system, a Windows 7 64 bit Dell, an HP Vista 32 bit, and a few other in house.
No issues, HRD connected through the Keyspan, and update.exe for the Orion 566 worked as well.
I tried the same computers using the USB to Serial cable that we sell in house, and the same results, HRD/N4PY worked, and update.exe for the given rig also worked.
Needless to say, I tried the same combinations of Keyspan and the TenTec USB to Serial Cable, on those same computers, but with an OMNI-VII and a Jupiter and an Orion 565. Same results, I could not find an instance that failed.
The customer had stated that he has the issue on an apple macbook pro, however, he had also had the same issue on an older compaq that no longer runs.
So, I had a situation where everything I did here worked fine, and his station still would not update his 566.

I know that we have made several mods to the update.exe program between the latest 566 update and the Eagle update, so, for grins, I just wanted to see if it had the same issue. Well, it didn't. He downloaded the Eagle firmware update, and was able to use the Eagle firmware update.exe to program his 566 with the 566 .ruf file.
He downloaded it, ran it, and had it install the orion II 2.044a successfully into his 566.

So, there is a work around for now that will work.
Download the firmware update on the TenTec website for the Eagle, and run it's update.exe program, right now it is Version 4.12. Then, when you go to "process" "Update firmware", make sure you are pointing to the folder that contains the 566 or the 565 or whatever it is you want to update. Then this should work.

This appears to work now properly on computers that the Orion 565 Version 3.xx and the Orion 566 Version 4.06 failed on.

On my list to do now is to provide a new Orion II firmware update that uses the newest update.exe program, and the same for the Orion V2 firmware, and etc.

Had some requests on USB, which really aren't feasible, and it seems that some may need a bit of education on serial, usb to serial drivers, etc., so...

USB to Serial adapters basically have a driver running on the computer. This driver registers itself with Windows and the driver will now intercept all Opens/Writes/Reads/Setups to this "virtual" UART. The driver tells windows what comm port number to use, so when an application program, such as N4PY does a write to comm8, this command goes to the driver. The driver takes it, converts it to a USB command, the chip in the keyspan dongle takes this command and processes it as if it was a physical uart within the computer. Meaning if it is a comm port setup request to turn on hw handshaking or to go to 57600 baud, etc., it sets up the uart in the dongle. If it is a command to send out a command sequence of characters, then the uart in the dongle sends it out. True, the number of wires in USB is 4, and the number of wires in a UART/RS232 is either 9 or 25, the meaning of those wires is totally different. The 4 USB wires are used for USB communications. To some of you this difference is totally obvious, but I'm iterating this here because I've had requests to simply control the 4 USB lines as if they were serial lines, that cannot be done. Some people have asked for a USB interface to be made for the Orion and Orion II, well, that is what the USB to Serial cable we sell at TenTec does. It converts USB to serial.

--- In orion565@yahoogroups.com, "Martin Sole" <hs0zed@...> wrote:
>
> I think the OP's problem is that none of his computers have a real serial
> port and it is unreasonable to expect to have to provide one for a radio to
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> Martin, HS0ZED
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> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Martin
> Sent: 19 November 2010 12:43
> To: orion565@yahoogroups.com
> Cc: Andrew B. Steen
> Subject: Re: [orion565] Cannot update Orion ll and factory support was no

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> > Yahoo! Groups Links
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> [Non-text portions of this message have been removed]
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6446. Can upgrade firmware now and did with great results

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-19 21:34:05 UTC
From: oreradioguy
Topic: 6446 Message: 6446

The problem with upgrading the firmware here has been solved. My computer, cables, USB adaptor, and the radio are all working perfectly now. None of these proved to be at fault. Yes it is true you can upgrade the firmware with a USB adaptor and the issue was resolved with the help of John Henry of Ten Tec. The problem is complicated and therefore I only wish to thank John for assisting and he was not about to give up--great support! I am going to let John explain here to the group the problem and the solution; stay tuned for his comments as he told me he will post a message about this issue and its resolution here. I am very happy with the new firmware upgrade and I am listening to 20 meters as I write this. The fix is easy as you will see. Thanks to all that made positive suggestions. Please consider this thread as ended except for any praise for John would be well deserved.

6447. Re: [orion565] Re: Cannot update Orion II and factory support was no help at all

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-20 00:34:02 UTC
From: gary strong
Topic: 6426 Message: 6447

John,
thank you for your update but I have another bit of info to share. My update didn't work as well on my Orion II using the usb to serial adapter. I then put an RS232 card in my windows 7 computer and it still didn't work. Lastly I dug up an old XP machine and hooked up the serial cable and all worked fine. I didn't try the USB adapter on the old XP machine.

I'm assuming the new update program fixes this as well, but I just wanted you to know it wasn't just the usb adapter method that didn't work on a Windows 7 machine. My machine by the way runs the new i7 intel processor, so I wondered if speed may have been an issue.

Gary Strong
KO0Q

On Fri, Nov 19, 2010 at 3:27 PM, John <jshenry1963@...> wrote:

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>
> Had a customer call TenTec stating that he cannot get his update program to
> update the 566. He can run N4PY and other programs just fine with his 566
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> should work.
>
> This appears to work now properly on computers that the Orion 565 Version
> 3.xx and the Orion 566 Version 4.06 failed on.
>
> On my list to do now is to provide a new Orion II firmware update that uses
> the newest update.exe program, and the same for the Orion V2 firmware, and
> etc.
>
> Had some requests on USB, which really aren't feasible, and it seems that
> some may need a bit of education on serial, usb to serial drivers, etc.,
> so...
>
> USB to Serial adapters basically have a driver running on the computer.
> This driver registers itself with Windows and the driver will now intercept
> all Opens/Writes/Reads/Setups to this "virtual" UART. The driver tells
> windows what comm port number to use, so when an application program, such
> as N4PY does a write to comm8, this command goes to the driver. The driver
> takes it, converts it to a USB command, the chip in the keyspan dongle takes
> this command and processes it as if it was a physical uart within the
> computer. Meaning if it is a comm port setup request to turn on hw
> handshaking or to go to 57600 baud, etc., it sets up the uart in the dongle.
> If it is a command to send out a command sequence of characters, then the
> uart in the dongle sends it out. True, the number of wires in USB is 4, and
> the number of wires in a UART/RS232 is either 9 or 25, the meaning of those
> wires is totally different. The 4 USB wires are used for USB communications.
> To some of you this difference is totally obvious, but I'm iterating this
> here because I've had requests to simply control the 4 USB lines as if they
> were serial lines, that cannot be done. Some people have asked for a USB
> interface to be made for the Orion and Orion II, well, that is what the USB
> to Serial cable we sell at TenTec does. It converts USB to serial.
>
> --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, "Martin

> Sole" <hs0zed@...> wrote:
> >
> > I think the OP's problem is that none of his computers have a real serial
> > port and it is unreasonable to expect to have to provide one for a radio
> to
> > work correctly. I agree with that and have never had a problem updating
> my
> > 565 with any USB adaptor and have never used handshaking with the rig and
> > have always explicitly turned off handshaking in the Windows serial port
> > setup dialog. I have only ever had a problem when the rig itself was less
> > than 100%.
> >
> >
> >
> > I really do not think the software has a problem working with USB
> adaptors
> > but I do think there is a big problem with not understanding how to
> > configure and setup serial ports and usb convertors that leads to so many
> > problems. In my own case I have always been very careful to ensure that
> the
> > manufacturers drivers are loaded before plugging the device in and not
> > allowing windows to install its drivers which will likely lead to utter
> > failure. YMMV.
> >
> >
> >
> > Martin, HS0ZED
> >
> >
> >
> >
> >
> > From: orion565@yahoogroups.com <orion565%40yahoogroups.com> [mailto:
> orion565@yahoogroups.com <orion565%40yahoogroups.com>] On Behalf
> > Of Martin
> > Sent: 19 November 2010 12:43
> > To: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> > Cc: Andrew B. Steen
> > Subject: Re: [orion565] Cannot update Orion ll and factory support was no
> > help at all
> >
> >
> >
> >
> >
> > Try to connect your radio to a machine with true COM port. This should
> > help, the culprit is mostly the USB/Serial cable.
> >
> > 73
> > Martin, OK1RR

> >
> > Dne 19.11.2010 04:22, Andrew B. Steen napsal(a):
> > > I have my O II connected to my computer (running XP pro), with a Radio
> > Shack
> > > USB/Serial cable. I have never had a problem downloading the firmware.
> Not
> > > sure what the issue is with RS232. That's kind of old news, isn't it?
> > > Andrew K6STN
> > >
> > > -----Original Message-----
> > > From: orion565@yahoogroups.com <orion565%40yahoogroups.com> <mailto:
> orion565%40yahoogroups.com <orion565%2540yahoogroups.com>>
> > [mailto:orion565@yahoogroups.com <orion565%40yahoogroups.com> <mailto:
> orion565%40yahoogroups.com <orion565%2540yahoogroups.com>>] On
> > Behalf
> > > Of gary strong
> > > Sent: Tuesday, November 16, 2010 1:32 PM
> > > To: orion565@yahoogroups.com <orion565%40yahoogroups.com> <mailto:
> orion565%40yahoogroups.com <orion565%2540yahoogroups.com>>
> > > Subject: Re: [orion565] Cannot update Orion ll and factory support was
> no
> > > help at all
> > >
> > > I was the one that posted the issue trying to update my Orion II. It
> ended
> > > up being Windows 7. I put an RS232 card in my Windows 7 machine and it
> > > still wouldn't update.
> > > When I updated it via an XP computer, everything went fine although it
> did
> > > have an RS232 card that I plugged in to. I believe the program has more
> to
> > > do with the speed of the machine than the operating system. Did you try
> > the
> > > programs PA1AP put on the Orion565 yahoo group in the files section? It
> > > tests your RS232 connection / USB connection.
> > >
> > > Gary
> > > KO0Q
> > >
> > > On Tue, Nov 16, 2010 at 2:25 PM, oreradioguy<KD7RJ@...
> > <mailto:KD7RJ%40arrl.net <KD7RJ%2540arrl.net>> > wrote:
> > >
> > >>
> > >>
> > >> I tried to update my Orion ll yesterday but kept getting a
> communications
> > >> error shortly after invoking the update command. I put the orion in
> the
> > >> firmware update mode by pressing user 2 button and powering on. I
> tried

> > > this
> > >> with two computers as suggested by Ten Tec, one running Windows 7 and
> the
> > >> other running XP. I use a USB to RS232 adaptor and it works flawlessly
> > >> updating my Elecraft K3, my AIM 4170C, and using W4PY remote program
> that
> > >> runs the Orion ll perfectly. I seem to remember years ago having a
> > similar
> > >> problem and being forced to use a computer that had a true RS232
> > > connection.
> > >> This is not possible for me anymore and as anyone knows, computers
> these
> > >> days do not have such outputs, especially laptops. Ten Tec told me
> maybe
> > > my
> > >> radio was defective perhaps and to have me send it in and thats just
> not
> > >> true. They have a problem with their software being used with USB
> > > adaptors.
> > >> When you can control all functions of the radio with one program and
> the
> > >> other does not work--duh! Has anyone had similar problems and were you
> > > able
> > >> to solve without using true RS232 port? If I had this problem with
> > > Elecraft
> > >> the problem would have been solved years ago.
> > >>
> > >>
> > >>
> > >
> > >
> > > [Non-text portions of this message have been removed]
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> > >
> > >
> > > ------------------------------------
> > >
> > >
> > > Yahoo! Groups Links
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> >
> > [Non-text portions of this message have been removed]
> >

>
>
>

[Non-text portions of this message have been removed]

6448. Re: [orion565] Cannot update Orion ll and factory support was no help at all

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-20 03:20:35 UTC
From: Bob McGraw - K4TAX
Topic: 6426 Message: 6448

I am aware of an issue, thought to be a recent Microsoft Driver download, that has caused issues with certain USB communications. This is one of those downloads that takes place in the background and the user is likely not aware of the update. Also, it is noted that applications such as OnePlug, N4PY, HRD, and others seem to work just fine with the updated Windows driver. It was first observed when one tried to update the radio that things rapidly went downhill.

Older computers, specifically ones that have not received the update may work just fine. Tentec is fully aware of this matter and I believe have identified the issues. I'm not sure when updates and corrections will be available, but I'm sure they are forthcoming.

Just hold on to your horses and don't spill the beer. There's better days ahead.

73
Bob, K4TAX

----- Original Message -----
From: Martin
To: orion565@yahoogroups.com
Cc: Andrew B. Steen
Sent: Thursday, November 18, 2010 11:42 PM
Subject: Re: [orion565] Cannot update Orion ll and factory support was no help at all

Try to connect your radio to a machine with true COM port. This should
help, the culprit is mostly the USB/Serial cable.

73
Martin, OK1RR

Dne 19.11.2010 04:22, Andrew B. Steen napsal(a):
> I have my O II connected to my computer (running XP pro), with a Radio Shack
> USB/Serial cable. I have never had a problem downloading the firmware. Not
> sure what the issue is with RS232. That's kind of old news, isn't it?
> Andrew K6STN
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of gary strong
> Sent: Tuesday, November 16, 2010 1:32 PM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Cannot update Orion ll and factory support was no
> help at all
>
> I was the one that posted the issue trying to update my Orion II. It ended
> up being Windows 7. I put an RS232 card in my Windows 7 machine and it

> still wouldn't update.
> When I updated it via an XP computer, everything went fine although it did
> have an RS232 card that I plugged in to. I believe the program has more to
> do with the speed of the machine than the operating system. Did you try the
> programs PA1AP put on the Orion565 yahoo group in the files section? It
> tests your RS232 connection / USB connection.
>
> Gary
> KO0Q
>
> On Tue, Nov 16, 2010 at 2:25 PM, oreradioguy<KD7RJ@...> wrote:
>
>>
>>
>> I tried to update my Orion ll yesterday but kept getting a communications
>> error shortly after invoking the update command. I put the orion in the
>> firmware update mode by pressing user 2 button and powering on. I tried
> this
>> with two computers as suggested by Ten Tec, one running Windows 7 and the
>> other running XP. I use a USB to RS232 adaptor and it works flawlessly
>> updating my Elecraft K3, my AIM 4170C, and using W4PY remote program that
>> runs the Orion ll perfectly. I seem to remember years ago having a similar
>> problem and being forced to use a computer that had a true RS232
> connection.
>> This is not possible for me anymore and as anyone knows, computers these
>> days do not have such outputs, especially laptops. Ten Tec told me maybe
> my
>> radio was defective perhaps and to have me send it in and thats just not
>> true. They have a problem with their software being used with USB
> adaptors.
>> When you can control all functions of the radio with one program and the
>> other does not work--duh! Has anyone had similar problems and were you
> able
>> to solve without using true RS232 port? If I had this problem with
> Elecraft
>> the problem would have been solved years ago.
>>
>>
>>
>
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

6449. Re: Cannot update Orion ll and factory support was no help at all

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-20 19:27:36 UTC
From: pa1ap
Topic: 6426 Message: 6449

darn. Well I must have missed that one during the compilation of the package. Unfortunately I am overseas and dont have the source code with me. My appologies for the inconvienence. Will be back after December 1st and will take of that one. 73, onno pa1ap

--- In orion565@yahoogroups.com, gary strong <gstrongx@...> wrote:
>
> Onno,
> I tried your software as well and it says that it "requires that assembly
> Microsoft.VisualBasic.PowerPacks.Vs Version 10.0.0.0 be installed in the
> Global Assembly Cache (GAC) first." This is the same error message I was
> getting previously when you first uploaded the initial release.
>
> Gary
>
> On Thu, Nov 18, 2010 at 9:00 AM, oreradioguy <kd7rj@...> wrote:
>
> >
> >
> > I tried to use the program you uploaded but get an error about it needing
> > something as reported by a previous person here on the reflector. Something
> > about a Microsoft update to a library, I do not recall exact error message
> > but happens on both of my computers, one running Windows 7 and the other XP.
> > I have three computers all of which are built within the last year or two
> > and none of them have a serial port or a place to put a serial card.
> > Therefore I must use an adaptor. The adaptor is a Keyspan. I can control the
> > Orion ll perfectly using W4PY's Orion program. It sends commands and
> > responds flawlessly. As I stated before this same cable combination works
> > flawlessly when used with Array Solutions Aim 4170C antenna analyzer and to
> > control or download firmware on an Elecraft K3. Since the only thing that
> > does not work is the Ten Tec firmware update and others have reported the
> > same, I think there is something not right in there code even though some
> > users report no problems. I am fairly certain if I had a older computer with
> > a serial port that it would work. I just do not think I should have to go
> > buy a old outdated computer to complete this task. Someone at Ten Tec should
> > really address this issue. I know for a fact if I reported such an issue
> > about an Elecraft product, they would be contacting me and working hard to
> > fix the issue. As a matter of fact they would not let me off the phone until
> > they did solve the problem or would tell me when they would. I am using
> > quality computers and adaptors that other vendors write software for that
> > works using the same hardware. Where is this legendary support or is it just
> > false marketing? Ten Tec claims they monitor this reflector so they should
> > certainly pick up on this thread.
> >
> > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, "pa1ap"
> > <pa1ap@> wrote:

> > >
> > > Well, I am using USB based serial dongles from various brands without
> > isues. also the serial port on the motherboards works.
> > >
> > > You might want to test the communication using a serial console program
> > and test the connection in this way. Or use the windows program I recently
> > uploaded for testing communications. It should provide a very easy way of
> > validation.
> > >
> > > It could be a problem with the serial cable being wired different than
> > expected. It could also be the serial controller on the logic board being
> > burned due to static discharge... Happens when the orion has different
> > ground than your computer...
> > >
> > > For the Orion you will need a serial cable with hardware handshake wired
> > correctly. If not present, firmware will not be burned into the unit as far
> > as I know.
> > >
> > > Hope this helps, 73 Onno
> > >
> > > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>,
> > "oreradioguy" <KD7RJ@> wrote:
> > > >
> > > > I tried to update my Orion ll yesterday but kept getting a
> > communications error shortly after invoking the update command. I put the
> > orion in the firmware update mode by pressing user 2 button and powering on.
> > I tried this with two computers as suggested by Ten Tec, one running Windows
> > 7 and the other running XP. I use a USB to RS232 adaptor and it works
> > flawlessly updating my Elecraft K3, my AIM 4170C, and using W4PY remote
> > program that runs the Orion ll perfectly. I seem to remember years ago
> > having a similar problem and being forced to use a computer that had a true
> > RS232 connection. This is not possible for me anymore and as anyone knows,
> > computers these days do not have such outputs, especially laptops. Ten Tec
> > told me maybe my radio was defective perhaps and to have me send it in and
> > thats just not true. They have a problem with their software being used with
> > USB adaptors. When you can control all functions of the radio with one
> > program and the other does not work--duh! Has anyone had similar problems
> > and were you able to solve without using true RS232 port? If I had this
> > problem with Elecraft the problem would have been solved years ago.
> > > >
> > >
> >
> >
> >
> >
> [Non-text portions of this message have been removed]
>

6450. Re: [orion565] Modify RX IN ?? for SDR receiver use

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-21 01:55:44 UTC
From: gary strong
Topic: 6437 Message: 6450

Paul,
have you checked out this website http://www.ve7tk.com/9MHz_IF.pdf I believe this works directly with the N4PY software to control both the pan adapter, Orion, and the receiver. I only have read about this, I haven't performed the mod myself although several other owners have.

Gary
KO0Q

On Thu, Nov 18, 2010 at 1:01 PM, saukp <saukp@...> wrote:

>
>
> Question to group..
>
> i have searched the group past message to see if the following has been
> done but cant find any messages that seem to cover my question
>
> so my question.
> Has anyone modified the Orion RX IN on the back panel to bring out either
> ANT1 or ANT2....or main receiver antenna input or antenna sub receiver
> input?
>
> my reason is to be able to hook up an sdr receiver(for exapmple sdr-iq) to
> same antenna the Orion is using in receive mode. This would allow use of the
> sdr receiver as panadapter (sort of) but when used with N4PY software can
> have the sdr track orion main receive freq and can do click on freq control
> of the sdr to control orion receive freq.
>
> any thoughts out there about this?
>
> thanks
>
> Paul K3SF
>
>
>

[Non-text portions of this message have been removed]

6451. Re: Modify RX IN ?? for SDR receiver use

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-21 15:41:36 UTC
From: ve7tk
Topic: 6437 Message: 6451

Hi Paul:

On my website there's also a document on how to put all the software together as well as a link to a youtube video showing the LP_PAN panadapter and N4PY software in action with the Orion.

73,
Rick
VE7TK

http://www.ve7tk.com

--- In orion565@yahoogroups.com, gary strong <gstrongx@...> wrote:
>
> Paul,
> have you checked out this website http://www.ve7tk.com/9MHz_IF.pdf I believe
> this works directly with the N4PY software to control both the pan adapter,
> Orion, and the receiver. I only have read about this, I haven't performed
> the mod myself although several other owners have.
>
> Gary
> KO0Q
>
> On Thu, Nov 18, 2010 at 1:01 PM, saukp <saukp@...> wrote:
>
> > >
> > >
> > > Question to group..
> > >
> > > i have searched the group past message to see if the following has been
> > > done but cant find any messages that seem to cover my question
> > >
> > > so my question.
> > > Has anyone modified the Orion RX IN on the back panel to bring out either
> > > ANT1 or ANT2....or main receiver antenna input or antenna sub receiver
> > > input?
> > >
> > > my reason is to be able to hook up an sdr receiver(for exapmple sdr-iq) to
> > > same antenna the Orion is using in receive mode. This would allow use of the
> > > sdr receiver as panadapter (sort of) but when used with N4PY software can
> > > have the sdr track orion main receive freq and can do click on freq control
> > > of the sdr to control orion receive freq.
> > >
> > > any thoughts out there about this?
> > >
> > > thanks

> >
> > Paul K3SF
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

6452. Re: Modify RX IN ?? for SDR receiver use

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-21 18:14:52 UTC
From: saukp
Topic: 6437 Message: 6452

hi all

i have received two ways to achieve my goal

1. is the VE7TK IF interface
2. is takeoff point at sub receiver antenna input

both ways will work with N4PY software
using an SDR receiver

thanks to all who responded

Paul
K3SF

--- In orion565@yahoogroups.com, "ve7tk" <ve7tk@...> wrote:
>
> Hi Paul:
>
> On my website there's also a document on how to put all the software together as well as a link to a youtube video showing the LP_PAN panadapter and N4PY software in action with the Orion.
>
> 73,
> Rick
> VE7TK
>
>
> http://www.ve7tk.com
>
>
stuff delete.....

6453. Orion I RIT Fix

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-22 13:37:02 UTC
From: Anthony
Topic: 6281 Message: 6453

Just to update the list:

The conductive grease seems to still be doing it's job. The RIT, and all other encoders/switches are still functioning correctly.

This rig has had days of 18 hours on, many days off, vaying ambient temperatures, etc and there have been no RIT malfunctions.

Since I've seen a flurry of Eagle purchases (well maybe flurry isn't the right word!), maybe a few Orion I's will get circulated and this issue might become more "apparent" to other users.

Those who are interested. the fix is in the file section under
"Orion 1 (565) RIT Fix"

--- In orion565@yahoogroups.com, "Anthony" <adb1x1@...> wrote:
>
> I'm replying to my own post again... Humm..
>
> Anyway, I cleaned up the doc a bit (it was driving me crazy) and copied it to the Files section. I left the previous version in case.
>
> Anthony, K4ZNO
>
> --- In orion565@yahoogroups.com, "Anthony" <adb1x1@> wrote:
> >
> > Since the RIT control on my 'greased' Orion has been trouble free, I completed the doc that 'splains how to do it.
> >
> > I will post it to the files section. Please let me know if I have over or under explained something, or if I went on a spelling tangent somewhere.
> >
> > Anthony, K4ZNO
> >
>

6454. Re: Experiment with BLUE LCD screen

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-23 17:10:52 UTC
From: amos.favorite
Topic: 6365 Message: 6454

Ten Tec Orion 565, Display Fading Very Low Contrast:

I first thought that I would replace the power distribution board, but they were on back order.

The Ten-Tec Orion, Technician told me the -20.5 VDC output should be suspect, since it supports the display's contrast function. I had replaced the filter caps on the 5 VDC circuit on this same board because of a single 470 uf capacitor failure. I changed all three (3) of the filter470 uf, caps on the board because they were the same brand and size as the failed component.
The two (2), capacitors in the -20.5 VDC circuit are (10 uf at 25 vdc) and mounted sided by side. My replacements were from Radio Shack and they are axial leads so the mounting is a little different, (10 uf at 30 VDC).

The display came back to like new contrast so I have not taken on the Blue Screen up grade, I do have the display. The Blue Screen does not require the -20.5 VDC but I normally do not upgrade a unit without the original functionality being restored. If I have to revert to the old design then I still have that option.
On one of the really cold weekends, < 30 F, this winter I will take on the, "Blue Screen Upgrade, might also upgrade the microphone connector to eight (8) pin also.

Should I wait for your controller interface before upgrading to the Blue Screen?

73's - W5SJL

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings,
>
> I am investigating the BLUE lcd screen timing issues which cause poor blue on white and weird refresh issues. My plan is to use a PIC as controller between 565 cpu and LCD logic to clean up the timing and sequencing.
>
> The TT 565 LCD does not include a lcd controller and all timing and logic needs to be provided by the TT 565 embedded cpu. And as we can see, with every firmware release the quality varies up and down. I suspect the cpu does not have resources available at times which results in poor display timing.
>
> The PIC would become a special LCD controller (timed latch / flip flop) and targets to offer optimized timing and sequence towards the LCD regardless of what the TT 565 CPU believes is correct. THis way the LCD will be driven correctly and the quality would become independent of the firmware. This will also improve the original grey/white screen.
>
> Any suggestions and / or experiences are appreciated.
>
> 73, Onno pa1ap

>

6455. Fwd: Update on Orion Firmware/software

Yahoo group: orion565 (2009 — 2013)
Date: 2010-11-30 01:28:33 UTC
From: Eric Rosenberg
Topic: 6455 Message: 6455

The following is from John Henry @ Ten Tec, who has given me permission to pass this along. It is part of an ongoing 'conversation' we've been having regarding ongoing TT support for its various radios.

73,
Eric W3DQ
Washington, DC

-------- Original Message --------
Subject: Re: Update on Orion Firmware/software
Date: Mon, 29 Nov 2010 11:37:45 -0500
From: Henry, John <jhenry@...>
To: Eric Rosenberg <ericrosenberg.dc@...>

Hi Eric,

Sorry for the delay in the response, been very busy both at work and with my father's hospitalization.

I am working on a schedule for the Orion 565 update, and the schedule for the high speed sweep board. They are like puzzles, they change when a new issue is found, or interface is realized, etc. The nature of the SW beast. But as soon as I can make them public, I will. A Jupiter update should occur this year, depends upon how the 565 and HSS go. I doubt an OMNI-VII update will occur for a while (at least not this year, probably part way through next year.)

I'm guessing the 565 update will be out to end customers either around Christmas or worst case part way into January. HSS, well, still negotiating cost/timing/etc. So I can't pass that on yet. But when that happens that will precipitate a 566 update and an OMNI-VII update to handle the new board.

Feel free to pass this information along, and I will formally update the reflectors on the status later this week.

73, John Henry

[Non-text portions of this message have been removed]

6456. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-03 16:14:30 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 6456

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Serial port testing.zip
Uploaded by : pa1ap <pa1ap@...>
Description : Serial port testing, now includes the correct references to MS modules

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/Serial%20port%20testing.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

pa1ap <pa1ap@...>

6457. Re: [orion565] New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-03 22:07:27 UTC
From: gary strong
Topic: 222 Message: 6457

Onno,
WORKS GREAT!!!! This program is excellent for checking the connection.

thank you for all your time putting this together!

Gary
KO0Q

On Fri, Dec 3, 2010 at 10:14 AM, <orion565@yahoogroups.com> wrote:

>
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the orion565
> group.
>
> File : /Serial port testing.zip
> Uploaded by : pa1ap <pa1ap@... <pa1ap%40nextchallenge.net>>
> Description : Serial port testing, now includes the correct references to
> MS modules
>
> You can access this file at the URL:
> http://groups.yahoo.com/group/orion565/files/Serial%20port%20testing.zip
>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> Regards,
>
> pa1ap <pa1ap@... <pa1ap%40nextchallenge.net>>
>
>
>
>

[Non-text portions of this message have been removed]

6458. Re: New file uploaded to orion565 (serial testing)

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-04 12:21:41 UTC
From: pa1ap
Topic: 222 Message: 6458

Thats good news! Happy the effort is of use :-)

Best regards,
Onno

--- In orion565@yahoogroups.com, gary strong <gstrongx@...> wrote:
>
> Onno,
> WORKS GREAT!!!! This program is excellent for checking the connection.
>
> thank you for all your time putting this together!
>
> Gary
> KO0Q
>
> On Fri, Dec 3, 2010 at 10:14 AM, <orion565@yahoogroups.com> wrote:
>
> >
> >
> >
> > Hello,
> >
> > This email message is a notification to let you know that
> > a file has been uploaded to the Files area of the orion565
> > group.
> >
> > File : /Serial port testing.zip
> > Uploaded by : pa1ap <pa1ap@... <pa1ap%40nextchallenge.net>>
> > Description : Serial port testing, now includes the correct references to
> > MS modules
> >
> > You can access this file at the URL:
> > http://groups.yahoo.com/group/orion565/files/Serial%20port%20testing.zip
> >
> > To learn more about file sharing for your group, please visit:
> > http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> > Regards,
> >
> > pa1ap <pa1ap@... <pa1ap%40nextchallenge.net>>
> >
> >
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> >
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>

> [Non-text portions of this message have been removed]
>

6459. Orion serial port testing: explanation

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-04 12:48:37 UTC
From: pa1ap
Topic: 6459 Message: 6459

Within the files section you can find the zip file "serial port testing". Just unzip within a folder and click on the setup icon. Internet access is required since microsoft modules might need to be downloaded. Installation will take a couple of minutes.

Usage;

The program will ensure all serial port settings are adjusted to what Orion needs. Even if in device manager the settings are different, except for Fifo since i could not find a way to change this through the program... I might find it someday.

When the program is started it will scan for available serial ports. With step one (1) you will need to select the correct serial port and click on "connect". When it finds the serial port being up it will run a test sequence to find out if an Orion is connected. If all goes well, Step two (2) will provide you with a status message and suggested next step. Computer status and Orion Status should turn green.

If you like to go a little further you can continue with step three (3) and step four (4).

Step 3 requires a power cycle on the orion while you keep the program running and connected to the orion. During boot sequence of orion, a message will be send by orion to inform the computer Orion is happy. However it does not confirm if the serial port on the orion is receiving something correctly.

Thats within Step 4. Step 4 you can test serial transmit on the computer towards the orion using the "toggle ANT1 to ANt2 button. You should hear / see the orion ant toggle when you push this button. You could also click on 10x and then it will toggle... yes 10 x :-)
You can also test the serial transmit and serial receive by using the "retrieve orion version"... If all goes well, the notification window will show the version of orion... and again you can do 10x.

there is also a slider within step 4 which can be used to test "performance"... by default it takes a 150mS interval for commands to avoid overloading the orion. You can test performance by turning it down to for example 100mS... If you click on 10x "receive orione verion" you should still see nicely TX, RX, TX, RX sequence. If you turn it down to about 80mS you will notice the TX and RX is not alternating anymore. For sure 150mS should give you nice alternation.

If you would go into device management on your computer you can select the serial port and go into advanced mode. This will provide you the option to enable FIFO buffers. I have found with other rigs that turning down the values will allow more reliable firmware loading when using fast computers but I have not found the best settings.

Hope this is of use for others when testing orion serial port.

Best regards, Onno pa1ap

6460. Re: [orion565] Orion serial port testing: explanation

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-04 14:03:08 UTC
From: Michael W Elliott
Topic: 6459 Message: 6460

What is the latest firmware for the Orion II 566

Sent from my iPhone

On Dec 4, 2010, at 6:48, "pa1ap" <pa1ap@...> wrote:

> Within the files section you can find the zip file "serial port testing". Just unzip within a folder and click on the setup icon. Internet access is required since microsoft modules might need to be downloaded. Installation will take a couple of minutes.
>
> Usage;
>
> The program will ensure all serial port settings are adjusted to what Orion needs. Even if in device manager the settings are different, except for Fifo since i could not find a way to change this through the program... I might find it someday.
>
> When the program is started it will scan for available serial ports. With step one (1) you will need to select the correct serial port and click on "connect". When it finds the serial port being up it will run a test sequence to find out if an Orion is connected. If all goes well, Step two (2) will provide you with a status message and suggested next step. Computer status and Orion Status should turn green.
>
> If you like to go a little further you can continue with step three (3) and step four (4).
>
> Step 3 requires a power cycle on the orion while you keep the program running and connected to the orion. During boot sequence of orion, a message will be send by orion to inform the computer Orion is happy. However it does not confirm if the serial port on the orion is receiving something correctly.
>
> Thats within Step 4. Step 4 you can test serial transmit on the computer towards the orion using the "toggle ANT1 to ANt2 button. You should hear / see the orion ant toggle when you push this button. You could also click on 10x and then it will toggle... yes 10 x :-)
> You can also test the serial transmit and serial receive by using the "retrieve orion version"... If all goes well, the notification window will show the version of orion... and again you can do 10x.
>
> there is also a slider within step 4 which can be used to test "performance"... by default it takes a 150mS interval for commands to avoid overloading the orion. You can test performance by turning it down to for example 100mS... If you click on 10x "receive orione verion" you should still see nicely TX, RX, TX, RX sequence. If you turn it down to about 80mS you will notice the TX and RX is not alternating anymore. For sure 150mS should give you nice alternation.
>
> If you would go into device management on your computer you can select the serial port

and go into advanced mode. This will provide you the option to enable FIFO buffers. I have found with other rigs that turning down the values will allow more reliable firmware loading when using fast computers but I have not found the best settings.
>
> Hope this is of use for others when testing orion serial port.
>
> Best regards, Onno pa1ap
>
>

[Non-text portions of this message have been removed]

6461. OMNI VII vs ORION II

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-05 20:44:36 UTC
From: w2msj
Topic: 6461 Message: 6461

Tired of your ORION II and would like to try the OMNI VII? Or would you like to have an OMNI VII to operate remotely? I have a very nice OMNI VII FS or trade for ORION II. Contact me off list if interested. Lynn, W2MSJ (at) ARRL dot net

6462. Original Orion 1.8 filter.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-06 00:45:27 UTC
From: amfone20000
Topic: 6462 Message: 6462

How can I tell what filter are in my Original Orion?
Thanks

6464. Re: [orion565] Original Orion 1.8 filter.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-06 13:39:00 UTC
From: gary strong
Topic: 6462 Message: 6464

On the Orion II if you enable the filter through the menu system and it does not have an actual filter in the radio, you will not receive any signal (or it will be dramatically reduced). Very noticeable when you slowly reduce the band width and hit the spot where the filter was to kick in.

Gary
KO0Q

On Sun, Dec 5, 2010 at 6:45 PM, amfone20000 <amfone20000@...> wrote:

>
>
> How can I tell what filter are in my Original Orion?
> Thanks
>
>
>

[Non-text portions of this message have been removed]

6465. Orion II , Model 566 , For Sale.

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-06 23:06:08 UTC
From: Dock (NMN) Edwards
Topic: 6465 Message: 6465

1..For Sale is a "Ten Tec Model 566 ORION II" Transceiver. It has the 1.8 Roofing Filter installed. The Original Boxes,Operators Manual,13.8 volts DC Power cable and an ACC Cable is included in this sale. The
W2ENY desk microphone comes with the radio for this price.
I'm NOW Asking ONLY $2,750.00 PLUS SHIPPING , This price is FIRM at this time.
Thanks for looking. Pictures can be seen on QRZ.com. Radio is in original box ready for shipping. Or $2,700.00 WITHOUT Microphone. It DOES NOT have the automatic
antenna tuner installed , but DOES HAVE THE 1.8 SSB FILTER. This transceiver looks and works real good in every way. This price is PLUS SHIPPING and INSURANCE. I will check the Actual rate for shipping to your address. Pick-up is
OK also.

Phone:772-834-6648 or n4hyk@...

[Non-text portions of this message have been removed]

6466. odd occurence

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-07 14:45:49 UTC
From: ron story
Topic: 6466 Message: 6466

last nite was on 40 cw no problems. this am got on 40 again and got bad report, raspy cw note??? ck all , tried new pwr supply, no joy. did reset no joy, loaded older software and worked fine, reloaded latest software and ok since then? maybe a glitch in software dont know, anyone else notice this. ron ne0x

[Non-text portions of this message have been removed]

6467. No output on meter

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-07 16:01:34 UTC
From: jskalski
Topic: 6467 Message: 6467

I have an orion that has no output. Actually it will tune and I can pick up a weak signal with another radio. I can also pick up my ssb signal.
the menu is set for TX on and the correct antenna is chosen. I reloaded the firmware in case there was a glich. Same difference. The output meter measures no movement.
I have a matched set of final transistors and I have driver transistors on hand in case.
Any suggestions on an approach?
I figure that I might disconnect the small coax leading to the final box and check the output at that point. Any idea what power level that should be?
Is there anyway to check the alc to see if that is working properly?
The tuner tells me that the swr is 1:1. (My first inclination was to bypass the tuner....but it seems to be working).
Anyone been there done that and can provide some pearls. I have test equipment. scope, freq counter, wattmeter, VTVM.
I just want to avoid wasting time if there are some simple fixes like a notorious bad cable or connector such as people have experienced in other areas.

Jim n2go

6468. TCXO adjustment

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-07 16:06:47 UTC
From: Andrew B. Steen
Topic: 6468 Message: 6468

Good morning.

Has anyone adjusted the TCXO in the Orion II? Mine is off according to WWV and My N4PY Orion software. Any help would be appreciated.

Andrew, K6STN

[Non-text portions of this message have been removed]

6469. Re: TCXO adjustment

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-07 16:30:58 UTC
From: wa4oss
Topic: 6468 Message: 6469

http://www.n6ie.com/TXCO%20Calibration.htm Go here and look at Ron's instructions (with thanks to Ron). I use 20 mhz if I can receive it. Look at it in the am mode to see if the 500 and 600 tones are correct. Go on from there. You can use Spectravue, Spectrum Lab, Visual Analyser or others. Even Easypal. I like Spectrum Lab for this.

Good luck,have fun __ Charles __ WA4OSS

--- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@...> wrote:
>
> Good morning.
>
> Has anyone adjusted the TCXO in the Orion II? Mine is off according to WWV
> and My N4PY Orion software. Any help would be appreciated.
>
> Andrew, K6STN
>
>
>
> [Non-text portions of this message have been removed]
>

6470. Re: [orion565] TCXO adjustment

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-07 16:43:53 UTC
From: N2FQ
Topic: 6468 Message: 6470

Scroll down this page. He has a nice write up.

<http://www.N6IE.com>

Fernando N2FQ/6

On Dec 7, 2010, at 8:06, "Andrew B. Steen" <n2gff@...> wrote:

> Good morning.
>
> Has anyone adjusted the TCXO in the Orion II? Mine is off according to WWV
> and My N4PY Orion software. Any help would be appreciated.
>
> Andrew, K6STN
>
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> [Non-text portions of this message have been removed]
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6471. Re: [orion565] No output on meter

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-07 17:03:42 UTC
From: Barry N1EU
Topic: 6467 Message: 6471

I know this sounds rather obvious, but make sure the keying loop is turned
off.

73, Barry N1EU

On Tue, Dec 7, 2010 at 4:01 PM, jskalski <jskalski@yahoo.com> wrote:

>
>
> I have an orion that has no output. Actually it will tune and I can pick up
> a weak signal with another radio. I can also pick up my ssb signal.
> the menu is set for TX on and the correct antenna is chosen. I reloaded the
> firmware in case there was a glich. Same difference. The output meter
> measures no movement.
> I have a matched set of final transistors and I have driver transistors on
> hand in case.
> Any suggestions on an approach?
> I figure that I might disconnect the small coax leading to the final box
> and check the output at that point. Any idea what power level that should
> be?
> Is there anyway to check the alc to see if that is working properly?
> The tuner tells me that the swr is 1:1. (My first inclination was to bypass
> the tuner....but it seems to be working).
> Anyone been there done that and can provide some pearls. I have test
> equipment. scope, freq counter, wattmeter, VTVM.
> I just want to avoid wasting time if there are some simple fixes like a
> notorious bad cable or connector such as people have experienced in other
> areas.
>
> Jim n2go
>
>
>

[Non-text portions of this message have been removed]

6472. Re: [orion565] No output on meter

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-07 17:18:49 UTC
From: James Skalski
Topic: 6467 Message: 6472

Loop is off. BTW I mentioned that I have an Orion. I didn't say Orion I because there isn't any. Only an Orion and the Orion II.
No such thing as obvious :))
The only thing that is obvious to me is that there is no output:) I am not a sensitive type. I am not an expert by any means. I am just a cheap ham that does all his own service work. Eventually, I will figure it out. Any suggestions are much appreciated.I read somewhere that the finals are virtually indestructible. That sounds like a challenge to me.....:) I worked one day and not the next.
Tnx
Jim n2go
--- On Tue, 12/7/10, Barry N1EU <barry.n1eu@...> wrote:

From: Barry N1EU <barry.n1eu@...>
Subject: Re: [orion565] No output on meter
To: orion565@yahoogroups.com
Date: Tuesday, December 7, 2010, 12:03 PM

I know this sounds rather obvious, but make sure the keying loop is turned

off.

73, Barry N1EU

On Tue, Dec 7, 2010 at 4:01 PM, jskalski <jskalski@...> wrote:

>

>

> I have an orion that has no output. Actually it will tune and I can pick up

> a weak signal with another radio. I can also pick up my ssb signal.

> the menu is set for TX on and the correct antenna is chosen. I reloaded the

> firmware in case there was a glich. Same difference. The output meter

> measures no movement.

> I have a matched set of final transistors and I have driver transistors on

> hand in case.

> Any suggestions on an approach?

> I figure that I might disconnect the small coax leading to the final box

> and check the output at that point. Any idea what power level that should

> be?

> Is there anyway to check the alc to see if that is working properly?

> The tuner tells me that the swr is 1:1. (My first inclination was to bypass

> the tuner....but it seems to be working).

> Anyone been there done that and can provide some pearls. I have test

> equipment. scope, freq counter, wattmeter, VTVM.

> I just want to avoid wasting time if there are some simple fixes like a

> notorious bad cable or connector such as people have experienced in other

> areas.

>

> Jim n2go

>

>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6473. Orion II and WSJT / WSPR

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-07 17:58:27 UTC
From: dl2rdh
Topic: 6473 Message: 6473

Hello!

What are the best RX/TX-setting by the ORION II for WSJT or WSPR ?

Vy 73 de Wolfgang, DL2RDH

6474. Re: No output on meter

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-08 13:06:01 UTC
From: Anthony
Topic: 6467 Message: 6474

Jim,
You may have said, but I just missed it, whether your Orion has an internal tuner.
If it does, even if it is disabled at the moment, you might want to enable it and run through one tune cycle. There is a condition where the bypass relay on the tuner gets "out of sync" so to speak, and the bypass relay is not energized.

--- In orion565@yahoogroups.com, James Skalski <jskalski@...> wrote:
>
> Loop is off.Â BTW I mentioned that I have an Orion. I didn't say Orion I because there isn't any. Only an Orion and the Orion II.
> No such thing as obvious :))
> The only thing that is obvious to me is that there is no output:) Â I am not a sensitive type. I am not an expert by any means. I am just a cheap ham that does all his own service work. Eventually, I will figure it out. Â Any suggestions are much appreciated.I read somewhere that the finals are virtually indestructible. That sounds like a challenge to me.....:) I worked one day and not the next.Â Â Â
> Tnx
> Jim n2go
> --- On Tue, 12/7/10, Barry N1EU <barry.n1eu@...> wrote:
>
> From: Barry N1EU <barry.n1eu@...>
> Subject: Re: [orion565] No output on meter
> To: orion565@yahoogroups.com
> Date: Tuesday, December 7, 2010, 12:03 PM
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>
> I know this sounds rather obvious, but make sure the keying loop is turned
>
> off.
>
>
>
> 73, Barry N1EU
>
>
>
> On Tue, Dec 7, 2010 at 4:01 PM, jskalski <jskalski@...> wrote:
>
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> >
>
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> > I have an orion that has no output. Actually it will tune and I can pick up
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> > a weak signal with another radio. I can also pick up my ssb signal.
>
> > the menu is set for TX on and the correct antenna is chosen. I reloaded the
>
> > firmware in case there was a glich. Same difference. The output meter
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> > measures no movement.
>
> > I have a matched set of final transistors and I have driver transistors on
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> > hand in case.
>
> > Any suggestions on an approach?
>
> > I figure that I might disconnect the small coax leading to the final box
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> > and check the output at that point. Any idea what power level that should
>
> > be?
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> > Is there anyway to check the alc to see if that is working properly?
>
> > The tuner tells me that the swr is 1:1. (My first inclination was to bypass
>
> > the tuner....but it seems to be working).

> > Anyone been there done that and can provide some pearls. I have test
> > equipment. scope, freq counter, wattmeter, VTVM.
> > I just want to avoid wasting time if there are some simple fixes like a
> > notorious bad cable or connector such as people have experienced in other
> > areas.
> >
> > Jim n2go
> >
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> [Non-text portions of this message have been removed]

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> [Non-text portions of this message have been removed]
>

6475. RE: [orion565] Re: TCXO adjustment

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-08 14:33:25 UTC
From: Andrew B. Steen
Topic: 6468 Message: 6475

Thanks Charles, I'll check it out.

73, Andrew, K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of wa4oss
Sent: Tuesday, December 07, 2010 8:31 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: TCXO adjustment

http://www.n6ie.com/TXCO%20Calibration.htm Go here and look at Ron's instructions (with thanks to Ron). I use 20 mhz if I can receive it. Look at it in the am mode to see if the 500 and 600 tones are correct. Go on from there. You can use Spectravue, Spectrum Lab, Visual Analyser or others. Even Easypal. I like Spectrum Lab for this.

Good luck,have fun __ Charles __ WA4OSS

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "Andrew B. Steen" <n2gff@...> wrote:
>
> Good morning.
>
> Has anyone adjusted the TCXO in the Orion II? Mine is off according to WWV
> and My N4PY Orion software. Any help would be appreciated.
>
> Andrew, K6STN
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

6476. best settings for fone and cw

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-08 17:13:44 UTC
From: ron story
Topic: 6476 Message: 6476

are there any list's of recommended settings for the orion 2? ron ne0x

[Non-text portions of this message have been removed]

6477. Inrad 754 (2.8Khz 8 pole) experience / usage

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-09 20:02:45 UTC
From: pa1ap
Topic: 6477 Message: 6477

Greetings,

Investigating main rx filter for SSB usage and visited the Inrad website. Apparently there is a suggestion to replace the 6Khz filter for the 2.8Khz filter. Is there experience on using this filter? Thanks for advice, pa1ap onno

6478. Re: [orion565] Inrad 754 (2.8Khz 8 pole) experience / usage

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-09 20:41:52 UTC
From: Barry N1EU
Topic: 6477 Message: 6478

As far as I recall, the 6Khz filter isn't a plug-in filter so not sure how you would replace it with their 2.8Khz filter. Not sure why you would want to anyway. The 6Khz roofing filter is fine for casual rag chewing at great bandwidths than 2.4Khz.

73, Barry N1EU

On Thu, Dec 9, 2010 at 8:02 PM, pa1ap <pa1ap@...> wrote:

>
>
> Greetings,
>
> Investigating main rx filter for SSB usage and visited the Inrad website.
> Apparently there is a suggestion to replace the 6Khz filter for the 2.8Khz
> filter. Is there experience on using this filter? Thanks for advice, pa1ap
> onno
>
>
>

[Non-text portions of this message have been removed]

6479. Re: No ouput on meter

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-10 17:56:33 UTC
From: jskalski
Topic: 6479 Message: 6479

The process that I used to fix the 565 was:
Checked front panel to see that ANT 1 was selected.
Checked to see that TX was lit and on for VFOA
Menu items TX showed transmit enabled, Tuner enabled, Loops off.
Tested with and without Tuner enabled. Tuner would find a match but no output on meter.
Took off top and bottom covers and checked voltage regulators that were on boards and all were ok. 12v was available for final unit.
There was output at the TX 9mhz board out that fed the PA unit.
There was output at the XTVR output jack when that was enabled.
So at this point I was left with the PA unit and the cabling that supplied it and the antenna relay. The antenna relay I assumed to work because the tuner worked.

I kept the back panel on but unscrewed the heat sink/ PA enclosure and unplugged the coax from driver and output to tuner. I had checked the voltages to the LM358 keyed and unkeyed mic and they seemed to be ok prior to unplugging the cables.

I lifted two legs from one of the 2sc3133 driver transistor and hmmm
There was a short. Tested the other driver in the same fashion and it told me that "no component was found"....open.

That was encouraging. I replaced both 2SC3133 drivers with 2SC1945 transistors. They have the same foot print, pin out and similar gain.
3133 is rated at 14dB and the 1945 is rated at 14.5dB.
I have some 2SC3133's somewhere but can't put my fingers on them at the moment.

When I put the transistors in and replaced the wiring, I turned the radio on and nothing burned up. That is always a good sign :)
I set the radio to 5 Watts and keyed the microphone...success...
The output meter is bouncing around once again when I talk.

Now, I have a question for those that know what they are doing.
There is an associated trimmer pot probably for the bias adjustment.
What should it be set at while the transmitter is idling?
Where is the test point that the voltage is measured?

Hopefully this info is helpful for others in the same situation.
Happy holidays.
Jim n2go

6480. Re: No ouput on meter

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-11 15:58:59 UTC
From: ve7tk
Topic: 6479 Message: 6480

Well done Jim! Great detective work!

73,
Rick
VE7TK

--- In orion565@yahoogroups.com, "jskalski" <jskalski@...> wrote:
>
> The process that I used to fix the 565 was:
> Checked front panel to see that ANT 1 was selected.
> Checked to see that TX was lit and on for VFOA
> Menu items TX showed transmit enabled, Tuner enabled, Loops off.
> Tested with and without Tuner enabled. Tuner would find a match but no output on meter.
> Took off top and bottom covers and checked voltage regulators that were on boards and all were ok. 12v was available for final unit.
> There was output at the TX 9mhz board out that fed the PA unit.
> There was output at the XTVR output jack when that was enabled.
> So at this point I was left with the PA unit and the cabling that supplied it and the antenna relay. The antenna relay I assumed to work because the tuner worked.
>
> I kept the back panel on but unscrewed the heat sink/ PA enclosure and unplugged the coax from driver and output to tuner. I had checked the voltages to the LM358 keyed and unkeyed mic and they seemed to be ok prior to unplugging the cables.
>
> I lifted two legs from one of the 2sc3133 driver transistor and hmmm
> There was a short. Tested the other driver in the same fashion and it told me that "no component was found"....open.
>
> That was encouraging. I replaced both 2SC3133 drivers with 2SC1945 transistors. They have the same foot print, pin out and similar gain.
> 3133 is rated at 14dB and the 1945 is rated at 14.5dB.
> I have some 2SC3133's somewhere but can't put my fingers on them at the moment.
>
> When I put the transistors in and replaced the wiring, I turned the radio on and nothing burned up. That is always a good sign :)
> I set the radio to 5 Watts and keyed the microphone...success...
> The output meter is bouncing around once again when I talk.
>
> Now, I have a question for those that know what they are doing.
> There is an associated trimmer pot probably for the bias adjustment.
> What should it be set at while the transmitter is idling?
> Where is the test point that the voltage is measured?
>
> Hopefully this info is helpful for others in the same situation.
> Happy holidays.

> Jim n2go
>

6481. FIRMWARE V 1.373b5 "DOES ANYBODY HAVE THIS FIRMWARE FOR MY ORION 1"

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-15 01:34:14 UTC
From: petert208
Topic: 6481 Message: 6481

TEN-TEC WEBSITE DOES NOT HAVE IT. ONLY 1.372 WHICH IS NOT WORKING AT THIS TIME. CAN SOMEONE EMAIL IT TO ME.

THANKS PETE KG2J 73'S

6482. Re: [orion565] FIRMWARE V 1.373b5 "DOES ANYBODY HAVE THIS FIRMWARE FOR MY ORION 1"

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-15 02:01:19 UTC
From: Barry N1EU
Topic: 6481 Message: 6482

http://tentecwiki.org/firmware/565v1373b5.zip

On Wed, Dec 15, 2010 at 1:34 AM, petert208 <mtflyer2@...> wrote:

>
>
> TEN-TEC WEBSITE DOES NOT HAVE IT. ONLY 1.372 WHICH IS NOT WORKING AT THIS
> TIME. CAN SOMEONE EMAIL IT TO ME.
>
> THANKS PETE KG2J 73'S
>
>
>

[Non-text portions of this message have been removed]

6483. Re: [orion565] FIRMWARE V 1.373b5 "DOES ANYBODY HAVE THIS FIRMWARE FOR MY ORION 1"

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-15 02:26:05 UTC
From: Timothy Randa
Topic: 6481 Message: 6483

Looking forward to the new update firmware from TT for the 565. Anyone have
a inside word as to when we can expect it??

de Tim K?FL

On Tue, Dec 14, 2010 at 8:01 PM, Barry N1EU <barry.n1eu@...> wrote:

>
>
> http://tentecwiki.org/firmware/565v1373b5.zip
>
> On Wed, Dec 15, 2010 at 1:34 AM, petert208 <mtflyer2@...<mtflyer2%40sbcglobal.net>>
> wrote:
>
> > >
> > >
> > > TEN-TEC WEBSITE DOES NOT HAVE IT. ONLY 1.372 WHICH IS NOT WORKING AT THIS
> > > TIME. CAN SOMEONE EMAIL IT TO ME.
> > >
> > > THANKS PETE KG2J 73'S
> > >
> > >
> > >
>
> [Non-text portions of this message have been removed]
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>

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6484. Original Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-19 22:36:03 UTC
From: amfone20000
Topic: 6484 Message: 6484

I have the Original Orion or Orion as opposed to the Orion II.
I do not have the 1.8 KC filter. I see it is $125.00 from Ten Tec.
I would like to know how this filter improves performance ,I just run SSB mostly with this rig and how easy/difficult is the install?

Thanks Tim
wb8uhz

6485. Status of Orion s/w update from JH

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-22 19:10:51 UTC
From: saukp
Topic: 6485 Message: 6485

..... F Y I .....

this info is from Jupiter group and is dated 21 December 2010
paul k3sf

Updates

Please note that I have just uploaded firmware for the Jupiter. This release resolves the issue where AN and NR and NB turned on all at the same time would lock up the receiver in certain circumstances.

The Orion firmware update is still in process, and has not made it to the beta test team yet.

73, de KI4JPL
John Henry

6486. Orion on AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-23 21:20:46 UTC
From: amfone20000
Topic: 6486 Message: 6486

I want to use the Orion on AM phone. Its capable of 6KC band width. How do I open it up in the menu to do that?

Thanks
Tim

6488. RE: [orion565] Orion on AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-23 21:48:58 UTC
From: art davis
Topic: 6486 Message: 6488

According to p42 of the manual, the AM tx bandwidth is double the SSB setting in the menu. So set the SSB bw to 3000 and you'll get 6000 in the AM mode.

Merry Christmas

To: orion565@yahoogroups.com
From: amfone20000@yahoo.com
Date: Thu, 23 Dec 2010 21:20:46 +0000
Subject: [orion565] Orion on AM

I want to use the Orion on AM phone. Its capable of 6KC band width. How do I open it up in the menu to do that?

Thanks

Tim

[Non-text portions of this message have been removed]

6489. Re: [orion565] Orion on AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-23 21:49:23 UTC
From: Barry N1EU
Topic: 6486 Message: 6489

I assume on AM transmit, the bandwidth will be twice the SSB Menu "TX Filter BW" (2 X 3.9KHzx = 7.8KHz max) but I'm not 100% certain of that.

73, Barry N1EU

On Thu, Dec 23, 2010 at 9:44 PM, <catfishtwo@...> wrote:

>
>
> go to AM and it automatically goes to 6000 bw on rx
> Tom
> N6AJR
>
> In a message dated 12/23/2010 1:20:59 P.M. Pacific Standard Time,
> amfone20000@... <amfone20000%40yahoo.com> writes:
>
> I want to use the Orion on AM phone. Its capable of 6KC band width. How do
> I open it up in the menu to do that?
>
> Thanks
> Tim
>
> ------------------------------------
>
> Yahoo! Groups Links
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6490. Re: [orion565] Orion on AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-23 21:50:06 UTC
From: amfone
Topic: 6486 Message: 6490

Thanks

Yes but what about transmitting? I see you can adjust out to 3900 in the menu, can you open it up to 6kc?

Tim

From: "catfishtwo@..." <catfishtwo@...>
To: orion565@yahoogroups.com
Sent: Thu, December 23, 2010 4:44:22 PM
Subject: Re: [orion565] Orion on AM

go to AM and it automatically goes to 6000 bw on rx
Tom
N6AJR

In a message dated 12/23/2010 1:20:59 P.M. Pacific Standard Time, amfone20000@... writes:

I want to use the Orion on AM phone. Its capable of 6KC band width. How do I open it up in the menu to do that?

Thanks
Tim

Yahoo! Groups Links

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6491. Re: [orion565] Orion on AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-23 21:51:39 UTC
From: amfone
Topic: 6486 Message: 6491

Yes I agree it would seem that way but a friend on the other end(in QSO with him) notes that's not the case looking at his scope..

Tim

From: Barry N1EU <barry.n1eu@...>
To: orion565@yahoogroups.com
Sent: Thu, December 23, 2010 4:49:23 PM
Subject: Re: [orion565] Orion on AM

I assume on AM transmit, the bandwidth will be twice the SSB Menu "TX Filter BW" (2 X 3.9KHzx = 7.8KHz max) but I'm not 100% certain of that.

73, Barry N1EU

On Thu, Dec 23, 2010 at 9:44 PM, <catfishtwo@...> wrote:

>
>
> go to AM and it automatically goes to 6000 bw on rx
> Tom
> N6AJR
>
> In a message dated 12/23/2010 1:20:59 P.M. Pacific Standard Time,
> amfone20000@... <amfone20000%40yahoo.com> writes:
>
> I want to use the Orion on AM phone. Its capable of 6KC band width. How do
> I open it up in the menu to do that?
>
> Thanks
> Tim
>
> ------------------------------------
>
> Yahoo! Groups Links
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6492. Re: [orion565] Orion on AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-23 22:04:26 UTC
From: Barry N1EU
Topic: 6486 Message: 6492

I just did a quick check with a receiver and it looks like Orion AM tx bandwidth is limited to 6Khz (3Khz audio passband).

It's unfortunate, but the ssb tx audio passband is significantly wider than AM.

Barry N1EU

On Thu, Dec 23, 2010 at 9:51 PM, amfone <amfone20000@...> wrote:

>
>
> Yes I agree it would seem that way but a friend on the other end(in QSO
> with
> him) notes that's not the case looking at his scope..
>
> Tim
>
> _____
> From: Barry N1EU <barry.n1eu@... <barry.n1eu%40gmail.com>>
> To: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> Sent: Thu, December 23, 2010 4:49:23 PM
>
> Subject: Re: [orion565] Orion on AM
>
> I assume on AM transmit, the bandwidth will be twice the SSB Menu "TX
> Filter
> BW" (2 X 3.9KHzx = 7.8KHz max) but I'm not 100% certain of that.
>
> 73, Barry N1EU
>
> On Thu, Dec 23, 2010 at 9:44 PM, <catfishtwo@...<catfishtwo%40aol.com>>
> wrote:
>
> >
> >
> > go to AM and it automatically goes to 6000 bw on rx
> > Tom
> > N6AJR
> >
> > In a message dated 12/23/2010 1:20:59 P.M. Pacific Standard Time,
> > amfone20000@yahoo.com <amfone20000%40yahoo.com> <amfone20000%40yahoo.com>
> writes:
> >
> > I want to use the Orion on AM phone. Its capable of 6KC band width. How
> do

> > I open it up in the menu to do that?
> >
> > Thanks
> > Tim
> >
> > ------------------------------------
> >
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6493. Re: [orion565] Orion on AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-23 22:14:21 UTC
From: amfone
Topic: 6486 Message: 6493

Yes but it does not seem to do that on his scope, I'll try it with another friend with a scope.

73 Tim
wb8uhz
Merry Christmas and Happy New Year.

_____
From: Barry N1EU <barry.n1eu@...m>
To: orion565@yahoogroups.com
Sent: Thu, December 23, 2010 5:04:26 PM
Subject: Re: [orion565] Orion on AM

I just did a quick check with a receiver and it looks like Orion AM tx bandwidth is limited to 6Khz (3Khz audio passband).

It's unfortunate, but the ssbtx audio passband is significantly wider than AM.

Barry N1EU

On Thu, Dec 23, 2010 at 9:51 PM, amfone <amfone20000@...> wrote:

>
>
> Yes I agree it would seem that way but a friend on the other end(in QSO
> with
> him) notes that's not the case looking at his scope..
>
> Tim
>
> _____
> From: Barry N1EU <barry.n1eu@... <barry.n1eu%40gmail.com>>
> To: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> Sent: Thu, December 23, 2010 4:49:23 PM
>
> Subject: Re: [orion565] Orion on AM
>
> I assume on AM transmit, the bandwidth will be twice the SSB Menu "TX
> Filter
> BW" (2 X 3.9KHzx = 7.8KHz max) but I'm not 100% certain of that.
>
> 73, Barry N1EU
>
> On Thu, Dec 23, 2010 at 9:44 PM, <catfishtwo@...<catfishtwo%40aol.com>>
> wrote:
>

> >
> >
> > go to AM and it automatically goes to 6000 bw on rx
> > Tom
> > N6AJR
> >
> > In a message dated 12/23/2010 1:20:59 P.M. Pacific Standard Time,
> > amfone20000@... <amfone20000%40yahoo.com> <amfone20000%40yahoo.com>
> writes:
> >
> > I want to use the Orion on AM phone. Its capable of 6KC band width. How
> do
> > I open it up in the menu to do that?
> >
> > Thanks
> > Tim
> >
> > ------------------------------------
> >
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6494. Re: [orion565] Orion on AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-23 22:16:00 UTC
From: Fabio Liberatori
Topic: 6486 Message: 6494

In any case, I always got excellent audio reports on our local AM net
with my O2.
It seems that the radio has a good AM setting by default, as per
factory programming, no needs of the usual heavy tweaking on controls
as found in many others solid-state rigs to obtain a decent AM
transmission.
Moreover, the receiver has very good performances even in AM.

73, Fabio I0LBE

Il giorno 23/dic/10, alle ore 23:04, Barry N1EU ha scritto:

> I just did a quick check with a receiver and it looks like Orion AM tx
> bandwidth is limited to 6Khz (3Khz audio passband).

6495. Re: [orion565] Orion on AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-23 22:19:03 UTC
From: Barry N1EU
Topic: 6486 Message: 6495

It would help if you described what it does or doesn't do on his scope????

On Thu, Dec 23, 2010 at 10:14 PM, amfone <amfone20000@...> wrote:

>
>
> Yes but it does not seem to do that on his scope, I'll try it with another
> friend with a scope.
>

[Non-text portions of this message have been removed]

6496. Re: [orion565] Orion on AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-23 22:38:12 UTC
From: amfone
Topic: 6486 Message: 6496

He was looking at the width of the signal, noting it cuts off just after 3 KC
out at about 4KC..

Tim

From: Barry N1EU <barry.n1eu@...>
To: orion565@yahoogroups.com
Sent: Thu, December 23, 2010 5:19:03 PM
Subject: Re: [orion565] Orion on AM

It would help if you described what it does or doesn't do on his scope????

On Thu, Dec 23, 2010 at 10:14 PM, amfone <amfone20000@...> wrote:

>
>
> Yes but it does not seem to do that on his scope, I'll try it with another
> friend with a scope.
>

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6497. Re: [orion565] Orion on AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-23 22:51:40 UTC
From: amfone
Topic: 6486 Message: 6497

Just had another guy with a Flex 5000 note the Orion is plus or minus 3KC on his scope, which means 6KC

73 Tim

From: amfone <amfone20000@...>
To: orion565@yahoogroups.com
Sent: Thu, December 23, 2010 5:38:12 PM
Subject: Re: [orion565] Orion on AM

He was looking at the width of the signal, noting it cuts off just after 3 KC out at about 4KC..

Tim

From: Barry N1EU <barry.n1eu@...>
To: orion565@yahoogroups.com
Sent: Thu, December 23, 2010 5:19:03 PM
Subject: Re: [orion565] Orion on AM

It would help if you described what it does or doesn't do on his scope????

On Thu, Dec 23, 2010 at 10:14 PM, amfone <amfone20000@...> wrote:

>
>
> Yes but it does not seem to do that on his scope, I'll try it with another
> friend with a scope.
>

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[Non-text portions of this message have been removed]

6498. Re: [orion565] Orion on AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-24 11:37:42 UTC
From: Barry N1EU
Topic: 6486 Message: 6498

On Thu, Dec 23, 2010 at 9:48 PM, art davis <n4uc@...> wrote:

>
> According to p42 of the manual, the AM tx bandwidth is double the SSB
> setting in the menu. So set the SSB bw to 3000 and you'll get 6000 in the AM
> mode.
>
>
If you read all the messages in this thread, we've discovered that the AM tx bandwidth is NOT double the SSB setting if the setting is 3100-3900hz. It's only double up to a setting of 3000hz. The Orion tx audio goes wider in SSB than AM.

Barry N1EU

[Non-text portions of this message have been removed]

6499. RE: [orion565] Orion on AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-25 04:57:57 UTC
From: art davis
Topic: 6486 Message: 6499

I thought the original question was how to get a TX bandwidth of 6 khz. So I replied that a setting of 3000SSB gets you 6000 AM , which was what I found in the manual. If a particular radio is only doing 3000 AM with a setting of 3000SSB, then that's a different problem. Since I don't operate AM and don't own a scope to see what my Orion actually does, I'll sit down and let y'all work it out. Merry Christmas.

To: orion565@yahoogroups.com
From: barry.n1eu@...
Date: Fri, 24 Dec 2010 11:37:42 +0000
Subject: Re: [orion565] Orion on AM

On Thu, Dec 23, 2010 at 9:48 PM, art davis <n4uc@...> wrote:

>

> According to p42 of the manual, the AM tx bandwidth is double the SSB

> setting in the menu. So set the SSB bw to 3000 and you'll get 6000 in the AM

> mode.

>

>

If you read all the messages in this thread, we've discovered that the AM tx

bandwidth is NOT double the SSB setting if the setting is 3100-3900hz. It's

only double up to a setting of 3000hz. The Orion tx audio goes wider in SSB

than AM.

Barry N1EU

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[Non-text portions of this message have been removed]

6500. Audio input level

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-25 17:51:01 UTC
From: HectorP
Topic: 6500 Message: 6500

My question to the group,maybe its very simple the answer but I can't find it.
I am a very happy owner of a TT Orion II and will like to run audio input to the rear AUX/IO connector,radio came with a cable with the DIN conector and four female RCA conectors on the other end,as the manual says,audio input should be conected to the white RCA conector which is pin 1. I just did it BUT the audio input level even its more than 1V from my laptop sound card,when I TX the radio makes only 5W meaning the input level gain is too low,nevertheless when I talk with the mic I see 100W.I set the TX Audio Source on BOTH to let mic audio and auxiliar audio both enter,I thought maybe there would be an audio input level adjustment within the menu but I could not find it.I made a temporarly solution until someone on this group help me out to find the cause of the problem and it was to run the auxiliar audio from the laptop to the mic conector on the front panel together with the mic passing trough an isolation 600 to 600 ohms transformer but that change mi mic gain a little bid which I expected to happen.I want to run the auxiliar audio trough the rear conector.
Any help will be appreciatted,thanks

Hector
AD4C
MERRY XMAS.

6501. Re: [orion565] Orion on AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-25 18:39:26 UTC
From: amfone
Topic: 6486 Message: 6501

My Orion the original has not had any upgrades. Are the upgrades worth it?

I do not have a 1.8 filter in mine. I run mostly SSB will it help?
Thanks Tim

From: amfone20000 <amfone20000@yahoo.com>
To: orion565@yahoogroups.com
Sent: Thu, December 23, 2010 4:20:46 PM
Subject: [orion565] Orion on AM

I want to use the Orion on AM phone. Its capable of 6KC band width. How do I
open it up in the menu to do that?

Thanks
Tim

  My Orion, the ogirinal

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6502. Re: Orion on AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-25 20:30:21 UTC
From: ac8ap
Topic: 6486 Message: 6502

I have all three installed. I use them during contests and close station QRM. I would have to say it depends on the ops radio habits and budget.

Alan

--- In orion565@yahoogroups.com, amfone <amfone20000@...> wrote:
>
> My Orion the original has not had any upgrades. Are the upgrades worth it?
>
> I do not have a 1.8 filter in mine. I run mostly SSB will it help?
> Thanks Tim
>
>
>
>
> _____
> From: amfone20000 <amfone20000@...>
> To: orion565@yahoogroups.com
> Sent: Thu, December 23, 2010 4:20:46 PM
> Subject: [orion565] Orion on AM
>

6503. Re: Audio input level

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-25 23:15:25 UTC
From: ke6jti
Topic: 6500 Message: 6503

--- In orion565@yahoogroups.com, "HectorP" <ad4c2008@...> wrote:
>
> My question to the group,maybe its very simple the answer but I can't find it.
> I am a very happy owner of a TT Orion II and will like to run audio input to the rear AUX/IO connector,radio came with a cable with the DIN conector and four female RCA conectors on the other end,as the manual says,audio input should be conected to the white RCA conector which is pin 1. I just did it BUT the audio input level even its more than 1V from my laptop sound card,when I TX the radio makes only 5W meaning the input level gain is too low,nevertheless when I talk with the mic I see 100W.I set the TX Audio Source on BOTH to let mic audio and auxiliar audio both enter,I thought maybe there would be an audio input level adjustment within the menu but I could not find it.I made a temporarly solution until someone on this group help me out to find the cause of the problem and it was to run the auxiliar audio from the laptop to the mic conector on the front panel together with the mic passing trough an isolation 600 to 600 ohms transformer but that change mi mic gain a little bid which I expected to happen.I want to run the auxiliar audio trough the rear conector.
> Any help will be appreciatted,thanks
>
> Hector
> AD4C
> MERRY XMAS.
>
Hector,

There is an AUX Input Gain setting in the SSB menu. It is the first item in the list. This is the same menu where you select the TX Audio source.

I built an interface box that allows me to switch between a TNC and the computer for digital modes and keying. It also has isolation transformers on the input and output lines. I also have two potentiometers to adjust the input to the radio and the computer. I then leave the Aux input gain set at 100 and adjust the input to the radio with the potentiometer. Then all I have to do is select between the mic or aux input. The main reason I do it this way is because if I use software to do the switching as far as I could find there is no software command to change the Aux input gain, but there is to change the source.

Hope this helps.

73,

Bill

WA6LD

6504. Re: [orion565] Orion on AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-25 23:19:37 UTC
From: amfone
Topic: 6486 Message: 6504

Thanks

Tim

From: art davis <n4uc@...>
To: orion565@yahoogroups.com
Sent: Thu, December 23, 2010 4:48:58 PM
Subject: RE: [orion565] Orion on AM

According to p42 of the manual, the AM tx bandwidth is double the SSB setting in the menu. So set the SSB bw to 3000 and you'll get 6000 in the AM mode.

Merry Christmas

To: orion565@yahoogroups.com
From: amfone20000@...
Date: Thu, 23 Dec 2010 21:20:46 +0000
Subject: [orion565] Orion on AM

I want to use the Orion on AM phone. Its capable of 6KC band width. How do I open it up in the menu to do that?

Thanks

Tim

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

6505. Orion I upgrades and 1.8KC filter

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-25 23:23:13 UTC
From: amfone20000
Topic: 6505 Message: 6505

Hello
I have an original Orion, so I called it the Orion 1. It has not had any of the TT upgrades nor does it have the 1.8 filter.

Will the upgrades add much in terms of performance? What are the upgrades for?

I operate mostly SSB, will the addition of the 1.8 filter add to the receivers performance in a noticeable manner in this mode?

Thanks
Tim

6506. Re: [orion565] Re: Audio input level

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-25 23:30:52 UTC
From: Bob McGraw - K4TAX
Topic: 6500 Message: 6506

The Tentec 712 Soundcard USB interface handles all the chores very nicely. It' is a "plug-n-play" device. Connects direct to the computer USB port and the AUX connector on the radio. Levels are handled by the software in the computer and once set..... forget as it returns the next time one uses the application. No pots, no pads, no transformers, no humm, no problems.

One will have to change the audio source in the radio. Do note, please do not select BOTH as a source, for thus the computer sounds will likely be transmitted when on SSB and SSB noise from the mike will be transmitted when on digital modes.

73
Bob, K4TAX

----- Original Message -----
From: ke6jti
To: orion565@yahoogroups.com
Sent: Saturday, December 25, 2010 5:15 PM
Subject: [orion565] Re: Audio input level

--- In orion565@yahoogroups.com, "HectorP" <ad4c2008@...> wrote:
>
> My question to the group,maybe its very simple the answer but I can't find it.
> I am a very happy owner of a TT Orion II and will like to run audio input to the rear AUX/IO connector,radio came with a cable with the DIN conector and four female RCA conectors on the other end,as the manual says,audio input should be conected to the white RCA conector which is pin 1. I just did it BUT the audio input level even its more than 1V from my laptop sound card,when I TX the radio makes only 5W meaning the input level gain is too low,nevertheless when I talk with the mic I see 100W.I set the TX Audio Source on BOTH to let mic audio and auxiliar audio both enter,I thought maybe there would be an audio input level adjustment within the menu but I could not find it.I made a temporarly solution until someone on this group help me out to find the cause of the problem and it was to run the auxiliar audio from the laptop to the mic conector on the front panel together with the mic passing trough an isolation 600 to 600 ohms transformer but that change mi mic gain a little bid which I expected to happen.I want to run the auxiliar audio trough the rear conector.
> Any help will be appreciatted,thanks
>
> Hector
> AD4C
> MERRY XMAS.
>
Hector,

There is an AUX Input Gain setting in the SSB menu. It is the first item in the list. This is the same menu where you select the TX Audio source.

I built an interface box that allows me to switch between a TNC and the computer for digital modes and keying. It also has isolation transformers on the input and output lines. I also have two potentiometers to adjust the input to the radio and the computer. I then leave the Aux input gain set at 100 and adjust the input to the radio with the potentiometer. Then all I have to do is select between the mic or aux input. The main reason I do it this way is because if I use software to do the switching as far as I could find there is no software command to change the Aux input gain, but there is to change the source.

Hope this helps.

73,

Bill

WA6LD

[Non-text portions of this message have been removed]

6507. Re: [orion565] Audio input level

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-26 00:06:10 UTC
From: Barry N1EU
Topic: 6500 Message: 6507

You should continue to use the isolation xfmr even when connected to aux in
on the rear.

73 & MXmas,
Barry N1eu

On Sat, Dec 25, 2010 at 12:51 PM, HectorP <ad4c2008@...> wrote:

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> it.
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> Hector
> AD4C
> MERRY XMAS.
>
>
>

[Non-text portions of this message have been removed]

6508. Re: [orion565] Re: Audio input level

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-26 00:07:41 UTC
From: Hector Padron
Topic: 6500 Message: 6508

Ok Bob,thanks for your advice,I will check that card at TT website,merry xmas.

Hector
AD4C

"If freedom means something,it is the right to tell others what they don't want to hear"
-George Orwell

--- On Sat, 12/25/10, Bob McGraw - K4TAX <RMcGraw@...> wrote:

From: Bob McGraw - K4TAX <RMcGraw@...>
Subject: Re: [orion565] Re: Audio input level
To: orion565@yahoogroups.com
Date: Saturday, December 25, 2010, 11:30 PM

The Tentec 712 Soundcard USB interface handles all the chores very nicely. It' is a "plug-n-play" device. Connects direct to the computer USB port and the AUX connector on the radio. Levels are handled by the software in the computer and once set..... forget as it returns the next time one uses the application. No pots, no pads, no transformers, no humm, no problems.

One will have to change the audio source in the radio. Do note, please do not select BOTH as a source, for thus the computer sounds will likely be transmitted when on SSB and SSB noise from the mike will be transmitted when on digital modes.

73
Bob, K4TAX

----- Original Message -----
From: ke6jti
To: orion565@yahoogroups.com
Sent: Saturday, December 25, 2010 5:15 PM
Subject: [orion565] Re: Audio input level

--- In orion565@yahoogroups.com, "HectorP" <ad4c2008@...> wrote:
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> Any help will be appreciatted,thanks
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> Hector
> AD4C
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Hector,

There is an AUX Input Gain setting in the SSB menu. It is the first item in the list. This is the same menu where you select the TX Audio source.

I built an interface box that allows me to switch between a TNC and the computer for digital modes and keying. It also has isolation transformers on the input and output lines. I also have two potentiometers to adjust the input to the radio and the computer. I then leave the Aux input gain set at 100 and adjust the input to the radio with the potentiometer. Then all I have to do is select between the mic or aux input. The main reason I do it this way is because if I use software to do the switching as far as I could find there is no software command to change the Aux input gain, but there is to change the source.

Hope this helps.

73,

Bill

WA6LD

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6509. Re: [orion565] Audio input level

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-26 00:10:57 UTC
From: Hector Padron
Topic: 6500 Message: 6509

I have always used for years these called "ground loop isolators" available on radio Shack or Wallmart for less than $15 and its the only way to avoy the hum on TX but my problem is that the audio gain at the accesory conector for line in is too low and there is no menu to increase it.
I was adviced few minutes ago in another email to buy the TT sound card to interface between the I/O conector and the USB port at my computer,if that fix the problem,I buy it.thanks

Hector
AD4C

"If freedom means something,it is the right to tell others what they don't want to hear"
–George Orwell

--- On Sun, 12/26/10, Barry N1EU <barry.n1eu@...> wrote:

From: Barry N1EU <barry.n1eu@...>
Subject: Re: [orion565] Audio input level
To: orion565@yahoogroups.com
Date: Sunday, December 26, 2010, 12:06 AM

You should continue to use the isolation xfmr even when connected to aux in
on the rear.

73 & MXmas,
Barry N1eu

On Sat, Dec 25, 2010 at 12:51 PM, HectorP <ad4c2008@...> wrote:

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> audio from the laptop to the mic conector on the front panel together with
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> auxiliar audio trough the rear conector.
> Any help will be appreciatted,thanks
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> Hector
> AD4C
> MERRY XMAS.
>
>
>

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[Non-text portions of this message have been removed]

6510. Re: [orion565] Audio input level

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-26 01:21:02 UTC
From: Bob McGraw - K4TAX
Topic: 6500 Message: 6510

There are circumstances where isolation transformers are dictated in terms of use. This would be mostly where systems are required to be powered from two different power sources. In other cases, if an isolation transformer corrects a ground loop problem, then the proper solution is to find and correct the ground loop problem. If there is a ground loop, that usually indicates that two systems are not at the same reference potential. In certain cases, this can be potentially a dangerous condition and usually indicates that station grounding is not proper.

If the computer is operated from the same power source as the radio, thus the ground and neutral are the same for both, then there should be no ground loop. If the radio is grounded to one place, such as an outside ground, and the computer to the AC mains ground, this presents a very potentially dangerous condition, whereby a nearby lightning strike will present a difference in potential between the two grounds. Your computer and your radio being connected to these two grounds will find the difference in energy will flow through the radio and through the computer. Failure of one or both is highly likely. Devices such a sold by Radio Shack or Wal-Mart are by no means rated to handle this type of energy.

Find the ground loop cause and source and correct it. One other point, microphone inputs are designed in gain, impedance and headroom for microphone use. I do not suggest connecting anything to a mike input except a mike. Use the AUX input when and where available. If there is a gain issue, find it, figure it out and correct it such that it works properly.

The Orion does have a Aux Gain found in the SSB menu. Be sure to select Audio Source as Aux or Line.

73
Bob, K4TAX

----- Original Message -----
From: Hector Padron
To: orion565@yahoogroups.com
Sent: Saturday, December 25, 2010 6:10 PM
Subject: Re: [orion565] Audio input level

I have always used for years these called "ground loop isolators" available on radio Shack or Wallmart for less than $15 and its the only way to avoy the hum on TX but my problem is that the audio gain at the accesory conector for line in is too low and there is no menu to increase it.
I was adviced few minutes ago in another email to buy the TT sound card to interface between the I/O conector and the USB port at my computer,if that fix the problem,I buy it.thanks

Hector
AD4C

"If freedom means something,it is the right to tell others what they don't want to hear"
–George Orwell

--- On Sun, 12/26/10, Barry N1EU <barry.n1eu@...> wrote:

From: Barry N1EU <barry.n1eu@...>
Subject: Re: [orion565] Audio input level
To: orion565@yahoogroups.com
Date: Sunday, December 26, 2010, 12:06 AM

You should continue to use the isolation xfmr even when connected to aux in
on the rear.

73 & MXmas,
Barry N1eu

On Sat, Dec 25, 2010 at 12:51 PM, HectorP <ad4c2008@...> wrote:

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> MERRY XMAS.
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6511. Re: [orion565] Audio input level

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-26 01:23:09 UTC
From: Bob McGraw - K4TAX
Topic: 6500 Message: 6511

Why?

73
Bob, K4TAX

----- Original Message -----
From: Barry N1EU
To: orion565@yahoogroups.com
Sent: Saturday, December 25, 2010 6:06 PM
Subject: Re: [orion565] Audio input level

You should continue to use the isolation xfmr even when connected to aux in
on the rear.

73 & MXmas,
Barry N1eu

On Sat, Dec 25, 2010 at 12:51 PM, HectorP <ad4c2008@...> wrote:

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6512. Re: [orion565] Re: Audio input level

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-26 01:40:39 UTC
From: Bob McGraw - K4TAX
Topic: 6500 Message: 6512

See page 35 of the manual for transmit audio selections and gain adjustments.

The SSB menu is used for adjustment of SSB transmit options.

Aux Input Gain is used for adjusting audio gain from an accessory device using the line level aux input available on pin 1 of the rear panel AUX I/O connector."
TX Audio Source allows the radio to have audio input through either the front panel mic jack or via the AUX input on pin 1 of the rear panel AUX I/O connector. The available choices are MIC, AUX or BOTH. { I do not suggest selecting both.}

Signal level requirements are: Line-level Input: 6 dBm into 600 ohms for full output

In other words, 1 volt from the computer sound card should be more than adequate to drive the Aux Line input for any mode.

73

Bob, K4TAX

----- Original Message -----
From: Hector Padron
To: orion565@yahoogroups.com
Sent: Saturday, December 25, 2010 6:07 PM
Subject: Re: [orion565] Re: Audio input level

Ok Bob,thanks for your advice,I will check that card at TT website,merry xmas.

Hector
AD4C

"If freedom means something,it is the right to tell others what they don't want to hear"
–George Orwell

--- On Sat, 12/25/10, Bob McGraw - K4TAX <RMcGraw@...> wrote:

From: Bob McGraw - K4TAX <RMcGraw@...>
Subject: Re: [orion565] Re: Audio input level
To: orion565@yahoogroups.com
Date: Saturday, December 25, 2010, 11:30 PM

The Tentec 712 Soundcard USB interface handles all the chores very nicely. It' is a "plug-n-play" device. Connects direct to the computer USB port and the AUX connector on the radio. Levels are handled by the software in the computer and once set..... forget as it returns the next time one uses the application. No pots, no pads, no transformers, no humm, no problems.

One will have to change the audio source in the radio. Do note, please do not select BOTH as a source, for thus the computer sounds will likely be transmitted when on SSB and SSB

noise from the mike will be transmitted when on digital modes.

73
Bob, K4TAX

----- Original Message -----
From: ke6jti
To: orion565@yahoogroups.com
Sent: Saturday, December 25, 2010 5:15 PM
Subject: [orion565] Re: Audio input level

--- In orion565@yahoogroups.com, "HectorP" <ad4c2008@...> wrote:
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Hope this helps.

73,

Bill

WA6LD

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6513. Re: [orion565] Audio input level

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-26 03:13:43 UTC
From: Bob McGraw - K4TAX
Topic: 6500 Message: 6513

Connecting the unbalanced output of a computer or computer soundcard to the unbalanced input of the radio should pose no issue at all. Here's a good discussion on the topic from a noted authority on the subject.

http://www.jensen-transformers.com/an/ts_guide.pdf

Section 5 in particular demonstrates the ideal ground loop condition. Many of our ham installations employ this situation.

73
Bob, K4TAX

----- Original Message -----
From: Barry N1EU
To: orion565@yahoogroups.com
Sent: Saturday, December 25, 2010 6:06 PM
Subject: Re: [orion565] Audio input level

You should continue to use the isolation xfmr even when connected to aux in
on the rear.

73 & MXmas,
Barry N1eu

On Sat, Dec 25, 2010 at 12:51 PM, HectorP <ad4c2008@...> wrote:

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6514. Re: [orion565] Audio input level

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-26 12:45:46 UTC
From: Hector Padron
Topic: 6500 Message: 6514

Interesting article,but in practice,everytime I connect my Dell laptop to ANY radio audio input be at the rear or the front panel,when I input audio from the laptop either an MP3 or a digital signal like SSTV,there will be a significant hum noise unless I use as interface the "ground loop isolator" which is basically a 600 to 600 ohms transfomer in which case the transmited audio will be completeley clean with no hum at all.

Hector
AD4C

"If freedom means something,it is the right to tell others what they don't want to hear"
–George Orwell

--- On Sun, 12/26/10, Bob McGraw - K4TAX <RMcGraw@...> wrote:

From: Bob McGraw - K4TAX <RMcGraw@...>
Subject: Re: [orion565] Audio input level
To: orion565@yahoogroups.com
Date: Sunday, December 26, 2010, 3:13 AM

Connecting the unbalanced output of a computer or computer soundcard to the unbalanced input of the radio should pose no issue at all. Here's a good discussion on the topic from a noted authority on the subject.

http://www.jensen-transformers.com/an/ts_guide.pdf

Section 5 in particular demonstrates the ideal ground loop condition. Many of our ham installations employ this situation.

73
Bob, K4TAX

----- Original Message -----
From: Barry N1EU
To: orion565@yahoogroups.com
Sent: Saturday, December 25, 2010 6:06 PM
Subject: Re: [orion565] Audio input level

You should continue to use the isolation xfmr even when connected to aux in
on the rear.

73 & MXmas,
Barry N1eu

On Sat, Dec 25, 2010 at 12:51 PM, HectorP <ad4c2008@...> wrote:

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[Non-text portions of this message have been removed]

6515. Re: [orion565] Re: Orion on AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-26 15:30:18 UTC
From: amfone
Topic: 6486 Message: 6515

Thanks

Tim

From: ac8ap <AshaferS@neo.rr.com>
To: orion565@yahoogroups.com
Sent: Sat, December 25, 2010 3:30:21 PM
Subject: [orion565] Re: Orion on AM

I have all three installed. I use them during contests and close station QRM.
I would have to say it depends on the ops radio habits and budget.

Alan

--- In orion565@yahoogroups.com, amfone <amfone20000@...> wrote:
>
> My Orion the original has not had any upgrades. Are the upgrades worth it?
>
> I do not have a 1.8 filter in mine. I run mostly SSB will it help?
> Thanks Tim
>
>
>
>
> ---
> From: amfone20000 <amfone20000@...>
> To: orion565@yahoogroups.com
> Sent: Thu, December 23, 2010 4:20:46 PM
> Subject: [orion565] Orion on AM
>

[Non-text portions of this message have been removed]

6516. Re: [orion565] Re: Orion on AM

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-26 16:25:32 UTC
From: Hector Padron
Topic: 6486 Message: 6516

I can't tell much about FW upgrades because my O2 is using one from 2006 although it works great with that one but about the 1.8Khz roofer my opinion is that its a must,without it is hard to reject the QRM from stations at only 2 Khz of your freq,you must install that one.

Hector
AD4C

"If freedom means something,it is the right to tell others what they don't want to hear"
–George Orwell

--- On Sat, 12/25/10, ac8ap <AshaferS@neo.rr.com> wrote:

From: ac8ap <AshaferS@...>
Subject: [orion565] Re: Orion on AM
To: orion565@yahoogroups.com
Date: Saturday, December 25, 2010, 8:30 PM

I have all three installed. I use them during contests and close station QRM. I would have to say it depends on the ops radio habits and budget.

Alan

--- In orion565@yahoogroups.com, amfone <amfone20000@...> wrote:
>
> My Orion the original has not had any upgrades. Are the upgrades worth it?
>
> I do not have a 1.8 filter in mine. I run mostly SSB will it help?
> Thanks Tim
>
>
>
>
> _____
> From: amfone20000 <amfone20000@...>
> To: orion565@yahoogroups.com
> Sent: Thu, December 23, 2010 4:20:46 PM
> Subject: [orion565] Orion on AM
>

[Non-text portions of this message have been removed]

6517. Re: [orion565] upgrades and 1. 8 filter (Needed) ??

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-26 17:52:12 UTC
From: amfone
Topic: 6486 Message: 6517

Thanks Hector

I should see if someone has a 1.8 filter for the Orion for sale.

73

Tim
WB8UHZ

From: Hector Padron <ad4c2008@...>
To: orion565@yahoogroups.com
Sent: Sun, December 26, 2010 11:25:32 AM
Subject: Re: [orion565] Re: Orion on AM

I can't tell much about FW upgrades because my O2 is using one from 2006
although it works great with that one but about the 1.8Khz roofer my opinion is
that its a must,without it is hard to reject the QRM from stations at only 2 Khz
of your freq,you must install that one.

Hector
AD4C

"If freedom means something,it is the right to tell others what they don't want
to hear" –George Orwell

--- On Sat, 12/25/10, ac8ap <AshaferS@...> wrote:

From: ac8ap <AshaferS@...>
Subject: [orion565] Re: Orion on AM
To: orion565@yahoogroups.com
Date: Saturday, December 25, 2010, 8:30 PM

I have all three installed. I use them during contests and close station QRM. I
would have to say it depends on the ops radio habits and budget.

Alan

--- In orion565@yahoogroups.com, amfone <amfone20000@...> wrote:
>
> My Orion the original has not had any upgrades. Are the upgrades worth it?
>
> I do not have a 1.8 filter in mine. I run mostly SSB will it help?
> Thanks Tim
>
>
>
>

> _____
> From: amfone20000 <amfone20000@...>
> To: orion565@yahoogroups.com
> Sent: Thu, December 23, 2010 4:20:46 PM
> Subject: [orion565] Orion on AM
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6518. Re: [orion565] Re: Audio input level

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-27 03:03:37 UTC
From: Hector Padron
Topic: 6500 Message: 6518

Hi Bill,yes your explanation helped me to solve the problem,I already had that box built but the input gain adjustment was missing for me,now I set the "Aux Input gain" to 100 and with the windows xp bar levels I set it up top the right level looking for same amount of modulation that when I talk with the mic,everything works fine now,besides you saved me the $75 that interface card would cost me at TT,what could we do without these groups? this is great to receive free technical advice from other users,have a happy xmas days left this year,73

Hector
AD4C

"If freedom means something,it is the right to tell others what they don't want to hear"
–George Orwell

--- On Sat, 12/25/10, ke6jti <ke6jti@...> wrote:

From: ke6jti <ke6jti@...>
Subject: [orion565] Re: Audio input level
To: orion565@yahoogroups.com
Date: Saturday, December 25, 2010, 11:15 PM

--- In orion565@yahoogroups.com, "HectorP" <ad4c2008@...> wrote:
>
> My question to the group,maybe its very simple the answer but I can't find it.
> I am a very happy owner of a TT Orion II and will like to run audio input to the rear AUX/IO connector,radio came with a cable with the DIN conector and four female RCA conectors on the other end,as the manual says,audio input should be conected to the white RCA conector which is pin 1. I just did it BUT the audio input level even its more than 1V from my laptop sound card,when I TX the radio makes only 5W meaning the input level gain is too low,nevertheless when I talk with the mic I see 100W.I set the TX Audio Source on BOTH to let mic audio and auxiliar audio both enter,I thought maybe there would be an audio input level adjustment within the menu but I could not find it.I made a temporarly solution until someone on this group help me out to find the cause of the problem and it was to run the auxiliar audio from the laptop to the mic conector on the front panel together with the mic passing trough an isolation 600 to 600 ohms transformer but that
change mi mic gain a little bid which I expected to happen.I want to run the auxiliar audio trough the rear conector.
> Any help will be appreciatted,thanks
>
> Hector
> AD4C
> MERRY XMAS.
>
Hector,

There is an AUX Input Gain setting in the SSB menu. It is the first item in the list. This is the same menu where you select the TX Audio source.

I built an interface box that allows me to switch between a TNC and the computer for digital modes and keying. It also has isolation transformers on the input and output lines. I also have two potentiometers to adjust the input to the radio and the computer. I then leave the Aux input gain set at 100 and adjust the input to the radio with the potentiometer. Then all I have to do is select between the mic or aux input. The main reason I do it this way is because if I use software to do the switching as far as I could find there is no software command to change the Aux input gain, but there is to change the source.

Hope this helps.

73,

Bill

WA6LD

[Non-text portions of this message have been removed]

6519. Re: [orion565] upgrades and 1. 8 filter (Needed) ??

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-27 03:09:05 UTC
From: Hector Padron
Topic: 6486 Message: 6519

Why don't you buy directly from INRAD,they have lower prices than TT ones,and the shiping is very fast,I ordered one for CW for 400hz last week and it arrived home in just 2 days,the price on TT of same filter was going to be $125 but with INRAD it cost me only $75,see that,the saving are substancial,buy new instead.

Hector
AD4C

"If freedom means something,it is the right to tell others what they don't want to hear" -George Orwell

--- On Sun, 12/26/10, amfone <amfone20000@...> wrote:

From: amfone <amfone20000@...>
Subject: Re: [orion565] upgrades and 1. 8 filter (Needed) ??
To: orion565@yahoogroups.com
Date: Sunday, December 26, 2010, 5:52 PM

Thanks Hector

I should see if someone has a 1.8 filter for the Orion for sale.

73

Tim
WB8UHZ

From: Hector Padron <ad4c2008@...>
To: orion565@yahoogroups.com
Sent: Sun, December 26, 2010 11:25:32 AM
Subject: Re: [orion565] Re: Orion on AM

I can't tell much about FW upgrades because my O2 is using one from 2006 although it works great with that one but about the 1.8Khz roofer my opinion is that its a must,without it is hard to reject the QRM from stations at only 2 Khz of your freq,you must install that one.

Hector
AD4C

"If freedom means something,it is the right to tell others what they don't want to hear" -George Orwell

--- On Sat, 12/25/10, ac8ap <AshaferS@...> wrote:

From: ac8ap <AshaferS@...>
Subject: [orion565] Re: Orion on AM

To: orion565@yahoogroups.com
Date: Saturday, December 25, 2010, 8:30 PM

I have all three installed. I use them during contests and close station QRM. I would have to say it depends on the ops radio habits and budget.

Alan

--- In orion565@yahoogroups.com, amfone <amfone20000@...> wrote:
>
> My Orion the original has not had any upgrades. Are the upgrades worth it?
>
> I do not have a 1.8 filter in mine. I run mostly SSB will it help?
> Thanks Tim
>
>
>
>
> _____
> From: amfone20000 <amfone20000@...>
> To: orion565@yahoogroups.com
> Sent: Thu, December 23, 2010 4:20:46 PM
> Subject: [orion565] Orion on AM
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6520. Re: [orion565] upgrades and 1. 8 filter (Needed) ??

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-27 08:01:21 UTC
From: K Van Horn
Topic: 6486 Message: 6520

☐Hi Tim,..
I have a 1.8 that I took out of my Orion I when I traded it towards my Orion 2. You can contact me at k7ec@... if interested.
Jirby, k7ec

From: amfone
Sent: Sunday, December 26, 2010 10:52 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] upgrades and 1. 8 filter (Needed) ??

Thanks Hector

I should see if someone has a 1.8 filter for the Orion for sale.

73

Tim
WB8UHZ

_____
From: Hector Padron <mailto:ad4c2008%40yahoo.com>
To: mailto:orion565%40yahoogroups.com
Sent: Sun, December 26, 2010 11:25:32 AM
Subject: Re: [orion565] Re: Orion on AM

I can't tell much about FW upgrades because my O2 is using one from 2006
although it works great with that one but about the 1.8Khz roofer my opinion is
that its a must,without it is hard to reject the QRM from stations at only 2 Khz
of your freq,you must install that one.

Hector
AD4C

"If freedom means something,it is the right to tell others what they don't want
to hear" –George Orwell

--- On Sat, 12/25/10, ac8ap <mailto:AshaferS%40neo.rr.com> wrote:

From: ac8ap <mailto:AshaferS%40neo.rr.com>
Subject: [orion565] Re: Orion on AM
To: mailto:orion565%40yahoogroups.com
Date: Saturday, December 25, 2010, 8:30 PM

I have all three installed. I use them during contests and close station QRM. I
would have to say it depends on the ops radio habits and budget.

Alan

--- In mailto:orion565%40yahoogroups.com, amfone <amfone20000@...> wrote:
>
> My Orion the original has not had any upgrades. Are the upgrades worth it?
>
> I do not have a 1.8 filter in mine. I run mostly SSB will it help?
> Thanks Tim
>
>
>
>
> _____
> From: amfone20000 <amfone20000@...>
> To: mailto:orion565%40yahoogroups.com
> Sent: Thu, December 23, 2010 4:20:46 PM
> Subject: [orion565] Orion on AM
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6521. Re: [orion565] upgrades and 1. 8 filter (Needed) ??

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-27 11:35:24 UTC
From: Barry N1EU
Topic: 6486 Message: 6521

On Mon, Dec 27, 2010 at 3:09 AM, Hector Padron <ad4c2008@...> wrote:

>
>
> Why don't you buy directly from INRAD,they have lower prices than TT
> ones,and the shiping is very fast,I ordered one for CW for 400hz last week
> and it arrived home in just 2 days,the price on TT of same filter was going
> to be $125 but with INRAD it cost me only $75,
>

The Inrad 1.8Khz filter for the Orion is $125:
http://www.inrad.net/product.php?productid=191&cat=92&page=1

73, Barry N1EU

[Non-text portions of this message have been removed]

6522. New to Me Orion One

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-30 02:57:50 UTC
From: kf8zn
Topic: 6522 Message: 6522

Just arrived via UPS today, and the seller threw in a Studio One Mic. as a Merry Christmas!

Large learning curve from my Omni VI though, if anyone has any "favorite settings" for any of the bazillion parameters, I'd appreciate input!

AC2Q

6523. Re: New to Me Orion One

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-30 03:56:27 UTC
From: ac8ap
Topic: 6522 Message: 6523

That's great! I know you will really enjoy operating it. My favorite setting is ON. HI HI. I operate CW 99.8% of the time and have all the filters installed. I will scan with the BW about 200-250 unless it is contest season. I normally operate in LCW. PBT, RIT and XIT at zero to start with. They would be adjusted if needed during QSO. Have a lifetime of enjoyment out of your new Orion.

AC8AP

--- In orion565@yahoogroups.com, "kf8zn" <kf8zn@...> wrote:
>
> Just arrived via UPS today, and the seller threw in a Studio One Mic. as a Merry Christmas!
>
> Large learning curve from my Omni VI though, if anyone has any "favorite settings" for any of the bazillion parameters, I'd appreciate input!
>
> AC2Q
>

6525. Re: New to Me Orion One

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-30 10:51:24 UTC
From: Rolf Krogstad
Topic: 6522 Message: 6525

>>>>> kf8zn@... wrote: <<<<<
>>>...Large learning curve from my Omni VI though, if anyone has any
>>> "favorite settings" for any of the bazillion parameters, I'd appreciate
input!
>>>
>>>AC2Q
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

Here are some links I have found useful:

OPTIMAL USES OF ORION RECEIVER FOR WEAK SIGNAL DXING AND CONTESTING by W4PA
and KF6DX
www.tentec.com/index.php?s=file_download&id=137

TenTec Orion Configuration Checklist Used at W1KM
http://wiki.contesting.com/index.php/Category:TenTec_Orion

[TenTec] Orion SSB settings
http://lists.contesting.com/archives/html/Orion/2004-11/msg00019.html

Powerpoint slides on the differences between the Orion and 'traditional'
receivers
www.pvrc.org/Powerpoint/PPT%20Orion.pps

[TenTec] Orion AGC settings
http://lists.contesting.com/archives/html/Orion/2004-02/msg00022.html

TT Orion 565 on 160m & optimal setting
http://topband.blog.cz/0712/tt-orion-565-on-160m-optimal-setting-part-ii-by-w4pa-kf6dx

There's a lot to learn with this rig, but you don't need to be an expert to
enjoy it!
Have fun!!

73 Rolf NR0T

[Non-text portions of this message have been removed]

6526. Re: New to Me Orion One

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-30 11:09:58 UTC
From: Rolf Krogstad
Topic: 6522 Message: 6526

Two more Orion links:

Orion Wiki: http://www.tentecwiki.org/doku.php?id=565&s[]=inrad&s[]=orion

VE7TK Website: http://www3.telus.net/ve7tk

73 Rolf NR0T

>>>>> kf8zn@... wrote: <<<<<
> >>>...Large learning curve from my Omni VI though, if anyone has any
> >>> "favorite settings" for any of the bazillion parameters, I'd appreciate
> input!
> >>>
> >>>AC2Q
> >>>>>>>>>>>>>>>>>>>>>>>>>>>>>
>
> Here are some links I have found useful:
>
> OPTIMAL USES OF ORION RECEIVER FOR WEAK SIGNAL DXING AND CONTESTING by W4PA
> and KF6DX
> www.tentec.com/index.php?s=file_download&id=137
>
> TenTec Orion Configuration Checklist Used at W1KM
> http://wiki.contesting.com/index.php/Category:TenTec_Orion
>
> [TenTec] Orion SSB settings
> http://lists.contesting.com/archives/html/Orion/2004-11/msg00019.html
>
> Powerpoint slides on the differences between the Orion and 'traditional'
> receivers
> www.pvrc.org/Powerpoint/PPT%20Orion.pps
>
> [TenTec] Orion AGC settings
> http://lists.contesting.com/archives/html/Orion/2004-02/msg00022.html
>
> TT Orion 565 on 160m & optimal setting
>
> http://topband.blog.cz/0712/tt-orion-565-on-160m-optimal-setting-part-ii-by-w4pa-kf6dx
>
> There's a lot to learn with this rig, but you don't need to be an expert to
> enjoy it!
> Have fun!!
>
> 73 Rolf NR0T
>
>

[Non-text portions of this message have been removed]

6527. Re: [orion565] Re: New to Me Orion One

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-30 11:30:39 UTC
From: Barry N1EU
Topic: 6522 Message: 6527

I've been using the Orion for 7 years. Personally, I wouldn't put as much attention on reading what everyone else recommends. One reason is that much of that was written very early in the Orion evolution. AGC and gain setting changed fundamentally during 2004 with firmware revisions.

My personal recommendation is to load firmware revision 1.373b5, set your AGC threshold (RX menu) at 1uV or less, advance RF Gain till you can just hear band noise, and go from there.

Also, set cw rise/fall to 8 msec to avoid generating key clicks.

73, Barry N1EU

On Thu, Dec 30, 2010 at 11:09 AM, Rolf Krogstad <rolf.krogstad@...>wrote:

>
>
> Two more Orion links:
>
> Orion Wiki: http://www.tentecwiki.org/doku.php?id=565&s[]=inrad&s[]=orion
>
> VE7TK Website: http://www3.telus.net/ve7tk
>
> 73 Rolf NR0T
>
>
> >>>>> kf8zn@... <kf8zn%40yahoo.com> wrote: <<<<<
> > >>>...Large learning curve from my Omni VI though, if anyone has any
> > >>> "favorite settings" for any of the bazillion parameters, I'd
> appreciate
> > input!
> > >>>
> > >>>AC2Q
> > >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
> >
> > Here are some links I have found useful:
> >
> > OPTIMAL USES OF ORION RECEIVER FOR WEAK SIGNAL DXING AND CONTESTING by
> W4PA
> > and KF6DX
> > www.tentec.com/index.php?s=file_download&id=137
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> >
> > [TenTec] Orion AGC settings
> > http://lists.contesting.com/archives/html/Orion/2004-02/msg00022.html
> >
> > TT Orion 565 on 160m & optimal setting
> >
> >
> http://topband.blog.cz/0712/tt-orion-565-on-160m-optimal-setting-part-ii-by-w4pa-kf6dx
> >
> > There's a lot to learn with this rig, but you don't need to be an expert
> to
> > enjoy it!
> > Have fun!!
> >
> > 73 Rolf NR0T
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

6528. 8-Pin Microphone Connector for Orion 565 with RFI

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-30 13:36:44 UTC
From: Edward A. Feustel
Topic: 6528 Message: 6528

I am in a high RF field environment when my Centaur
is on and apparently it is getting in through the microphone
on 80 producing distortion on the audio. I don't have distortion
if the amplifier is off.

I am considering replacing the 4 pin connector with an 8 pin
connector. I wonder if this would help and whether others
have done this. How should the connector be wired for
connections to 8 pin Ten Tec microphones?
Thanks and 73,
Ed, N5EI

6529. RE: [orion565] 8-Pin Microphone Connector for Orion 565 with RFI

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-30 13:55:19 UTC
From: Martin Sole
Topic: 6528 Message: 6529

Ed,

I can't quite see how having more pins in the mic socket will help. You might try an appropriate ferrite ring on the mic cable near the plug end .

Replacing the 4 pin with an 8 pin looks very difficult since the 4 pin connector is soldered to a pcb and the holes all line up. There is no way to fit an 8 pin without either cutting the pcb or drilling holes and adding wires. Better to add an external 4 to 8 pin adaptor cable if you wish to use microphones already fitted wth 8 piin plugs.

Regards

Martin

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Edward A. Feustel
Sent: 30 December 2010 20:37
To: orion565@yahoogroups.com
Subject: [orion565] 8-Pin Microphone Connector for Orion 565 with RFI

I am in a high RF field environment when my Centaur
is on and apparently it is getting in through the microphone
on 80 producing distortion on the audio. I don't have distortion
if the amplifier is off.

I am considering replacing the 4 pin connector with an 8 pin
connector. I wonder if this would help and whether others
have done this. How should the connector be wired for
connections to 8 pin Ten Tec microphones?
Thanks and 73,
Ed, N5EI

[Non-text portions of this message have been removed]

6530. Re: [orion565] 8-Pin Microphone Connector for Orion 565 with RFI

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-30 13:56:39 UTC
From: Barry N1EU
Topic: 6528 Message: 6530

http://www.tentecwiki.org/doku.php?id=565michookup

73, Barry N1EU

On Thu, Dec 30, 2010 at 1:36 PM, Edward A. Feustel <efeustel@...>wrote:

>
>
> I am in a high RF field environment when my Centaur
> is on and apparently it is getting in through the microphone
> on 80 producing distortion on the audio. I don't have distortion
> if the amplifier is off.
>
> I am considering replacing the 4 pin connector with an 8 pin
> connector. I wonder if this would help and whether others
> have done this. How should the connector be wired for
> connections to 8 pin Ten Tec microphones?
> Thanks and 73,
> Ed, N5EI
>
>

[Non-text portions of this message have been removed]

6531. Re: [orion565] New to Me Orion One

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-30 14:50:26 UTC
From: gary strong
Topic: 6522 Message: 6531

I have them for the Orion II, but I don't know if they are the same on the Orion. I'd have to fax or scan the document as I only have it printed. Lastly we could arrange phone call and I could take you through the options.

Gary KO0Q

On Wed, Dec 29, 2010 at 8:57 PM, kf8zn <kf8zn@...> wrote:

>
>
> Just arrived via UPS today, and the seller threw in a Studio One Mic. as a
> Merry Christmas!
>
> Large learning curve from my Omni VI though, if anyone has any "favorite
> settings" for any of the bazillion parameters, I'd appreciate input!
>
> AC2Q
>
>
>

[Non-text portions of this message have been removed]

6532. SCAF-1

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-30 15:02:44 UTC
From: Al Baker
Topic: 6528 Message: 6532

If anyone on this list has the manual for the scaf-1, I would appreciate information on tuning the 2 pots on the circuit board to match the radio.

Thanks and HNY de Al, W5IZ

[Non-text portions of this message have been removed]

6533. RE: [orion565] 8-Pin Microphone Connector for Orion 565 with RFI

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-30 15:22:14 UTC
From: Robert Mcgraw
Topic: 6528 Message: 6533

Might want to check to see that all pieces of equipment for the station
is bonded back to the ground terminal on the power supply for the radio.
Also, if you use an external "radio" ground, you may want to disconnect
that as well. At the same time, be sure that 3rd pin ground is used on
the power supply.

You didn't mention what mike you are using however you might try a
different mike to see if the mike might be the cause of the problem.
From my take, 4 pins or 8 pins, doesn't make any difference as long as
form, fit and function is retained.

73
Bob, K4TAX

> Ed,
>
>
>
> I can't quite see how having more pins in the mic socket will help. You
> might try an appropriate ferrite ring on the mic cable near the plug end
> .
>
>
>
> Replacing the 4 pin with an 8 pin looks very difficult since the 4 pin
> connector is soldered to a pcb and the holes all line up. There is no way
> to
> fit an 8 pin without either cutting the pcb or drilling holes and adding
> wires. Better to add an external 4 to 8 pin adaptor cable if you wish to
> use
> microphones already fitted wth 8 piin plugs.
>
>
>
> Regards
>
> Martin
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf
> Of Edward A. Feustel
> Sent: 30 December 2010 20:37
> To: orion565@yahoogroups.com
> Subject: [orion565] 8-Pin Microphone Connector for Orion 565 with RFI

>
>
>
>
>
> I am in a high RF field environment when my Centaur
> is on and apparently it is getting in through the microphone
> on 80 producing distortion on the audio. I don't have distortion
> if the amplifier is off.
>
> I am considering replacing the 4 pin connector with an 8 pin
> connector. I wonder if this would help and whether others
> have done this. How should the connector be wired for
> connections to 8 pin Ten Tec microphones?
> Thanks and 73,
> Ed, N5EI
>
>
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>
>
> [Non-text portions of this message have been removed]
>
>

6534. Re: [orion565] SCAF-1

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-30 17:25:51 UTC
From: gary strong
Topic: 6528 Message: 6534

Al, I have one but I am heading out of town until Monday. If you still need it then just drop me an email and I'd be happy to send a copy. See QRZ for details.
Gary KO0Q (k o zero q)
On Dec 30, 2010 9:02 AM, "Al Baker" <w5iz@...> wrote:
> If anyone on this list has the manual for the scaf-1, I would appreciate
> information on tuning the 2 pots on the circuit board to match the radio.
>
> Thanks and HNY de Al, W5IZ
>
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> [Non-text portions of this message have been removed]
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6535. Re: [orion565] SCAF-1

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-30 18:54:02 UTC
From: Al Baker
Topic: 6528 Message: 6535

Thanks Gary,

I found my manual under a pile of old QSTs.

73 and HNY de Al, W5IZ

From: gary strong <gstrongx@gmail.com>
To: orion565@yahoogroups.com
Sent: Thu, December 30, 2010 11:25:51 AM
Subject: Re: [orion565] SCAF-1

Al, I have one but I am heading out of town until Monday. If you still
need it then just drop me an email and I'd be happy to send a copy. See QRZ
for details.
Gary KO0Q (k o zero q)
On Dec 30, 2010 9:02 AM, "Al Baker" <w5iz@...> wrote:
> If anyone on this list has the manual for the scaf-1, I would appreciate
> information on tuning the 2 pots on the circuit board to match the radio.
>
> Thanks and HNY de Al, W5IZ
>
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> _____
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Yahoo! Groups Links

[Non-text portions of this message have been removed]

6536. Re: [orion565] New to Me Orion One

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-30 19:07:37 UTC
From: John Huffman
Topic: 6522 Message: 6536

> Large learning curve from my Omni VI though, if anyone has any "favorite
> settings" for any of the bazillion parameters

The key parameter is the RF gain, especially compared to the Omni 6. The Orion sounds great if you turn up the AF gain and turn down the RF gain for comfortable audio.

Many of the other settings come into play in unique situations. The default settings are fine most of the time as long as you back off the RF gain.

The Orion is not a Cadillac, it's a hot rod. It needs adjustments and a firm hand to keep it under control. Did I mention backing off the RF gain?

You will enjoy learning how to control and get the most out of the rig in the coming months.

73 de K1ESE
John

6537. Original Orion upgrades

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-30 23:24:26 UTC
From: amfone20000
Topic: 6537 Message: 6537

Hello

I have the original Orion. I have not sent it to Ten Tec for any of the upgrades, it is stock and original, with all stock filters. I have a few questions that perhaps the group can help me with.

What upgrades are available from Ten Tec and what benefit would I gain from getting it upgraded?

I operate mostly SSB with the Orion, would purchasing the 1.8kc filter for the Orion make much of an improvement.

Does anyone have a 1.8 KC filter for sale for the Orion?

Thanks 73
Tim
WB8UHZ

6538. Re: [orion565] Original Orion upgrades

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-30 23:37:14 UTC
From: Barry N1EU
Topic: 6537 Message: 6538

There are no "updates" that are necessary. You really only need a 1.8Khz filter if you do ssb contesting, and even then it's only of marginal benefit when there's an adjacent s9+ signal.

So all you really need to do is enjoy the Orion!

73/HNY,
Barry N1EU

On Thu, Dec 30, 2010 at 11:24 PM, amfone20000 <amfone20000@...> wrote:

>
>
>
>
> Hello
>
> I have the original Orion. I have not sent it to Ten Tec for any of the
> upgrades, it is stock and original, with all stock filters. I have a few
> questions that perhaps the group can help me with.
>
> What upgrades are available from Ten Tec and what benefit would I gain from
> getting it upgraded?
>
> I operate mostly SSB with the Orion, would purchasing the 1.8kc filter for
> the Orion make much of an improvement.
>
> Does anyone have a 1.8 KC filter for sale for the Orion?
>
> Thanks 73
> Tim
> WB8UHZ
>
>
>

[Non-text portions of this message have been removed]

6539. Re: [orion565] SCAF-1

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-31 04:59:56 UTC
From: Jim Koshmider
Topic: 6528 Message: 6539

Al -

I just took pic's of the info you want - from my manual (consisting of 4 typewritten pages). If the pic's turn out to be legible, I will email them to you as an attachment.

73 es HNY,
Jim, K8OZ

--- On Thu, 12/30/10, Al Baker <w5iz@...> wrote:

From: Al Baker <w5iz@...>
Subject: [orion565] SCAF-1
To: orion565@yahoogroups.com
Date: Thursday, December 30, 2010, 10:02 AM

If anyone on this list has the manual for the scaf-1, I would appreciate information on tuning the 2 pots on the circuit board to match the radio.

Thanks and HNY de Al, W5IZ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6540. Re: [orion565] Original Orion upgrades

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-31 07:40:28 UTC
From: K Van Horn
Topic: 6537 Message: 6540

☐Hi Tim,
I have a 1.8 (model #218) that I took out of my O1 when I GOT MY O2. 75 plus shipping.

kirby, k7ec 4063663896

also have 2 others: a 500 hz (Model #217) and a 250hz (Model #219) 200 for all three and I pay shipping

From: amfone20000
Sent: Thursday, December 30, 2010 4:24 PM
To: orion565@yahoogroups.com
Subject: [orion565] Original Orion upgrades

Hello

I have the original Orion. I have not sent it to Ten Tec for any of the upgrades, it is stock and original, with all stock filters. I have a few questions that perhaps the group can help me with.

What upgrades are available from Ten Tec and what benefit would I gain from getting it upgraded?

I operate mostly SSB with the Orion, would purchasing the 1.8kc filter for the Orion make much of an improvement.

Does anyone have a 1.8 KC filter for sale for the Orion?

Thanks 73
Tim
WB8UHZ

[Non-text portions of this message have been removed]

6541. Re: [orion565] Original Orion upgrades

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-31 15:25:27 UTC
From: amfone
Topic: 6537 Message: 6541

Kerby

Having a little trouble reading what your saying to me. I think you note you had the original Orion but got the Orion II, is that correct?

In the original Orion you took out the 1.8 filter and have it to sell.

Is that right?

Thanks Tim

From: K Van Horn <k7ec@...>
To: orion565@yahoogroups.com
Sent: Fri, December 31, 2010 2:40:28 AM
Subject: Re: [orion565] Original Orion upgrades

☐Hi Tim,
I have a 1.8 (model #218) that I took out of my O1 when I GOT MY O2. 75 plus shipping.

kirby, k7ec 4063663896

also have 2 others: a 500 hz (Model #217) and a 250hz (Model #219) 200 for all three and I pay shipping

From: amfone20000
Sent: Thursday, December 30, 2010 4:24 PM
To: orion565@yahoogroups.com
Subject: [orion565] Original Orion upgrades

Hello

I have the original Orion. I have not sent it to Ten Tec for any of the upgrades, it is stock and original, with all stock filters. I have a few questions that perhaps the group can help me with.

What upgrades are available from Ten Tec and what benefit would I gain from getting it upgraded?

I operate mostly SSB with the Orion, would purchasing the 1.8kc filter for the Orion make much of an improvement.

Does anyone have a 1.8 KC filter for sale for the Orion?

Thanks 73
Tim
WB8UHZ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6542. Re: [orion565] Original Orion upgrades

Yahoo group: orion565 (2009 — 2013)
Date: 2010-12-31 15:35:12 UTC
From: amfone
Topic: 6537 Message: 6542

Barry

Thanks for your email regarding the info. What is the "chip" change or is it called "V" chip update that Ten Tec provides and what does it do?

Thanks for you assistance.

73 Tim

From: Barry N1EU <barry.n1eu@...>
To: orion565@yahoogroups.com
Sent: Thu, December 30, 2010 6:37:14 PM
Subject: Re: [orion565] Original Orion upgrades

There are no "updates" that are necessary. You really only need a 1.8Khz filter if you do ssb contesting, and even then it's only of marginal benefit when there's an adjacent s9+ signal.

So all you really need to do is enjoy the Orion!

73/HNY,
Barry N1EU

On Thu, Dec 30, 2010 at 11:24 PM, amfone20000 <amfone20000@...> wrote:

>
>
>
>
> Hello
>
> I have the original Orion. I have not sent it to Ten Tec for any of the
> upgrades, it is stock and original, with all stock filters. I have a few
> questions that perhaps the group can help me with.
>
> What upgrades are available from Ten Tec and what benefit would I gain from
> getting it upgraded?
>
> I operate mostly SSB with the Orion, would purchasing the 1.8kc filter for
> the Orion make much of an improvement.
>
> Does anyone have a 1.8 KC filter for sale for the Orion?
>
> Thanks 73
> Tim
> WB8UHZ

>
>
>

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[Non-text portions of this message have been removed]

6543. Orion- VFO-A probem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-01 12:35:37 UTC
From: Wojciech
Topic: 6543 Message: 6543

VFO-A in my Orion has developed a problem.When turning, frequency began to jump erratically and finally,when turning, frequency does not change at all.
I have the remote control pad connected and it works fine.
VFO-B works fine.
This problem appears on all band and at all frequency steps.

Look forward to hear comments from other Orion users.

Tom, VK2OE

6544. Re: [orion565] Orion- VFO-A probem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-01 12:43:07 UTC
From: John Huffman
Topic: 6543 Message: 6544

Tom -

I'd try re-seating all the connectors and cables coming from the VFO-A encoder. You'll have to take off the front panel.

It may not be a cure, but it's cheap to try....

73 de K1ESE
John

On 1/1/2011 7:35 AM, Wojciech wrote:
>
> VFO-A in my Orion has developed a problem.When turning, frequency
> began to jump erratically and finally,when turning, frequency does not
> change at all.
> I have the remote control pad connected and it works fine.
> VFO-B works fine.
> This problem appears on all band and at all frequency steps.
>
> Look forward to hear comments from other Orion users.
>
> Tom, VK2OE
>
>

[Non-text portions of this message have been removed]

6545. RE: [orion565] Orion- VFO-A probem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-01 12:44:43 UTC
From: John T. Fleming
Topic: 6543 Message: 6545

Tom,

Press along the slopped area of the display window on the right side of the screen. There are a series of pins connecting the CPU and display boards to the front encoder board. In time they develop oxidation. The connectors are behind the menu through mode button. This will exercise the connection and things will start working again.

If you download the V2 mode instructions, you can see the pins and connector in the picture.

Happy New Year and 73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Wojciech
Sent: Saturday, January 01, 2011 7:36 AM
To: orion565@yahoogroups.com
Subject: [orion565] Orion- VFO-A probem

VFO-A in my Orion has developed a problem.When turning, frequency began to jump erratically and finally,when turning, frequency does not change at all.
I have the remote control pad connected and it works fine.
VFO-B works fine.
This problem appears on all band and at all frequency steps.

Look forward to hear comments from other Orion users.

Tom, VK2OE

[Non-text portions of this message have been removed]

6546. Re: New to Me Orion One

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-02 12:59:51 UTC
From: kf8zn
Topic: 6522 Message: 6546

John,

"a firm hand to keep it under control"

made this pop into my head...there's a lot rolling around up there =0)

Jammin' gears has got to be a fever,
'Cause men become addicted to the grind.
It takes a special breed to be a truck drivin' man,
And a steady hand to pull that load behind.
Big wheels rollin' - big wheels rollin' - movin' on.

I have always turned down the RF gain, running the Orion at about 80%

AC2Q

6547. Re: [orion565] Re: New to Me Orion One

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-02 13:55:44 UTC
From: Bob McGraw - K4TAX
Topic: 6522 Message: 6547

With regard to RF Gain, depending on antenna size, not necessarily those with more antenna gain, thus using an antenna with more capture area, I run the Omni VII at 30% to 35% on 160M, {full size antenna} and then progress upward {thus more RF Gain} as I move to higher frequencies. Thus on 6 M with a 5 ele yagi, PRE ON and RF Gain at near 100%. This seems to make sigs pop out of the noise.

I finally figured out with the new digital rigs, more RF Gain was not what made sigs readable as too much RF gain actually will make things worse. The Eagle performs the same way with the RF gain backed down to 9 o'clock or so for the lower frequencies and full size or larger antennas.

Regarding the Orion II that I had on the desk, I found to be a "handful" in terms of operation. I believe many hams found the Orion series to be more complex to operate to get optimum performance and just could not get a grasp for comfortable operation. Thus from their viewpoint they found it does not perform well.

Happy New Year to all and much good DX.

73
Bob, K4TAX

----- Original Message -----
From: kf8zn
To: orion565@yahoogroups.com
Sent: Sunday, January 02, 2011 6:59 AM
Subject: [orion565] Re: New to Me Orion One

John,

"a firm hand to keep it under control"

made this pop into my head...there's a lot rolling around up there =0)

Jammin' gears has got to be a fever,
'Cause men become addicted to the grind.
It takes a special breed to be a truck drivin' man,
And a steady hand to pull that load behind.
Big wheels rollin' - big wheels rollin' - movin' on.

I have always turned down the RF gain, running the Orion at about 80%

AC2Q

[Non-text portions of this message have been removed]

6548. Re: [orion565] Re: New to Me Orion One

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-02 13:56:03 UTC
From: John Huffman
Topic: 6522 Message: 6548

No question, the Orion is a "big rig"!!!

On 1/2/2011 7:59 AM, kf8zn wrote:
>
> John,
>
> "a firm hand to keep it under control"
>
> made this pop into my head...there's a lot rolling around up there =0)
>
> Jammin' gears has got to be a fever,
> 'Cause men become addicted to the grind.
> It takes a special breed to be a truck drivin' man,
> And a steady hand to pull that load behind.
> Big wheels rollin' - big wheels rollin' - movin' on.
>
> I have always turned down the RF gain, running the Orion at about 80%
>
> AC2Q
>

[Non-text portions of this message have been removed]

6549. Re: [orion565] Re: New to Me Orion One

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-02 15:13:15 UTC
From: Barry N1EU
Topic: 6522 Message: 6549

On Sun, Jan 2, 2011 at 1:55 PM, Bob McGraw - K4TAX <RMcGraw@...>wrote:

> I believe many hams found the Orion series to be more complex to operate
> to get optimum performance and just could not get a grasp for comfortable
> operation. Thus from their viewpoint they found it does not perform well.
>

A few comments:

1. Anyone operating a radio with analog rf/if stages feeding dsp if stage with the old mentality of maxing RF Gain and letting AGC take care of the rest is doomed from the start.

2. To this day, the Orion's reputation/mythology is burdened by all the complex receiver instructions written prior to December 2004. When firmware v1.372 was released, all the previous AGC and gain setting instructions were obsoleted and Orion rx adjustment became very simple.

3. v2 firmware requires more careful gain adjustment than v1.372/1.373 firmware.

73/HNY,
Barry N1EU

[Non-text portions of this message have been removed]

6550. Re: [orion565] Re: New to Me Orion One

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-02 16:12:03 UTC
From: Bob McGraw - K4TAX
Topic: 6522 Message: 6550

Barry:

Great comments and summary.! Thanks. I've been trying to get that said for many months with radios like the Orion, Orion II, Omni VII and now the Eagle. Your point #1 is absolutely spot on.

73
Bob, K4TAX

----- Original Message -----
From: Barry N1EU
To: orion565@yahoogroups.com
Sent: Sunday, January 02, 2011 9:13 AM
Subject: Re: [orion565] Re: New to Me Orion One

On Sun, Jan 2, 2011 at 1:55 PM, Bob McGraw - K4TAX <RMcGraw@...>wrote:

> I believe many hams found the Orion series to be more complex to operate
> to get optimum performance and just could not get a grasp for comfortable
> operation. Thus from their viewpoint they found it does not perform well.
>

A few comments:

1. Anyone operating a radio with analog rf/if stages feeding dsp if stage with the old mentality of maxing RF Gain and letting AGC take care of the rest is doomed from the start.

2. To this day, the Orion's reputation/mythology is burdened by all the complex receiver instructions written prior to December 2004. When firmware v1.372 was released, all the previous AGC and gain setting instructions were obsoleted and Orion rx adjustment became very simple.

3. v2 firmware requires more careful gain adjustment than v1.372/1.373 firmware.

73/HNY,
Barry N1EU

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[Non-text portions of this message have been removed]

6553. blinking display on Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-02 22:36:48 UTC
From: itoplician
Topic: 6553 Message: 6553

Happy New Year!

I have an Orion with a blinking display. It is not blinking all the time but sometimes is annoying. Contrast is at 50%.
What might be the problem?
Other than that it is a great radio.

Adi, Yo2liw

6554. Re: [orion565] Re: New to Me Orion One

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-03 00:20:25 UTC
From: Bob McGraw - K4TAX
Topic: 6522 Message: 6554

You've done your homework and applied what you've learned effectively. The results speak the true facts.

73
Bob, K4TAX

----- Original Message -----
From: catfishtwo@...
To: orion565@yahoogroups.com
Sent: Sunday, January 02, 2011 2:02 PM
Subject: Re: [orion565] Re: New to Me Orion One

I have had my Orion for close to 10 years now, and I still love it. it took me a month or two to figure it out and another 6 months to really perfect my skill, but here is a brief.

start with a global reset so all of your adjustments are from a good start. I usually run the preamp off and the rf gain at 80% or so and the volume comfortable .I find The mic gain at 40 or so and start with most of the menu items as reset.

Then when you are "used" to this setup play with one setting at a time and see how it changes. some you will need to change right away like under menus you turn on the filters you have, set the sidetone pitch where you like it, enable the tuner if installed and such.

I find in a SSB contest I usually end up with the band width at 1800 or 1900 cycles wide, and the band pass set up about 400 cycle so I am listening to a narrowish ssb signal now centered between 400 and 2200 cps, which knocks off interference from adjacent stations. I seldom use noise blank or noise reduction. I use a remote vfo, which is handy, and I run a winkeyer usb for keying and do not use the internal keyer, but it works fine.

realize I also have a FT990, a TS2000 an FT847, a couple of ft 857's a pegasus, a 746 pro and a flex 1500 in the shack. I use the orion 95% of the time. it is that good.

so play with it, make it yours, and give it a little time for you to sort it out.

Tom

N6AJR

In a message dated 1/2/2011 7:13:26 A.M. Pacific Standard Time, barry.n1eu@... writes:

On Sun, Jan 2, 2011 at 1:55 PM, Bob McGraw - K4TAX
<RMcGraw@...>wrote:

> I believe many hams found the Orion series to be more complex to operate
> to get optimum performance and just could not get a grasp for comfortable
> operation. Thus from their viewpoint they found it does not perform
well.
>

A few comments:

1. Anyone operating a radio with analog rf/if stages feeding dsp if stage
with the old mentality of maxing RF Gain and letting AGC take care of the
rest is doomed from the start.

2. To this day, the Orion's reputation/mythology is burdened by all the
complex receiver instructions written prior to December 2004. When
firmware
v1.372 was released, all the previous AGC and gain setting instructions
were
obsoleted and Orion rx adjustment became very simple.

3. v2 firmware requires more careful gain adjustment than v1.372/1.373
firmware.

73/HNY,
Barry N1EU

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Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6555. Orion- VFO-A probem-matter resolved

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-03 05:25:13 UTC
From: Tomczyk, Wojiech
Topic: 6555 Message: 6555

Gentlemen,

Your suggestions did work.
It clearly appears that dissimilar metals used on both parts of connectors is the problem.
After flexing the front panel on the right side of the screen everything is back to normal.

Regards,

Tom, VK2OE
****
This message is intended for the addressee named and may contain
privileged information or confidential information or both. If you
are not the intended recipient please delete it and notify the sender.
****

6556. Re: blinking display on Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-03 08:17:42 UTC
From: pa1ap
Topic: 6553 Message: 6556

most likely the dc-dc regulator board capacitors which need to be replaced. In my case i had to replace them as well replace the contrast potentiometer since there was a crack in the resistor path. Best regards, Onno

--- In orion565@yahoogroups.com, "itoplician" <itoplician@...> wrote:
>
> Happy New Year!
>
> I have an Orion with a blinking display. It is not blinking all the time but sometimes is annoying. Contrast is at 50%.
> What might be the problem?
> Other than that it is a great radio.
>
> Adi, Yo2liw
>

6557. Re: [orion565] Re: New to Me Orion One

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-03 18:20:18 UTC
From: Hector Padron
Topic: 6522 Message: 6557

My new O2 remains always with the preamp off,the att off and RF Gain at 70,this way with my horizontal dipoles is very quite.Never has more than S2 to S3 of band noise.

AD4C

"If freedom means something,it is the right to tell others what they don't want to hear"
-George Orwell

--- On Sun, 1/2/11, John Huffman <hjohnc@...> wrote:

From: John Huffman <hjohnc@...>
Subject: Re: [orion565] Re: New to Me Orion One
To: orion565@yahoogroups.com
Date: Sunday, January 2, 2011, 1:56 PM

No question, the Orion is a "big rig"!!!

On 1/2/2011 7:59 AM, kf8zn wrote:
>
> John,
>
> "a firm hand to keep it under control"
>
> made this pop into my head...there's a lot rolling around up there =0)
>
> Jammin' gears has got to be a fever,
> 'Cause men become addicted to the grind.
> It takes a special breed to be a truck drivin' man,
> And a steady hand to pull that load behind.
> Big wheels rollin' - big wheels rollin' - movin' on.
>
> I have always turned down the RF gain, running the Orion at about 80%
>
> AC2Q
>

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[Non-text portions of this message have been removed]

6558. Re: [orion565] Re: blinking display on Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-03 21:20:11 UTC
From: Adi
Topic: 6553 Message: 6558

Thank you Onno,

I will replace them, too.

All the best!

Adi

--- On Mon, 1/3/11, pa1ap <pa1ap@...> wrote:

From: pa1ap <pa1ap@nextchallenge.net>
Subject: [orion565] Re: blinking display on Orion 565
To: orion565@yahoogroups.com
Date: Monday, January 3, 2011, 10:17 AM

most likely the dc-dc regulator board capacitors which need to be replaced. In my case i had to replace them as well replace the contrast potentiometer since there was a crack in the resistor path. Best regards, Onno

--- In orion565@yahoogroups.com, "itoplician" <itoplician@...> wrote:

>

> Happy New Year!

>

> I have an Orion with a blinking display. It is not blinking all the time but sometimes is annoying. Contrast is at 50%.

> What might be the problem?

> Other than that it is a great radio.

>

> Adi, Yo2liw

>

[Non-text portions of this message have been removed]

6559. Newbie O2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-07 17:57:09 UTC
From: w4ijy
Topic: 6559 Message: 6559

Pleased to be on this reflector. Just traded my K3 for the O2. I have licensed since 1959 with a 20 year hiatus. I am a Collins collector with 31 pieces of Collins. I still have my original 75
A4 I acquired in 1959.
In the shack-a construction trailer-is a FTDX9000MP. I will drive an Alpha 99 with the O2 if needed. My antennae are SteppIR BigIR on 80-6 and the SteippIR 4element with 30/40 addon mounted at 65 feet.
My primary operation is rag chewing. Some DX, a little contest for fun.
While the K3 is a good rig, it just wasn't my cup of tea. At Dayton, I took a serious look at the Orion II and with the encouragement of a buddy decided to try the Orion.
This reflector has already giving me several tips on operating.
Looking fowared to meeting many of the Orion users.
BTW, I have visited the Ten Tec plant in Sevierville. Impressed only I wish they had a better antennae-might have bought one earlier.
Dwight W4IJY

3

6560. Re: [orion565] Newbie O2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-07 20:45:47 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6559 Message: 6560

Welcome Dwight.

I put my Icom 756pro aside about 2 years ago for a 30 day trial of the Orion II and haven't looked back. Nice to meet you and perhaps we will work someday soon. (my O2 powers my Alpha 91b, 15-18 watts drive = 1200w pep and around 28w = legal limit)

73,
Sam
K3SAM
Butler, Pennsylvania

_____
From: w4ijy <cdwightbaker@bellsouth.net>
To: orion565@yahoogroups.com
Sent: Fri, January 7, 2011 12:57:09 PM
Subject: [orion565] Newbie O2

Pleased to be on this reflector. Just traded my K3 for the O2. I have licensed since 1959 with a 20 year hiatus. I am a Collins collector with 31 pieces of Collins. I still have my original 75
A4 I acquired in 1959.
In the shack-a construction trailer-is a FTDX9000MP. I will drive an Alpha 99 with the O2 if needed. My antennae are SteppIR BigIR on 80-6 and the SteippIR 4element with 30/40 addon mounted at 65 feet.
My primary operation is rag chewing. Some DX, a little contest for fun.
While the K3 is a good rig, it just wasn't my cup of tea. At Dayton, I took a serious look at the Orion II and with the encouragement of a buddy decided to try the Orion.

This reflector has already giving me several tips on operating.
Looking fowared to meeting many of the Orion users.
BTW, I have visited the Ten Tec plant in Sevierville. Impressed only I wish they had a better antennae-might have bought one earlier.
Dwight W4IJY

3

[Non-text portions of this message have been removed]

6561. Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-10 00:58:20 UTC
From: Mike
Topic: 6561 Message: 6561

I currently own a Ten-Tec 538 Jupiter and am looking to upgrade to another Ten-Tec radio. My interests include SSB contesting, Digital Modes ie PSK31, SSB DX, casual CW contesting, some CW DX and ragchewing. I am 60 yrs young and computer technology savy and retired. I expect the radio I buy now will be my last for me so I am looking for recommendations. I plan to stick with Ten-Tec, so, Omni, Omni II, Orion VII, Eagle? I am open to new or very good used rig. The only other rig I have even considered is Elecraft's K3 but I'm really partial to Ten-Tec.

Please help me with ideas for my "last" HF rig.
73,

Mike NT5DX

6562. Re: [orion565] Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-10 01:25:49 UTC
From: bob finger
Topic: 6561 Message: 6562

Mike: FWIW I had a pair of TenTec Orions. My first one was one of the first off the production line and like you I thought it would be my last hf radio. I never did like the Ver 2.x firmware and hung on to ver 1.373B5 until the end.

Well fast forward a few years. The Orions have gone to new homes and my K3 is without question the best I have ever used. The first month after I got the K3 I thought I had made a mistake, but that was short lived. I still have some TenTec radios, as they are collectors items on my shelf but the one I use is a K3. The second receiver, and receiver performance in ALL areas is vastly superior to the Orion. Sorry, but you asked for opinions. Enjoy whatever is your "last" one. By the way I play about 99% of my radio time on cw. 73 bob de w9ge

Mike wrote:

> I am open to new or very good used rig. The only other rig I have even
> considered is Elecraft's K3 but I'm really partial to Ten-Tec.
>
> Please help me with ideas for my "last" HF rig.
> 73,
>
> Mike NT5DX
>
>

--
Bob Finger
8511 Swann Haven Road
Easton MD 21601
cell 703 408-2176
e-mail to: Finger@...

6563. Re: Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-10 01:30:52 UTC
From: ac8ap
Topic: 6561 Message: 6563

I bought an Orion for my "last" main rig. I have all the filters installed in mine. I enjoy the ragchew but also play in the contests and working the DX stations. The second receiver really helps for working the split operations. I plan on retiring and growing old with this rig. If I were to upgrade in the future it would be the Orion II without question. You could call the sales department about a trade in for your Jupiter.

Alan
AC8AP

6564. Re: [orion565] Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-10 01:47:50 UTC
From: Barry N1EU
Topic: 6561 Message: 6564

Mike, I think you'd be happy with the performance of either an Orion or a K3. I have one of each and use them both regularly.

If you want to stick with Ten-Tec, I'd definitely go for a used Orion.

73,
Barry N1EU

On Mon, Jan 10, 2011 at 12:58 AM, Mike <mtcart50@...> wrote:

>
>
> I currently own a Ten-Tec 538 Jupiter and am looking to upgrade to another
> Ten-Tec radio. My interests include SSB contesting, Digital Modes ie PSK31,
> SSB DX, casual CW contesting, some CW DX and ragchewing. I am 60 yrs young
> and computer technology savy and retired. I expect the radio I buy now will
> be my last for me so I am looking for recommendations. I plan to stick with
> Ten-Tec, so, Omni, Omni II, Orion VII, Eagle? I am open to new or very good
> used rig. The only other rig I have even considered is Elecraft's K3 but I'm
> really partial to Ten-Tec.
>
> Please help me with ideas for my "last" HF rig.
> 73,
>
> Mike NT5DX
>
>
>

[Non-text portions of this message have been removed]

6565. Re: [orion565] Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-10 01:52:03 UTC
From: Barry N1EU
Topic: 6561 Message: 6565

BTW, I don't agree with the statement that the K3 main receiver "performance in ALL areas is vastly superior to the Orion". I'd say that it's neck-and-neck between the K3 main rx and the Orion main rx. Of course, the K3 subreceiver IS vastly superior to the Orion subreceiver.

73, Barry N1EU

On Mon, Jan 10, 2011 at 1:47 AM, Barry N1EU <barry.n1eu@...> wrote:

> Mike, I think you'd be happy with the performance of either an Orion or a
> K3. I have one of each and use them both regularly.
>
> If you want to stick with Ten-Tec, I'd definitely go for a used Orion.
>
> 73,
> Barry N1EU
>
>
> On Mon, Jan 10, 2011 at 12:58 AM, Mike <mtcart50@...> wrote:
>
>>
>>
>> I currently own a Ten-Tec 538 Jupiter and am looking to upgrade to another
>> Ten-Tec radio. My interests include SSB contesting, Digital Modes ie PSK31,
>> SSB DX, casual CW contesting, some CW DX and ragchewing. I am 60 yrs young
>> and computer technology savy and retired. I expect the radio I buy now will
>> be my last for me so I am looking for recommendations. I plan to stick with
>> Ten-Tec, so, Omni, Omni II, Orion VII, Eagle? I am open to new or very good
>> used rig. The only other rig I have even considered is Elecraft's K3 but I'm
>> really partial to Ten-Tec.
>>
>> Please help me with ideas for my "last" HF rig.
>> 73,
>>
>> Mike NT5DX
>>
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[Non-text portions of this message have been removed]

6567. Re: [orion565] Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-10 03:51:24 UTC
From: Michael Carter
Topic: 6561 Message: 6567

Bob,

Thanks for the reply... very good stuff and You sway me with your
experience I really appreciate it...
73,

Mike NT5DX

On Sun, Jan 9, 2011 at 7:25 PM, bob finger <finger@...> wrote:

>
>
> Mike: FWIW I had a pair of TenTec Orions. My first one was one of the
> first off the production line and like you I thought it would be my last
> hf radio. I never did like the Ver 2.x firmware and hung on to ver
> 1.373B5 until the end.
>
> Well fast forward a few years. The Orions have gone to new homes and my
> K3 is without question the best I have ever used.
>
<SNIP>

> Recent Activity:
>
> - New Members<http://groups.yahoo.com/group/orion565/members;_ylc=X3oDMTJnNms0NG9zBF9TAz
k3MzU5NzE0BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMx
Mjk0NjIyODA2?o=6>
> 3
> - New Photos<http://groups.yahoo.com/group/orion565/spnew;_ylc=X3oDMTJnaDRmNzMwBF9TAzk3M
zU5NzE0BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2cGhvdARzdGltZQMxMjk
0NjIyODA2>
> 1
> - New Files<http://groups.yahoo.com/group/orion565/files;_ylc=X3oDMTJoYmU0c2NtBF9TAzk3Mz
U5NzE0BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2ZmlsZXMEc3RpbWUDMTI5
NDYyMjgwNg-->
> 1
>
> Visit Your Group<http://groups.yahoo.com/group/orion565;_ylc=X3oDMTJmYnEzN2NuBF9TAzk3MzU
5NzE0BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzEyOTQ2M
jI4MDY->
>
> [image: Yahoo! Groups]<http://groups.yahoo.com/;_ylc=X3oDMTJlNHZ1a3VwBF9TAzk3MzU5NzE0BGd
ycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTI5NDYyMjgwNg-->
> Switch to: Text-Only<orion565-traditional@yahoogroups.com?subject=Change+Delivery+Format
:+Traditional>,
> Daily Digest<orion565-digest@yahoogroups.com?subject=Email+Delivery:+Digest>?

> Unsubscribe <orion565-unsubscribe@yahoogroups.com?subject=Unsubscribe> ? Terms
> of Use <http://docs.yahoo.com/info/terms/>
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[Non-text portions of this message have been removed]

6568. Re: [orion565] Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-10 04:06:19 UTC
From: Michael Carter
Topic: 6561 Message: 6568

Barry, Alan... thanks you guys I'm lovin the feedback ... it's great input
for me,

73,

Mike NT5DX

On Sun, Jan 9, 2011 at 7:52 PM, Barry N1EU <barry.n1eu@...> wrote:

>
>
> BTW, I don't agree with the statement that the K3 main receiver
> "performance
> in ALL areas is vastly superior to the Orion". I'd say that it's
> neck-and-neck between the K3 main rx and the Orion main rx. Of course, the
> K3 subreceiver IS vastly superior to the Orion subreceiver.
>
> 73, Barry N1EU
>
>
> On Mon, Jan 10, 2011 at 1:47 AM, Barry N1EU <barry.n1eu@...<barry.n1eu%40gmail.com>>
> wrote:
>
> > Mike, I think you'd be happy with the performance of either an Orion or a
> > K3. I have one of each and use them both regularly.
> >
> > If you want to stick with Ten-Tec, I'd definitely go for a used Orion.
> >
> > 73,
> > Barry N1EU
> >
> >
> > On Mon, Jan 10, 2011 at 12:58 AM, Mike <mtcart50@gmail.com<mtcart50%40gmail.com>>
> wrote:
> >
> >>
> >>
> >> I currently own a Ten-Tec 538 Jupiter and am looking to upgrade to
> another
> >> Ten-Tec radio. My interests include SSB contesting, Digital Modes ie
> PSK31,
> >> SSB DX, casual CW contesting, some CW DX and ragchewing. I am 60 yrs
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> >> and computer technology savy and retired. I expect the radio I buy now
> will
> >> be my last for me so I am looking for recommendations. I plan to stick

> with
> >> Ten-Tec, so, Omni, Omni II, Orion VII, Eagle? I am open to new or very
> good
> >> used rig. The only other rig I have even considered is Elecraft's K3 but
> I'm
> >> really partial to Ten-Tec.
> >>
> >> Please help me with ideas for my "last" HF rig.
> >> 73,
> >>
> >> Mike NT5DX
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6569. Re: [orion565] Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-10 04:40:11 UTC
From: Bob McGraw - K4TAX
Topic: 6561 Message: 6569

My on air listening experience indicates that the K-3 transmit audio is average. One that I hear regularly does not sound near as good as many other radios. I've experienced two K-3's that I assembled. I found that listening to the receive audio was fatiguing. I presume this to be due to the higher percentage of distortion in the receive audio.

For a good all around performance vs. feature radio, the Omni VII is hard to beat. The Eagle has an outstanding receiver, the radio is very easy to use and has both great receive and transmit audio.

From a radio vs. model point of view, the Eagle is like an economy car, it's good on performance and easy on economy, the Omni VII is more like a sports car, looks good, performs well and is something to be proud of, while the Orion II is more like a Indy 500 car. It gets the job done and is often out in front of the pack but takes a skilled driver to accomplish such.

73
Bob, K4TAX

----- Original Message -----
From: "Michael Carter" <mtcart50@...>
To: <orion565@yahoogroups.com>
Sent: Sunday, January 09, 2011 10:06 PM
Subject: Re: [orion565] Orion 565

> Barry, Alan... thanks you guys I'm lovin the feedback ... it's great input
> for me,
>
> 73,
>
> Mike NT5DX
>
> On Sun, Jan 9, 2011 at 7:52 PM, Barry N1EU <barry.n1eu@...> wrote:
>
>>
>>
>> BTW, I don't agree with the statement that the K3 main receiver
>> "performance
>> in ALL areas is vastly superior to the Orion". I'd say that it's
>> neck-and-neck between the K3 main rx and the Orion main rx. Of course,
>> the
>> K3 subreceiver IS vastly superior to the Orion subreceiver.
>>
>> 73, Barry N1EU
>>
>>

>> On Mon, Jan 10, 2011 at 1:47 AM, Barry N1EU
>> <barry.n1eu@...<barry.n1eu%40gmail.com>>
>> wrote:
>>
>> > Mike, I think you'd be happy with the performance of either an Orion or
>> > a
>> > K3. I have one of each and use them both regularly.
>> >
>> > If you want to stick with Ten-Tec, I'd definitely go for a used Orion.
>> >
>> > 73,
>> > Barry N1EU
>> >
>> >
>> > On Mon, Jan 10, 2011 at 12:58 AM, Mike
>> > <mtcart50@...<mtcart50%40gmail.com>>
>> wrote:
>> >
>> >>
>> >>
>> >> I currently own a Ten-Tec 538 Jupiter and am looking to upgrade to
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>> >> Ten-Tec radio. My interests include SSB contesting, Digital Modes ie
>> PSK31,
>> >> SSB DX, casual CW contesting, some CW DX and ragchewing. I am 60 yrs
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>> >> and computer technology savy and retired. I expect the radio I buy now
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>> >> Ten-Tec, so, Omni, Omni II, Orion VII, Eagle? I am open to new or very
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>> >> used rig. The only other rig I have even considered is Elecraft's K3
>> >> but
>> I'm
>> >> really partial to Ten-Tec.
>> >>
>> >> Please help me with ideas for my "last" HF rig.
>> >> 73,
>> >>
>> >> Mike NT5DX
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6570. Re: [orion565] Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-10 04:55:14 UTC
From: Michael Carter
Topic: 6561 Message: 6570

Bob,

How about a comparison of the original Orion 565 and the Orion II 566?

On Sun, Jan 9, 2011 at 10:40 PM, Bob McGraw - K4TAX <RMcGraw@...>wrote:

>
>
> My on air listening experience indicates that the K-3 transmit audio is
> average. One that I hear regularly does not sound near as good as many
> other radios. I've experienced two K-3's that I assembled. I found that
> listening to the receive audio was fatiguing. I presume this to be due to
> the higher percentage of distortion in the receive audio.
>
> For a good all around performance vs. feature radio, the Omni VII is hard
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> beat. The Eagle has an outstanding receiver, the radio is very easy to use
> and has both great receive and transmit audio.
>
> From a radio vs. model point of view, the Eagle is like an economy car,
> it's
> good on performance and easy on economy, the Omni VII is more like a
> sports car, looks good, performs well and is something to be proud of,
> while
> the Orion II is more like a Indy 500 car. It gets the job done and is often
>
> out in front of the pack but takes a skilled driver to accomplish such.
>
> 73
> Bob, K4TAX
>
>
> ----- Original Message -----
> From: "Michael Carter" <mtcart50@... <mtcart50%40gmail.com>>
> To: <orion565@yahoogroups.com <orion565%40yahoogroups.com>>
> Sent: Sunday, January 09, 2011 10:06 PM
> Subject: Re: [orion565] Orion 565
>
> > Barry, Alan... thanks you guys I'm lovin the feedback ... it's great
> input
> > for me,
> >
> > 73,
> >
> > Mike NT5DX
> >

> > On Sun, Jan 9, 2011 at 7:52 PM, Barry N1EU
<barry.n1eu@gmail.com<barry.n1eu%40gmail.com>>
> wrote:
> >
> >>
> >>
> >> BTW, I don't agree with the statement that the K3 main receiver
> >> "performance
> >> in ALL areas is vastly superior to the Orion". I'd say that it's
> >> neck-and-neck between the K3 main rx and the Orion main rx. Of course,
> >> the
> >> K3 subreceiver IS vastly superior to the Orion subreceiver.
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> >> 73, Barry N1EU
> >>
> >>
> >> On Mon, Jan 10, 2011 at 1:47 AM, Barry N1EU
> >> <barry.n1eu@... <barry.n1eu%40gmail.com><barry.n1eu%40gmail.com>>
>
> >> wrote:
> >>
> >> > Mike, I think you'd be happy with the performance of either an Orion
> or
> >> > a
> >> > K3. I have one of each and use them both regularly.
> >> >
> >> > If you want to stick with Ten-Tec, I'd definitely go for a used Orion.
> >> >
> >> > 73,
> >> > Barry N1EU
> >> >
> >> >
> >> > On Mon, Jan 10, 2011 at 12:58 AM, Mike
> >> > <mtcart50@... <mtcart50%40gmail.com><mtcart50%40gmail.com>>
>
> >> wrote:
> >> >
> >> >>
> >> >> I currently own a Ten-Tec 538 Jupiter and am looking to upgrade to
> >> another
> >> >> Ten-Tec radio. My interests include SSB contesting, Digital Modes ie
> >> PSK31,
> >> >> SSB DX, casual CW contesting, some CW DX and ragchewing. I am 60 yrs
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> >> >> Please help me with ideas for my "last" HF rig.
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> >> >>
> >> >> Mike NT5DX
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6571. Re: [orion565] Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-10 11:27:45 UTC
From: Barry N1EU
Topic: 6561 Message: 6571

On Mon, Jan 10, 2011 at 4:40 AM, Bob McGraw - K4TAX <RMcGraw@...>wrote:

> the Orion II is more like a Indy 500 car. It gets the job done and is
> often
> out in front of the pack but takes a skilled driver to accomplish such.
>
> I find the Orion I with v1 firmware (v1.373b5 to be exact) quite easy to use. The v2 firmware on the Orion I and Orion II takes a little more attention to rx/tx gain setting and is a bit "finicky". The superiority of Orion's close-in cw performance makes it a clear favorite over the Omni 7 in my book.

The rx audio quality of the Orion is superb.

73, Barry N1EU

[Non-text portions of this message have been removed]

6572. Re: Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-10 11:49:08 UTC
From: Bruce
Topic: 6561 Message: 6572

I have got to weigh in on this subject. Like Barry I too have owned both the K3 and the Orion II. I used the K3 for one year before I purchased my Orion and after six months of owning both side-by-side I sold the K3. Unlike Barry I really did grow to dislike the K3 audio on ssb. I find it too harsh. I even tried the new board to see if that fixed the sound. No in the end it was just not the radio I wanted to sit and listen to. My other complaints about the K3 came down to ergonomics and especially that menu system. I never grew comfortable with them. I always needed the manual to be certain that I knew what I was changing.

The Orion is not without its flaws, it certainly needs some time to learn its quirks but I personally find it much easier to live with on a day-to-day basis. Menus are easy to understand, the receiver is amazing (as was the K3's) and once you realize that RF gain must lowered and the use of the agc the sound is simply very nice.

Just my 2 cents worth,
Bruce
AB1KC

--- In orion565@yahoogroups.com, "Mike" <mtcart50@...> wrote:
>
> I currently own a Ten-Tec 538 Jupiter and am looking to upgrade to another Ten-Tec radio. My interests include SSB contesting, Digital Modes ie PSK31, SSB DX, casual CW contesting, some CW DX and ragchewing. I am 60 yrs young and computer technology savy and retired. I expect the radio I buy now will be my last for me so I am looking for recommendations. I plan to stick with Ten-Tec, so, Omni, Omni II, Orion VII, Eagle? I am open to new or very good used rig. The only other rig I have even considered is Elecraft's K3 but I'm really partial to Ten-Tec.
>
> Please help me with ideas for my "last" HF rig.
> 73,
>
> Mike NT5DX
>

6573. Re: [orion565] Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-10 12:51:09 UTC
From: Bob McGraw - K4TAX
Topic: 6561 Message: 6573

I've never had both on the desk at the same time. My recall is not such
that I'd care to comment.

I see several other comments on the reflector that do make comparisons
between the two, specially with V1xxx firmware and V2xxx firmware.

73
Bob, K4TAX

----- Original Message -----
From: "Michael Carter" <mtcart50@...>
To: <orion565@yahoogroups.com>
Sent: Sunday, January 09, 2011 10:55 PM
Subject: Re: [orion565] Orion 565

> Bob,
>
> How about a comparison of the original Orion 565 and the Orion II 566?
>
> On Sun, Jan 9, 2011 at 10:40 PM, Bob McGraw - K4TAX
> <RMcGraw@...>wrote:
>
>>
>>
>> My on air listening experience indicates that the K-3 transmit audio is
>> average. One that I hear regularly does not sound near as good as many
>> other radios. I've experienced two K-3's that I assembled. I found that
>> listening to the receive audio was fatiguing. I presume this to be due to
>> the higher percentage of distortion in the receive audio.
>>
>> For a good all around performance vs. feature radio, the Omni VII is hard
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>> beat. The Eagle has an outstanding receiver, the radio is very easy to
>> use
>> and has both great receive and transmit audio.
>>
>> From a radio vs. model point of view, the Eagle is like an economy car,
>> it's
>> good on performance and easy on economy, the Omni VII is more like a
>> sports car, looks good, performs well and is something to be proud of,
>> while
>> the Orion II is more like a Indy 500 car. It gets the job done and is
>> often
>>
>> out in front of the pack but takes a skilled driver to accomplish such.
>>

>> 73
>> Bob, K4TAX
>>
>>
>> ----- Original Message -----
>> From: "Michael Carter" <mtcart50@... <mtcart50%40gmail.com>>
>> To: <orion565@yahoogroups.com <orion565%40yahoogroups.com>>
>> Sent: Sunday, January 09, 2011 10:06 PM
>> Subject: Re: [orion565] Orion 565
>>
>> > Barry, Alan... thanks you guys I'm lovin the feedback ... it's great
>> input
>> > for me,
>> >
>> > 73,
>> >
>> > Mike NT5DX
>> >
>> > On Sun, Jan 9, 2011 at 7:52 PM, Barry N1EU
>> > <barry.n1eu@...<barry.n1eu%40gmail.com>>
>> wrote:
>> >
>> >>
>> >> BTW, I don't agree with the statement that the K3 main receiver
>> >> "performance
>> >> in ALL areas is vastly superior to the Orion". I'd say that it's
>> >> neck-and-neck between the K3 main rx and the Orion main rx. Of course,
>> >> the
>> >> K3 subreceiver IS vastly superior to the Orion subreceiver.
>> >>
>> >> 73, Barry N1EU
>> >>
>> >>
>> >> On Mon, Jan 10, 2011 at 1:47 AM, Barry N1EU
>> >> <barry.n1eu@...
>> >> <barry.n1eu%40gmail.com><barry.n1eu%40gmail.com>>
>>
>> >> wrote:
>> >>
>> >> > Mike, I think you'd be happy with the performance of either an Orion
>> or
>> >> > a
>> >> > K3. I have one of each and use them both regularly.
>> >> >
>> >> > If you want to stick with Ten-Tec, I'd definitely go for a used
>> >> > Orion.
>> >> >
>> >> > 73,
>> >> > Barry N1EU

>> >> >
>> >> >
>> >> > On Mon, Jan 10, 2011 at 12:58 AM, Mike
>> >> > <mtcart50@... <mtcart50%40gmail.com><mtcart50%40gmail.com>>
>>
>> >> wrote:
>> >> >
>> >> >>
>> >> >>
>> >> >> I currently own a Ten-Tec 538 Jupiter and am looking to upgrade to
>> >> another
>> >> >> Ten-Tec radio. My interests include SSB contesting, Digital Modes
>> >> >> ie
>> >> PSK31,
>> >> >> SSB DX, casual CW contesting, some CW DX and ragchewing. I am 60
>> >> >> yrs
>> >> young
>> >> >> and computer technology savy and retired. I expect the radio I buy
>> now
>> >> will
>> >> >> be my last for me so I am looking for recommendations. I plan to
>> stick
>> >> with
>> >> >> Ten-Tec, so, Omni, Omni II, Orion VII, Eagle? I am open to new or
>> very
>> >> good
>> >> >> used rig. The only other rig I have even considered is Elecraft's
>> >> >> K3
>> >> >> but
>> >> I'm
>> >> >> really partial to Ten-Tec.
>> >> >>
>> >> >> Please help me with ideas for my "last" HF rig.
>> >> >> 73,
>> >> >>
>> >> >> Mike NT5DX
>> >> >>
>> >> >>
>> >> >>
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>> >> [Non-text portions of this message have been removed]
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6574. Orion 565 firmware update?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-10 13:04:13 UTC
From: Martin
Topic: 6561 Message: 6574

Any news? Is the 565 definitely abandoned?

73
Martin, OK1RR

6575. Re: [orion565] Orion 565 firmware update?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-10 14:14:42 UTC
From: Barry N1EU
Topic: 6561 Message: 6575

No news and 565 has not been abandoned. I believe John Henry's last posting
on the topic suggested that beta firmware might go out this month.

73, Barry N1EU

On Mon, Jan 10, 2011 at 1:04 PM, Martin <martin@...> wrote:

>
>
> Any news? Is the 565 definitely abandoned?
>
> 73
> Martin, OK1RR
> _
>

[Non-text portions of this message have been removed]

6576. Re: Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-10 16:37:28 UTC
From: oreradioguy
Topic: 6561 Message: 6576

Well I think I will throw my 2 cents into this. I use mainly CW and SSB. I have both an Orion ll and a Elecraft K3 fully loaded on both. I disagree that the audio quality is not good on a K3. The reason some k3's do not sound good is due to the operator and not the radio. I think you must use good speakers and a good microphone and that you need to know how to adjust the equalization of the transmit audio to get the desired results. Both radios are outstanding radios however, the K3 seems more state of the art and gets lots of firmware updates on a regular basis. The Orion is easier to learn than the K3 IMHO. The second receiver in the K3 is by far much better than the second receiver in a Orion ll. Customer service is good on both radios and considered outstanding as provided by Elecraft. I use top quality microphones on both, a Heil PR30 on the K3 and a Electrovoice RE27ND and W2IHY boxes on the Orion ll. For speakers I use Voicemaster Pro communications speakers. These additions yield outstanding audio. No audio boxes are needed on a K3 as it already has 8 band equalizers for both transmit and receive built in. I think both of these would be a good choice and its really a matter of your own preference and comfort level. But with either radio you should plan on adding some add ons to get top quality audio performance.

--- In orion565@yahoogroups.com, "Mike" <mtcart50@...> wrote:
>
> I currently own a Ten-Tec 538 Jupiter and am looking to upgrade to another Ten-Tec radio. My interests include SSB contesting, Digital Modes ie PSK31, SSB DX, casual CW contesting, some CW DX and ragchewing. I am 60 yrs young and computer technology savy and retired. I expect the radio I buy now will be my last for me so I am looking for recommendations. I plan to stick with Ten-Tec, so, Omni, Omni II, Orion VII, Eagle? I am open to new or very good used rig. The only other rig I have even considered is Elecraft's K3 but I'm really partial to Ten-Tec.
>
> Please help me with ideas for my "last" HF rig.
> 73,
>
> Mike NT5DX
>

6577. Re: [orion565] Re: Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-10 18:49:01 UTC
From: Pumbaa
Topic: 6561 Message: 6577

?I recently hooked up a big Hammerlund speaker to my Orion 2. The speaker had sitting unused for a very long time. It really makes a difference in sound quality compared to the dinky up firing speakers that are built into today's ham radios.

Tom AG8K

----- Original Message -----
From: oreradioguy
To: orion565@yahoogroups.com
Sent: Monday, January 10, 2011 10:37 AM
Subject: [orion565] Re: Orion 565

Well I think I will throw my 2 cents into this. I use mainly CW and SSB. I have both an Orion ll and a Elecraft K3 fully loaded on both. I disagree that the audio quality is not good on a K3. The reason some k3's do not sound good is due to the operator and not the radio. I think you must use good speakers and a good microphone and that you need to know how to adjust the equalization of the transmit audio to get the desired results. Both radios are outstanding radios however, the K3 seems more state of the art and gets lots of firmware updates on a regular basis. The Orion is easier to learn than the K3 IMHO. The second receiver in the K3 is by far much better than the second receiver in a Orion ll. Customer service is good on both radios and considered outstanding as provided by Elecraft. I use top quality microphones on both, a Heil PR30 on the K3 and a Electrovoice RE27ND and W2IHY boxes on the Orion ll. For speakers I use Voicemaster Pro communications speakers. These additions yield outstanding audio. No audio boxes are needed on a K3 as it already has 8 band equalizers for both transmit and receive built in. I think both of these would be a good choice and its really a matter of your own preference and comfort level. But with either radio you should plan on adding some add ons to get top quality audio performance.

--- In orion565@yahoogroups.com, "Mike" <mtcart50@...> wrote:
>
> I currently own a Ten-Tec 538 Jupiter and am looking to upgrade to another Ten-Tec radio. My interests include SSB contesting, Digital Modes ie PSK31, SSB DX, casual CW contesting, some CW DX and ragchewing. I am 60 yrs young and computer technology savy and retired. I expect the radio I buy now will be my last for me so I am looking for recommendations. I plan to stick with Ten-Tec, so, Omni, Omni II, Orion VII, Eagle? I am open to new or very good used rig. The only other rig I have even considered is Elecraft's K3 but I'm really partial to Ten-Tec.
>
> Please help me with ideas for my "last" HF rig.
> 73,
>
> Mike NT5DX
>

[Non-text portions of this message have been removed]

6578. Re: [orion565] Re: Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-10 19:52:08 UTC
From: Hector Padron
Topic: 6561 Message: 6578

And why not to add 2 cents more to this very interesting topic,I also own a K3 for more than 2 years and purchased recently a new Orion 2 and after using it for a month now,I backup 100% your comments about audio quality been better on the Orion,that is not true at all,I think is more a subjetive comment than the reality,I analyzed both radios received audios with a spectrum analyzer and both have almost identical well balanced audio response from 40 to 5000Hz,there is not a difference between them,I use the same type of hi-fi speakers with both and they sound excellent.One thing to remember is what is been said,you must have a good speaker system capable to respond at same freq range.For TX I have a Behringer electret mic and from same brand the preamp/phantom power box and after both radios has been equalized with their respective builtin EQ the audio freq response curve is also almost identica,only difference is that the roll-off on the Orion starts on 60 Hz while at the K3 starts at 80Hz of course that is with my own voice,all those graphs can been seen at qrz.com under my call sign.
Both radios has excellent performance although I have noticed that the O2 receives less noise than the K3 and certainly the second receiver on the K3 is way superior than the one at the O2.
I think these two radios could shake hands side by side and live together as twin brothers.

AD4C

"If freedom means something,it is the right to tell others what they don't want to hear"
–George Orwell

--- On Mon, 1/10/11, oreradioguy <kd7rj@comcast.net> wrote:

From: oreradioguy <kd7rj@...>
Subject: [orion565] Re: Orion 565
To: orion565@yahoogroups.com
Date: Monday, January 10, 2011, 4:37 PM

Well I think I will throw my 2 cents into this. I use mainly CW and SSB. I have both an Orion ll and a Elecraft K3 fully loaded on both. I disagree that the audio quality is not good on a K3. The reason some k3's do not sound good is due to the operator and not the radio. I think you must use good speakers and a good microphone and that you need to know how to adjust the equalization of the transmit audio to get the desired results. Both radios are outstanding radios however, the K3 seems more state of the art and gets lots of firmware updates on a regular basis. The Orion is easier to learn than the K3 IMHO. The second receiver in the K3 is by far much better than the second receiver in a Orion ll. Customer service is good on both radios and considered outstanding as provided by Elecraft. I use top quality microphones on both, a Heil PR30 on the K3 and a Electrovoice RE27ND and W2IHY boxes on the Orion ll. For speakers I use Voicemaster Pro communications speakers. These additions yield outstanding audio. No audio boxes are needed on a K3 as it already has 8 band equalizers for both transmit and receive built in. I think both of these would be a good choice and its really a matter of your own preference and comfort level. But with either radio you should plan on adding some add ons to get top quality audio performance.

--- In orion565@yahoogroups.com, "Mike" <mtcart50@...> wrote:
>
> I currently own a Ten-Tec 538 Jupiter and am looking to upgrade to another Ten-Tec radio. My interests include SSB contesting, Digital Modes ie PSK31, SSB DX, casual CW contesting, some CW DX and ragchewing. I am 60 yrs young and computer technology savy and retired. I expect the radio I buy now will be my last for me so I am looking for recommendations. I plan to stick with Ten-Tec, so, Omni, Omni II, Orion VII, Eagle? I am open to new or very good used rig. The only other rig I have even considered is Elecraft's K3 but I'm really partial to Ten-Tec.
>
> Please help me with ideas for my "last" HF rig.
> 73,
>
> Mike NT5DX
>

[Non-text portions of this message have been removed]

6579. Re: Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-11 00:09:47 UTC
From: Bruce
Topic: 6561 Message: 6579

Oreradioguy,
Perhaps your hearing is not what mine is but I know what I hear and I know what I like. I do not like the audio of the Elecraft K3. To suggest that I am somehow in error is a pretty bold statement. Just for the record I use both external speakers and headphones. Numerous examples of both and I could not find a combination that I felt helped the obviously inferior (for my tastes) audio of the K3. Some people think that Bose audio is the best, I can't help that. Some people say that speaker wire makes no difference; my answer is that if you can't hear it, don't buy it. Please though don't tell me that because you can't hear what I do, I must be wrong or worse not understand what I am hearing. I really wanted to love my K3, I built it from a kit, I studied the manual, I bragged about the receiver's performance, I read the reflector and I just lived and breathed the K3. In the end the audio gave me a headache even after replacing the DSP board with a rev C version. I am fine with the idea that other people hear it differently than I do but to suggest that it is somehow my lack of understanding is just ...really thoughtless.
73
Bruce

--- In orion565@yahoogroups.com, "oreradioguy" <kd7rj@...> wrote:
>
> Well I think I will throw my 2 cents into this. I use mainly CW and SSB. I have both an Orion ll and a Elecraft K3 fully loaded on both. I disagree that the audio quality is not good on a K3. The reason some k3's do not sound good is due to the operator and not the radio. I think you must use good speakers and a good microphone and that you need to know how to adjust the equalization of the transmit audio to get the desired results. Both radios are outstanding radios however, the K3 seems more state of the art and gets lots of firmware updates on a regular basis. The Orion is easier to learn than the K3 IMHO. The second receiver in the K3 is by far much better than the second receiver in a Orion ll. Customer service is good on both radios and considered outstanding as provided by Elecraft. I use top quality microphones on both, a Heil PR30 on the K3 and a Electrovoice RE27ND and W2IHY boxes on the Orion ll. For speakers I use Voicemaster Pro communications speakers. These additions yield outstanding audio. No audio boxes are needed on a K3 as it already has 8 band equalizers for both transmit and receive built in. I think both of these would be a good choice and its really a matter of your own preference and comfort level. But with either radio you should plan on adding some add ons to get top quality audio performance.
>
> --- In orion565@yahoogroups.com, "Mike" <mtcart50@> wrote:
> >
> > I currently own a Ten-Tec 538 Jupiter and am looking to upgrade to another Ten-Tec radio. My interests include SSB contesting, Digital Modes ie PSK31, SSB DX, casual CW contesting, some CW DX and ragchewing. I am 60 yrs young and computer technology savy and retired. I expect the radio I buy now will be my last for me so I am looking for recommendations. I plan to stick with Ten-Tec, so, Omni, Omni II, Orion VII, Eagle? I am open to new or very good used rig. The only other rig I have even considered is Elecraft's K3 but I'm really partial to Ten-Tec.
> >
> > Please help me with ideas for my "last" HF rig.
> > 73,
> >

> > Mike NT5DX
> >
>

6580. TenTec and K3 audio.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-11 01:10:18 UTC
From: k4ten
Topic: 6561 Message: 6580

I have a K3, Orion II and Omni VII. I too think the TenTecs sound much better! (My K3 has the old DSP board in it though.)

I have used many different speakers (Bose Companion II, Klipsch Promedia 2.1, Klipsch Heresy, Minimus 7, Sounds Sweet, Icom SP20, and more) To me the TenTecs sound better no matter which speaker is used, no matter what adjustments were made on the K3. The TenTecs just sound GREAT. The TenTecs sound better via headphones too. I use a set of Sony MDR-7506s and the TenTec Model 777 DX PRO headset.

I don't plan on getting rid of the K3, it is a very nice radio for sure. But.... If I were forced to get rid of one, the K3 would go.

I think it is hard to beat the TenTecs. Performance, ease of use, quality of signal (received and transmitted) etc....

Frankie
K4TEN

--- In orion565@yahoogroups.com, "Bruce" <brucebeard@...> wrote:
>
> Oreradioguy,
> Perhaps your hearing is not what mine is but I know what I hear and I know what I like. I do not like the audio of the Elecraft K3. To suggest that I am somehow in error is a pretty bold statement. Just for the record I use both external speakers and headphones. Numerous examples of both and I could not find a combination that I felt helped the obviously inferior (for my tastes) audio of the K3. Some people think that Bose audio is the best, I can't help that. Some people say that speaker wire makes no difference; my answer is that if you can't hear it, don't buy it. Please though don't tell me that because you can't hear what I do, I must be wrong or worse not understand what I am hearing. I really wanted to love my K3, I built it from a kit, I studied the manual, I bragged about the receiver's performance, I read the reflector and I just lived and breathed the K3. In the end the audio gave me a headache even after replacing the DSP board with a rev C version. I am fine with the idea that other people hear it differently than I do but to suggest that it is somehow my lack of understanding is just ...really thoughtless.
> 73
> Bruce
>
> --- In orion565@yahoogroups.com, "oreradioguy" <kd7rj@> wrote:
> >
> > Well I think I will throw my 2 cents into this. I use mainly CW and SSB. I have both an Orion ll and a Elecraft K3 fully loaded on both. I disagree that the audio quality is not good on a K3. The reason some k3's do not sound good is due to the operator and not the radio. I think you must use good speakers and a good microphone and that you need to know how to adjust the equalization of the transmit audio to get the desired results. Both radios are outstanding radios however, the K3 seems more state of the art and gets lots of firmware updates on a regular basis. The Orion is easier to learn than the K3 IMHO. The second receiver in the K3 is by far much better than the second receiver in a Orion ll. Customer service is good on both radios and considered outstanding as provided by Elecraft. I use top quality microphones on both, a Heil PR30 on the K3 and a Electrovoice RE27ND and W2IHY boxes on the Orion ll. For speakers I use Voicemaster Pro communications speakers. These additions yield outstanding audio. No audio boxes

are needed on a K3 as it already has 8 band equalizers for both transmit and receive built in. I think both of these would be a good choice and its really a matter of your own preference and comfort level. But with either radio you should plan on adding some add ons to get top quality audio performance.
> >
> > --- In orion565@yahoogroups.com, "Mike" <mtcart50@> wrote:
> > >
> > > I currently own a Ten-Tec 538 Jupiter and am looking to upgrade to another Ten-Tec radio. My interests include SSB contesting, Digital Modes ie PSK31, SSB DX, casual CW contesting, some CW DX and ragchewing. I am 60 yrs young and computer technology savy and retired. I expect the radio I buy now will be my last for me so I am looking for recommendations. I plan to stick with Ten-Tec, so, Omni, Omni II, Orion VII, Eagle? I am open to new or very good used rig. The only other rig I have even considered is Elecraft's K3 but I'm really partial to Ten-Tec.
> > >
> > > Please help me with ideas for my "last" HF rig.
> > > 73,
> > >
> > > Mike NT5DX
> > >
> >
>

6581. Re: [orion565] TenTec and K3 audio.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-11 01:30:11 UTC
From: Barry N1EU
Topic: 6561 Message: 6581

I'm in the process of updating my K3. When it's finished, I'll try and produce a high quality A/B recording of K3/Orion after carefully matching the passband responses. It would be an interesting experiment to post the recording and let everybody listen blindly and vote on whether rig A or rig B sounds better and describe what the perceived differences are.

73, Barry N1EU

On Tue, Jan 11, 2011 at 1:10 AM, k4ten <k4ten@...> wrote:

>
>
>
>
> I have a K3, Orion II and Omni VII. I too think the TenTecs sound much
> better! (My K3 has the old DSP board in it though.)
>
> I have used many different speakers (Bose Companion II, Klipsch Promedia
> 2.1, Klipsch Heresy, Minimus 7, Sounds Sweet, Icom SP20, and more) To me the
> TenTecs sound better no matter which speaker is used, no matter what
> adjustments were made on the K3. The TenTecs just sound GREAT. The TenTecs
> sound better via headphones too. I use a set of Sony MDR-7506s and the
> TenTec Model 777 DX PRO headset.
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> I don't plan on getting rid of the K3, it is a very nice radio for sure.
> But.... If I were forced to get rid of one, the K3 would go.
>
> I think it is hard to beat the TenTecs. Performance, ease of use, quality
> of signal (received and transmitted) etc....
>
> Frankie
> K4TEN
>
> --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, "Bruce"
> <brucebeard@...> wrote:
> >
> > Oreradioguy,
> > Perhaps your hearing is not what mine is but I know what I hear and I
> know what I like. I do not like the audio of the Elecraft K3. To suggest
> that I am somehow in error is a pretty bold statement. Just for the record I
> use both external speakers and headphones. Numerous examples of both and I
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> my tastes) audio of the K3. Some people think that Bose audio is the best, I
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> answer is that if you can't hear it, don't buy it. Please though don't tell
> me that because you can't hear what I do, I must be wrong or worse not

> understand what I am hearing. I really wanted to love my K3, I built it from
> a kit, I studied the manual, I bragged about the receiver's performance, I
> read the reflector and I just lived and breathed the K3. In the end the
> audio gave me a headache even after replacing the DSP board with a rev C
> version. I am fine with the idea that other people hear it differently than
> I do but to suggest that it is somehow my lack of understanding is just
> …..really thoughtless.
> > 73
> > Bruce
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> > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>,
> "oreradioguy" <kd7rj@> wrote:
> > >
> > > Well I think I will throw my 2 cents into this. I use mainly CW and
> SSB. I have both an Orion ll and a Elecraft K3 fully loaded on both. I
> disagree that the audio quality is not good on a K3. The reason some k3's do
> not sound good is due to the operator and not the radio. I think you must
> use good speakers and a good microphone and that you need to know how to
> adjust the equalization of the transmit audio to get the desired results.
> Both radios are outstanding radios however, the K3 seems more state of the
> art and gets lots of firmware updates on a regular basis. The Orion is
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> transmit and receive built in. I think both of these would be a good choice
> and its really a matter of your own preference and comfort level. But with
> either radio you should plan on adding some add ons to get top quality audio
> performance.
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> > > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, "Mike"
> <mtcart50@> wrote:
> > > >
> > > > I currently own a Ten-Tec 538 Jupiter and am looking to upgrade to
> another Ten-Tec radio. My interests include SSB contesting, Digital Modes ie
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> > > >
> > > > Mike NT5DX
> > > >

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[Non-text portions of this message have been removed]

6582. Re: [orion565] TenTec and K3 audio.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-11 03:06:18 UTC
From: Bob McGraw - K4TAX
Topic: 6561 Message: 6582

Someone commented about frequency response of the audio systems as related to the sound of various radios. Although any two systems may be spectrally identical, other factors contribute a significant portion to audio system performance and largely what we hear. Those are: THD+n, amplifier slew rate limiting, damping factor of the amplifier output stage, and intermodulation distortion just to name a few. A simple spectrum analysis with regard to frequency response is far from a complete measurement for comparison.

With regard to using "hi fi" speakers on ham radios, typically the audio stage of a ham receiver does not have an adequate damping factor for most speakers of this type. This usually presents itself as a sloppy or loose bottom end sound. Amplifiers that contain a reasonable amount of 3rd and 5th order harmonics sound musically better than amplifiers containing 2nd and 4th order harmonics of similar magnitude. Amplifier stages with slow slew rates will cause higher frequencies to be muffled or muted although frequency response will remain largely flat to the limit of the upper limit of the amplifier. In many cases, an amplifier that does not have a flat frequency response may actually sound more pleasing. After all, our ears do not respond uniformly with regard to frequency vs. sound level. And then finally the acoustic environment in which one is listening contributes as well to the overall sound.

Audio is much more complex and involved than many think or understand. But hey, it's only audio.

73
Bob, K4TAX

----- Original Message -----
From: Barry N1EU
To: orion565@yahoogroups.com
Sent: Monday, January 10, 2011 7:30 PM
Subject: Re: [orion565] TenTec and K3 audio.

I'm in the process of updating my K3. When it's finished, I'll try and
produce a high quality A/B recording of K3/Orion after carefully matching
the passband responses. It would be an interesting experiment to post the
recording and let everybody listen blindly and vote on whether rig A or rig
B sounds better and describe what the perceived differences are.

73, Barry N1EU

On Tue, Jan 11, 2011 at 1:10 AM, k4ten <k4ten@yahoo.com> wrote:

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>
> I have a K3, Orion II and Omni VII. I too think the TenTecs sound much
> better! (My K3 has the old DSP board in it though.)

>
> I have used many different speakers (Bose Companion II, Klipsch Promedia
> 2.1, Klipsch Heresy, Minimus 7, Sounds Sweet, Icom SP20, and more) To me the
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> Frankie
> K4TEN
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> <brucebeard@...> wrote:
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> > > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, "Mike"
> <mtcart50@> wrote:
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6583. K3 audio quality against the O2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-11 03:39:34 UTC
From: HectorP
Topic: 6583 Message: 6583

here is a link where I have dozen of MP3 files of recordings I have done with my K3 where you can judge by yourself if a K3 sounds bad or not:

http://www.ad4c.us/Elecraft%20K3/shared%20files%20from%20K3%20users/AD4C%20recordings%20on%20his%20K3/

copy and paste it to your browser and hear some of them or all and I am sure you will agree that a K3 sounds as well as an O2 and If you think it won't then I advice to go to see your ear Dr.

AD4C

6584. Re: [orion565] TenTec and K3 audio.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-11 04:03:58 UTC
From: Timothy Randa
Topic: 6561 Message: 6584

It is obvious that you are much more versed on the subject than myself Bob.
I would like your recommendation on what speakers are most suited to ham
radio transceivers.

73 de Tim K?FL

On Mon, Jan 10, 2011 at 9:06 PM, Bob McGraw - K4TAX <RMcGraw@...>wrote:

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> Someone commented about frequency response of the audio systems as related
> to the sound of various radios. Although any two systems may be spectrally
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> performance and largely what we hear. Those are: THD+n, amplifier slew rate
> limiting, damping factor of the amplifier output stage, and intermodulation
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> With regard to using "hi fi" speakers on ham radios, typically the audio
> stage of a ham receiver does not have an adequate damping factor for most
> speakers of this type. This usually presents itself as a sloppy or loose
> bottom end sound. Amplifiers that contain a reasonable amount of 3rd and 5th
> order harmonics sound musically better than amplifiers containing 2nd and
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> finally the acoustic environment in which one is listening contributes as
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> ----- Original Message -----
> From: Barry N1EU
> To: orion565@...m <orion565%40yahoogroups.com>
> Sent: Monday, January 10, 2011 7:30 PM
> Subject: Re: [orion565] TenTec and K3 audio.
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> I'm in the process of updating my K3. When it's finished, I'll try and
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6585. Re: [orion565] TenTec and K3 audio.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-11 04:53:40 UTC
From: Bob McGraw - K4TAX
Topic: 6561 Message: 6585

That largely depends on ones objective. If communication quality is the objective then I'd suggest one of the commercial speakers typically used with Motorola or GE mobile radios. They can be found at hamfests and swap meets for $5 to $10 depending on model and condition. I specifically like the GE Mastr Pro series. They have limited frequency response on both the extremes of low end and high end thus automatically eliminating some of the unwanted noises. As a result of their efficiency, they can produce quite high sound levels without any additional amplification.

If you want a wider range speaker system, I suggest a wooden enclosure of 1/4 to 1/2 cubic foot in volume fitted with a 6" to 7" two way speaker typical of the door mounted speakers found in autos. Load the box with bat fiberglass material, port the box at 1/16 to 1/8 of the speaker square inch value. These speakers are designed to be driven from 12 volt auto audio systems with typical power amps found in both auto radios and ham radios.

73
Bob, K4TAX

----- Original Message -----
From: "Timothy Randa" <randaranch@...>
To: <orion565@yahoogroups.com>
Sent: Monday, January 10, 2011 10:03 PM
Subject: Re: [orion565] TenTec and K3 audio.

It is obvious that you are much more versed on the subject than myself Bob. I would like your recommendation on what speakers are most suited to ham radio transceivers.

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<RMcGraw@...>wrote:

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> From: Barry N1EU
> To: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> Sent: Monday, January 10, 2011 7:30 PM
> Subject: Re: [orion565] TenTec and K3 audio.
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Yahoo! Groups Links

6586. Re: [orion565] TenTec and K3 audio.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-11 10:38:15 UTC
From: Barry N1EU
Topic: 6561 Message: 6586

Agreed Bob. I'm suggesting using line-level recovered audio for rig comparison purposes. I mentioned matching passband response in the test setup phase to take passband differences out of the equation for A/B listeners to discern differences/preferences. The passbands of the K3 and Orion are easily adjusted and can be closely matched.

I typically use quality externally amplified speakers anyway - audio output stages in hf xcvrs are almost universally mediocre.

73, Barry N1EU

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> > I do but to suggest that it is somehow my lack of understanding is just
> > …...really thoughtless.
> > > 73
> > > Bruce
> > >
> > > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com><orion565%
> 40yahoogroups.com>,
> >
> > "oreradioguy" <kd7rj@> wrote:
> > > >
> > > > Well I think I will throw my 2 cents into this. I use mainly CW and
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> > > > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com><orion565%
> 40yahoogroups.com>, "Mike"
>
> > <mtcart50@> wrote:
> > > > > >
> > > > > > I currently own a Ten-Tec 538 Jupiter and am looking to upgrade to
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> > > > > > Please help me with ideas for my "last" HF rig.
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> > > > > > Mike NT5DX
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6587. Re: [orion565] TenTec and K3 audio.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-11 13:18:41 UTC
From: Bob McGraw - K4TAX
Topic: 6561 Message: 6587

Yes, the line level or AUX output will most likely always produce the best quality audio. That needs to be sent to a good quality audio system or computer soundcard and speaker system.

The area of concern is the audio output stage of the radio and the acoustic interface between the speaker in the radio and the associated space and effective damping in the case. Usually and best described as a small speaker mounted in a metal box with a lot of hard stuff inside. At higher volume levels, output stage distortion, case vibrations and internal rattles contribute to basically distorted sounding audio.

Many radios do not have clean audio output stages and this is largely due to the limited value of power voltage available. The use of output stage internal feedback does contribute to improving the deficiency of the system. The audio output stage performance is easily identified in the published specs or by the ARRL Lab Test results. Just look for the rated output power in watts vs. load impedance {4 ohms} and the resultant distortion product expressed as a percentage. Basically more watts and less distortion is preferable. Even armed with this info, nothing is exposed with regard to how the speaker system performs in the application. Using a suitable external speaker will likely make a nice improvement to the sound.

73
Bob, K4TAX

----- Original Message -----
From: Barry N1EU
To: orion565@yahoogroups.com
Sent: Tuesday, January 11, 2011 4:38 AM
Subject: Re: [orion565] TenTec and K3 audio.

Agreed Bob. I'm suggesting using line-level recovered audio for rig
comparison purposes. I mentioned matching passband response in the test
setup phase to take passband differences out of the equation for A/B
listeners to discern differences/preferences. The passbands of the K3 and
Orion are easily adjusted and can be closely matched.

I typically use quality externally amplified speakers anyway - audio output
stages in hf xcvrs are almost universally mediocre.

73, Barry N1EU

On Tue, Jan 11, 2011 at 3:06 AM, Bob McGraw - K4TAX <RMcGraw@...>wrote:

>
>
> Someone commented about frequency response of the audio systems as related
> to the sound of various radios. Although any two systems may be spectrally
> identical, other factors contribute a significant portion to audio system

> performance and largely what we hear. Those are: THD+n, amplifier slew rate
> limiting, damping factor of the amplifier output stage, and intermodulation
> distortion just to name a few. A simple spectrum analysis with regard to
> frequency response is far from a complete measurement for comparison.
>
> With regard to using "hi fi" speakers on ham radios, typically the audio
> stage of a ham receiver does not have an adequate damping factor for most
> speakers of this type. This usually presents itself as a sloppy or loose
> bottom end sound. Amplifiers that contain a reasonable amount of 3rd and 5th
> order harmonics sound musically better than amplifiers containing 2nd and
> 4th order harmonics of similar magnitude. Amplifier stages with slow slew
> rates will cause higher frequencies to be muffled or muted although
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> of the amplifier. In many cases, an amplifier that does not have a flat
> frequency response may actually sound more pleasing. After all, our ears do
> not respond uniformly with regard to frequency vs. sound level. And then
> finally the acoustic environment in which one is listening contributes as
> well to the overall sound.
>
> Audio is much more complex and involved than many think or understand. But
> hey, it's only audio.
>
> 73
> Bob, K4TAX
>
>
> ----- Original Message -----
> From: Barry N1EU
> To: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> Sent: Monday, January 10, 2011 7:30 PM
> Subject: Re: [orion565] TenTec and K3 audio.
>
> I'm in the process of updating my K3. When it's finished, I'll try and
> produce a high quality A/B recording of K3/Orion after carefully matching
> the passband responses. It would be an interesting experiment to post the
> recording and let everybody listen blindly and vote on whether rig A or rig
> B sounds better and describe what the perceived differences are.
>
> 73, Barry N1EU
>
> On Tue, Jan 11, 2011 at 1:10 AM, k4ten <k4ten@...<k4ten%40yahoo.com>>
> wrote:
>
> >
> > >
> > >
> > >
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> > Frankie
> > K4TEN
> >
> > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com> <orion565%
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> > <brucebeard@...> wrote:
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> 40yahoogroups.com>, "Mike"
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> > <mtcart50@> wrote:
> > > > > >
> > > > > I currently own a Ten-Tec 538 Jupiter and am looking to upgrade to
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6591. Re: TenTec and K3 audio.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-12 18:25:43 UTC
From: k1fpv
Topic: 6561 Message: 6591

I have to agree with you Tom! I feel that way and also use seperate, front facing speakers on all my radios. Counting QRP as well as larger radios including my Orion II, I have 10 radios, all with seperate speakers facing forward.

My 2¢ worth!
Bill/K1FPV

--- In orion565@yahoogroups.com, catfishtwo@... wrote:
>
>
> One thing I have found one thing that helps is using a forward facing
> speaker.
>
> Most of my radios have the small 6 inch or 11 inch radio shack or RCA
> speakers on them these are the metal cases with the perforated metal screens
> in the front. By having them face forward I cam hear them better because
> they are pointed at my ears, and not bouncing off the ceiling first. They
> are also slightly larger than the speakers in the radio (usually) and have
> a bit more base response , which works better for my worn out ears.
>
> I also have several different sets of earphones in the shack for when I
> have a second op, from Heil Proset plus to MFJ to old stereo headsets. I
> usually use the Heil prosets as they seem to work "better " for my hearing
> with the ability to throw them in or out of phase with the little switch.
>
> I normally don't were headsets unless we are doing a multi-op contest,
> or my family is home and they don't want to hear all the racket, Hi hi.
>
> I guess it is a choice of what we like as an individual and waht ever makes
> you happy is best for you. I have 9 hf rigs and they each have their own
> separate speakers attached.
>
> Tom
> N6AJR
>
>
>
>
>
>
>
> In a message dated 1/10/2011 7:06:27 P.M. Pacific Standard Time,
> RMcGraw@... writes:
>
> Someone commented about frequency response of the audio systems as related
> to the sound of various radios. Although any two systems may be

> spectrally identical, other factors contribute a significant portion to audio system
> performance and largely what we hear. Those are: THD+n, amplifier slew
> rate limiting, damping factor of the amplifier output stage, and
> intermodulation distortion just to name a few. A simple spectrum analysis with
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> the acoustic environment in which one is listening contributes as well to
> the overall sound.
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> Audio is much more complex and involved than many think or understand.
> But hey, it's only audio.
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> 73
> Bob, K4TAX
>
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>
> ----- Original Message -----
> From: Barry N1EU
> To: orion565@yahoogroups.com
> Sent: Monday, January 10, 2011 7:30 PM
> Subject: Re: [orion565] TenTec and K3 audio.
>
>
>
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> recording and let everybody listen blindly and vote on whether rig A or rig
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> On Tue, Jan 11, 2011 at 1:10 AM, k4ten <k4ten@...> wrote:
>
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> > I have a K3, Orion II and Omni VII. I too think the TenTecs sound much
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> > Frankie
> > K4TEN
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> > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, "Bruce"
> > <brucebeard@> wrote:
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6592. Any Orion II diversity users out there?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-14 23:22:22 UTC
From: Barry N1EU
Topic: 6592 Message: 6592

If any Orion II owners out there frequently operate the rig in stereo diversity mode please drop me an email off list. I'd like to compare notes.

Thanks & 73,
Barry N1EU
http://n1eu.com/orion/diversity.htm

[Non-text portions of this message have been removed]

6593. Orion 565 looking to buy

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-15 00:35:59 UTC
From: AC2FC
Topic: 6593 Message: 6593

Hi groups,
I want to buy Orion 565(any condition).My email tarniowy@yahoo.com.

Thanks
Arek AC2FC

6594. Re: [orion565] TenTec and K3 audio.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-15 20:47:58 UTC
From: Barry N1EU
Topic: 6561 Message: 6594

Okay, let's put this audio discussion to a test. For anyone game - please
listen to these files:

http://n1eu.com/riga.mp3
http://n1eu.com/rigb.mp3

(sorry about the qrm on first half of riga.mp3)

They're recordings of KW6LA essb signal on 17M through the K3 and Orion with
about 3.4Khz passband and AGC off.

Please send me a private email expressing your opinion on whether one sounds
better than the other and which one. If someone would like less compressed
(i.e., larger) mp3 files or the original .wav files, just let me know.

73,
Barry N1EU

On Tue, Jan 11, 2011 at 1:30 AM, Barry N1EU <barry.n1eu@...> wrote:

> I'm in the process of updating my K3. When it's finished, I'll try and
> produce a high quality A/B recording of K3/Orion after carefully matching
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[Non-text portions of this message have been removed]

6595. Re: [orion565] TenTec and K3 audio.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-15 23:33:26 UTC
From: Barry N1EU
Topic: 6561 Message: 6595

Thanks for the responses I've gotten so far. I looked more closely at the two recordings through spectrum analysis software, and I must report that I suspect KW6LA might have switched EQ or microphones on his TS-870 tx audio between the two recordings ;-(

So that makes an A/B test questionable. I guess the revised question I'd like to pose to listeners is: do either of these recordings sound objectionable in any way and if so, which one and how so?

Some folks have described the K3 audio as harsh, fatiguing, etc compared to the Orion. Are you hearing hints of that in either of these recordings?

Thanks & 73,
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On Sat, Jan 15, 2011 at 8:47 PM, Barry N1EU <barry.n1eu@...> wrote:

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> http://n1eu.com/riga.mp3
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> (sorry about the qrm on first half of riga.mp3)
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> They're recordings of KW6LA essb signal on 17M through the K3 and Orion
> with about 3.4Khz passband and AGC off.
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> Please send me a private email expressing your opinion on whether one
> sounds better than the other and which one. If someone would like less
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[Non-text portions of this message have been removed]

6596. Re: [orion565] TenTec and K3 audio.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-16 00:29:28 UTC
From: Hector Padron
Topic: 6561 Message: 6596

"Some folks have described the K3 audio as harsh, fatiguing, etc compared to
the Orion. Are you hearing hints of that in either of these recordings?"

NO way !! nothing more far than to be harsh or fatiguing,those two recording are nice,clean,smooth,that guy sounded very well in my laptop trough my Yamaha CM500,I actually did not noticed any difference between them,the recordings were done very well,so its out of the question that the K3 sounds bad.It sounds as good as the O2.

AD4C

"If freedom means something,it is the right to tell others what they don't want to hear"
–George Orwell

--- On Sat, 1/15/11, Barry N1EU <barry.n1eu@...> wrote:

From: Barry N1EU <barry.n1eu@...>
Subject: Re: [orion565] TenTec and K3 audio.
To: orion565@yahoogroups.com
Date: Saturday, January 15, 2011, 11:33 PM

Thanks for the responses I've gotten so far. I looked more closely at the
two recordings through spectrum analysis software, and I must report that I
suspect KW6LA might have switched EQ or microphones on his TS-870 tx audio
between the two recordings ;-(

So that makes an A/B test questionable. I guess the revised question I'd
like to pose to listeners is: do either of these recordings sound
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[Non-text portions of this message have been removed]

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6597. Re: [orion565] TenTec and K3 audio.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-16 00:58:15 UTC
From: Barry N1EU
Topic: 6561 Message: 6597

Thanks, keep the responses coming!

I just want to reiterate my last email - please don't just say you prefer recording A over recording B. After looking closely at the recording spectra, I'm fairly certain the operator changed his TX EQ or microphone between the recordings - there is noticeable difference in the bass and upper midrange. So saying you like A over B is really just saying you prefer one TX EQ over the other.

Please listen closely and say whether you hear anything harsh, objectionable, or fatiguing in either recording.

I'll reveal which is which sometime in the next 24 hours.

73, Barry N1EU

On Sat, Jan 15, 2011 at 11:33 PM, Barry N1EU <barry.n1eu@gmail.com> wrote:

> Thanks for the responses I've gotten so far. I looked more closely at the
> two recordings through spectrum analysis software, and I must report that I
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[Non-text portions of this message have been removed]

6598. Re: [orion565] TenTec and K3 audio.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-16 04:45:16 UTC
From: Bob McGraw - K4TAX
Topic: 6561 Message: 6598

This is not an issue of the recording or the audio coming out of the line outputs of the radios. The general fallacy is the method does not capture the audio power amplifier stage and how it responds to the speaker and how the speaker responds in the radio cabinet. Audio recordings from the line level output will not capture this phenomena.

73
Bob, K4TAX

----- Original Message -----
From: Barry N1EU
To: orion565@yahoogroups.com
Sent: Saturday, January 15, 2011 5:33 PM
Subject: Re: [orion565] TenTec and K3 audio.

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> 73,
> Barry N1EU
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> On Tue, Jan 11, 2011 at 1:30 AM, Barry N1EU <barry.n1eu@...> wrote:
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>> On Tue, Jan 11, 2011 at 1:10 AM, k4ten <k4ten@...> wrote:
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>>> I have used many different speakers (Bose Companion II, Klipsch Promedia
>>> 2.1, Klipsch Heresy, Minimus 7, Sounds Sweet, Icom SP20, and more) To me the
>>> TenTecs sound better no matter which speaker is used, no matter what
>>> adjustments were made on the K3. The TenTecs just sound GREAT. The TenTecs
>>> sound better via headphones too. I use a set of Sony MDR-7506s and the
>>> TenTec Model 777 DX PRO headset.
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>>> But.... If I were forced to get rid of one, the K3 would go.
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>>> I think it is hard to beat the TenTecs. Performance, ease of use, quality
>>> of signal (received and transmitted) etc....
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>>> Frankie
>>> K4TEN
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>>> --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, "Bruce"
>>> <brucebeard@...> wrote:
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>>> > Oreradioguy,
>>> > Perhaps your hearing is not what mine is but I know what I hear and I
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>>> that I am somehow in error is a pretty bold statement. Just for the record I
>>> use both external speakers and headphones. Numerous examples of both and I
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>>> my tastes) audio of the K3. Some people think that Bose audio is the best, I
>>> can't help that. Some people say that speaker wire makes no difference; my

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>>> me that because you can't hear what I do, I must be wrong or worse not
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>>> > > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, "Mike"
>>> <mtcart50@> wrote:
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>>> > > > I currently own a Ten-Tec 538 Jupiter and am looking to upgrade to
>>> another Ten-Tec radio. My interests include SSB contesting, Digital Modes ie
>>> PSK31, SSB DX, casual CW contesting, some CW DX and ragchewing. I am 60 yrs
>>> young and computer technology savy and retired. I expect the radio I buy now
>>> will be my last for me so I am looking for recommendations. I plan to stick
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>

[Non-text portions of this message have been removed]

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6599. Re: [orion565] TenTec and K3 audio.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-16 11:48:28 UTC
From: Barry N1EU
Topic: 6561 Message: 6599

These recordings were from the headphone output of both radios.

Barry N1EU

On Sun, Jan 16, 2011 at 4:45 AM, Bob McGraw - K4TAX <RMcGraw@...>wrote:

>
>
> This is not an issue of the recording or the audio coming out of the line
> outputs of the radios. The general fallacy is the method does not capture
> the audio power amplifier stage and how it responds to the speaker and how
> the speaker responds in the radio cabinet. Audio recordings from the line
> level output will not capture this phenomena.
>
>
> 73
> Bob, K4TAX
>
> ----- Original Message -----
> From: Barry N1EU
> To: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> Sent: Saturday, January 15, 2011 5:33 PM
> Subject: Re: [orion565] TenTec and K3 audio.
>
> Thanks for the responses I've gotten so far. I looked more closely at the
> two recordings through spectrum analysis software, and I must report that I
> suspect KW6LA might have switched EQ or microphones on his TS-870 tx audio
> between the two recordings ;-(
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> So that makes an A/B test questionable. I guess the revised question I'd
> like to pose to listeners is: do either of these recordings sound
> objectionable in any way and if so, which one and how so?
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> Some folks have described the K3 audio as harsh, fatiguing, etc compared to
> the Orion. Are you hearing hints of that in either of these recordings?
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> Thanks & 73,
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> On Sat, Jan 15, 2011 at 8:47 PM, Barry N1EU <barry.n1eu@...<barry.n1eu%40gmail.com>>
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> > Okay, let's put this audio discussion to a test. For anyone game - please
> > listen to these files:
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> > http://n1eu.com/riga.mp3

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> > (sorry about the qrm on first half of riga.mp3)
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> > They're recordings of KW6LA essb signal on 17M through the K3 and Orion
> > with about 3.4Khz passband and AGC off.
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> > sounds better than the other and which one. If someone would like less
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6600. Re: [orion565] TenTec and K3 audio.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-16 12:35:32 UTC
From: Barry N1EU
Topic: 6561 Message: 6600

Thanks to everyone who participated. Like I said, it was a flawed test and perhaps I'll do new recordings splitting the antenna and recording simultaneously on both radios.

Despite the flaws, I find it interesting. I would have guessed that there wouldn't be much of a preference between the two. But to my surprise, there was a significant preference expressed for rig A:

6 votes for rig A
1 vote for rig B
3 no preference

Yes, rig A was the Orion and rig B was the K3 (with all audio/dsp updates).

Thanks again & 73,
Barry N1EU

On Sun, Jan 16, 2011 at 12:58 AM, Barry N1EU <barry.n1eu@gmail.com> wrote:

> Thanks, keep the responses coming!
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> I just want to reiterate my last email - please don't just say you prefer
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[Non-text portions of this message have been removed]

6601. Re: TenTec and K3 audio.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-16 13:12:52 UTC
From: Bruce
Topic: 6561 Message: 6601

I've said it from the moment I first turned on my Orion II one year ago today, this is what I'm looking for. I never looked back, sold the K3 and I don't miss it.
The other radios I liked listening to where the Kenwood TS-590 and the Yaesu FT DX 5000. I had just a short time with each but it seemed that the audio was nice.
I really need to find a smooth old tube radio to play with as I understand that some of these represent the ultimate in audio, hmmm, might be interesting.
BB

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
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> Thanks to everyone who participated. Like I said, it was a flawed test and
> perhaps I'll do new recordings splitting the antenna and recording
> simultaneously on both radios.
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> Despite the flaws, I find it interesting. I would have guessed that there
> wouldn't be much of a preference between the two. But to my surprise, there
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> 6 votes for rig A
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> >>> On Tue, Jan 11, 2011 at 1:30 AM, Barry N1EU <barry.n1eu@...>wrote:
> >>>
> >>>> I'm in the process of updating my K3. When it's finished, I'll try and
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> >>>> the passband responses. It would be an interesting experiment to post the
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> >>>>

> >>>> 73, Barry N1EU
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> >>>>
> >>>> On Tue, Jan 11, 2011 at 1:10 AM, k4ten <k4ten@...> wrote:
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> >>>>>
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> >>>>> I have a K3, Orion II and Omni VII. I too think the TenTecs sound much
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> >>>>> I have used many different speakers (Bose Companion II, Klipsch
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> >>>>> To me the TenTecs sound better no matter which speaker is used, no matter
> >>>>> what adjustments were made on the K3. The TenTecs just sound GREAT. The
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> >>>>> I think it is hard to beat the TenTecs. Performance, ease of use,
> >>>>> quality of signal (received and transmitted) etc....
> >>>>>
> >>>>> Frankie
> >>>>> K4TEN
> >>>>>
> >>>>> --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, "Bruce"
> >>>>> <brucebeard@> wrote:
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> >>>>> > Oreradioguy,
> >>>>> > Perhaps your hearing is not what mine is but I know what I hear and I
> >>>>> know what I like. I do not like the audio of the Elecraft K3. To suggest
> >>>>> that I am somehow in error is a pretty bold statement. Just for the record I
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> >>>>> > Bruce
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> >>>>> > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>,
> >>>>> "oreradioguy" <kd7rj@> wrote:
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> >>>>> not sound good is due to the operator and not the radio. I think you must
> >>>>> use good speakers and a good microphone and that you need to know how to
> >>>>> adjust the equalization of the transmit audio to get the desired results.
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> >>>>> transmit and receive built in. I think both of these would be a good choice
> >>>>> and its really a matter of your own preference and comfort level. But with
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> >>>>> performance.
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> >>>>> ie PSK31, SSB DX, casual CW contesting, some CW DX and ragchewing. I am 60
> >>>>> yrs young and computer technology savy and retired. I expect the radio I buy
> >>>>> now will be my last for me so I am looking for recommendations. I plan to
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> [Non-text portions of this message have been removed]
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6602. Re: [orion565] Re: TenTec and K3 audio.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-16 23:40:12 UTC
From: Hector Padron
Topic: 6561 Message: 6602

Bruce if you want to experiment with old tube type radios that have a good audio quality you have no choice other than to buy yourself a Collins,be a KWM-2A or the matched pair of 75S3 RX and 32S3 TX,I owned them many years ago and they had very sweet clear smooth audio in spite of no tools at all to fight against QRM.

AD4C

"If freedom means something,it is the right to tell others what they don't want to hear" –George Orwell

--- On Sun, 1/16/11, Bruce <brucebeard@...> wrote:

From: Bruce <brucebeard@...>
Subject: [orion565] Re: TenTec and K3 audio.
To: orion565@yahoogroups.com
Date: Sunday, January 16, 2011, 1:12 PM

I've said it from the moment I first turned on my Orion II one year ago today, this is what I'm looking for. I never looked back, sold the K3 and I don't miss it.
The other radios I liked listening to where the Kenwood TS-590 and the Yaesu FT DX 5000. I had just a short time with each but it seemed that the audio was nice.
I really need to find a smooth old tube radio to play with as I understand that some of these represent the ultimate in audio, hmmm, might be interesting.
BB

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
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> Thanks to everyone who participated. Like I said, it was a flawed test and
> perhaps I'll do new recordings splitting the antenna and recording
> simultaneously on both radios.
>
> Despite the flaws, I find it interesting. I would have guessed that there
> wouldn't be much of a preference between the two. But to my surprise, there
> was a significant preference expressed for rig A:
>
> 6 votes for rig A
> 1 vote for rig B
> 3 no preference
>
> Yes, rig A was the Orion and rig B was the K3 (with all audio/dsp updates).
>
> Thanks again & 73,
> Barry N1EU
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> On Sun, Jan 16, 2011 at 12:58 AM, Barry N1EU <barry.n1eu@...> wrote:
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> > Thanks, keep the responses coming!
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> > I just want to reiterate my last email - please don't just say you prefer
> > recording A over recording B. After looking closely at the recording
> > spectra, I'm fairly certain the operator changed his TX EQ or microphone
> > between the recordings - there is noticeable difference in the bass and
> > upper midrange. So saying you like A over B is really just saying you
> > prefer one TX EQ over the other.
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> > Please listen closely and say whether you hear anything harsh,
> > objectionable, or fatiguing in either recording.
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> > I'll reveal which is which sometime in the next 24 hours.
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> > On Sat, Jan 15, 2011 at 11:33 PM, Barry N1EU <barry.n1eu@...> wrote:
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> >> Thanks for the responses I've gotten so far. I looked more closely at the
> >> two recordings through spectrum analysis software, and I must report that I
> >> suspect KW6LA might have switched EQ or microphones on his TS-870 tx audio
> >> between the two recordings ;-(
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> >> So that makes an A/B test questionable. I guess the revised question I'd
> >> like to pose to listeners is: do either of these recordings sound
> >> objectionable in any way and if so, which one and how so?
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> >> to the Orion. Are you hearing hints of that in either of these recordings?
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> >>> please listen to these files:
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> >>> http://n1eu.com/riga.mp3
> >>> http://n1eu.com/rigb.mp3
> >>>
> >>> (sorry about the qrm on first half of riga.mp3)
> >>>
> >>> They're recordings of KW6LA essb signal on 17M through the K3 and Orion
> >>> with about 3.4Khz passband and AGC off.
> >>>
> >>> Please send me a private email expressing your opinion on whether one
> >>> sounds better than the other and which one. If someone would like less

> >>> compressed (i.e., larger) mp3 files or the original .wav files, just let me
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6603. Re: TenTec and K3 audio.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-17 00:04:08 UTC
From: Bruce
Topic: 6561 Message: 6603

Hector,
You are no less than the 3rd person today who has mentioned that I should try radio! I can feel a new acquisition shaping up here. The only problem is that I am right in the middle of a new tower/yagi installation and my "radio budget" is pretty severly depleated. I'll begin with a little on line education as I think I'd like to play with one.
73,
BB

--- In orion565@yahoogroups.com, Hector Padron <ad4c2008@...> wrote:
>
> Bruce if you want to experiment with old tube type radios that have a good audio quality you have no choice other than to buy yourself a Collins,be a KWM-2A or the matched pair of 75S3 RX and 32S3 TX,I owned them many years ago and they had very sweet clear smooth audio in spite of no tools at all to fight against QRM.
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> To: orion565@yahoogroups.com
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> > >>>>> performance.
> > >>>>> > >
> > >>>>> > > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>,
> > >>>>> "Mike" <mtcart50@> wrote:
> > >>>>> > > >
> > >>>>> > > > I currently own a Ten-Tec 538 Jupiter and am looking to upgrade
> > >>>>> to another Ten-Tec radio. My interests include SSB contesting, Digital Modes
> > >>>>> ie PSK31, SSB DX, casual CW contesting, some CW DX and ragchewing. I am 60
> > >>>>> yrs young and computer technology savy and retired. I expect the radio I buy
> > >>>>> now will be my last for me so I am looking for recommendations. I plan to
> > >>>>> stick with Ten-Tec, so, Omni, Omni II, Orion VII, Eagle? I am open to new or
> > >>>>> very good used rig. The only other rig I have even considered is Elecraft's
> > >>>>> K3 but I'm really partial to Ten-Tec.
> > >>>>> > > >
> > >>>>> > > > Please help me with ideas for my "last" HF rig.
> > >>>>> > > > 73,
> > >>>>> > > >
> > >>>>> > > > Mike NT5DX
> > >>>>> > > >
> > >>>>> > > >
> > >>>>> > >
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>
>
> [Non-text portions of this message have been removed]
>

6604. Re: [orion565] Re: TenTec and K3 audio.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-17 05:00:47 UTC
From: Hector Padron
Topic: 6561 Message: 6604

Well then finish first your project with the tower and beam antenna and when that be done,start saving some extra bucks to buy a Collins radio,I will recomend the KWM-2A but be aware those are antiques very much wanted all over the world specially by the JA hams so tnat means their price is high,always over a thousand bucks,just check daily on qth.com under the section "HF radios" and you will see almost none but when they show up the price is high.One of the radios in the world that are the most quite are Collins,you will love them.Good luck,73

Hector

"If freedom means something,it is the right to tell others what they don't want to hear"
–George Orwell

--- On Mon, 1/17/11, Bruce <brucebeard@...> wrote:

From: Bruce <brucebeard@...>
Subject: [orion565] Re: TenTec and K3 audio.
To: orion565@yahoogroups.com
Date: Monday, January 17, 2011, 12:04 AM

Hector,
You are no less than the 3rd person today who has mentioned that I should try radio! I can feel a new acquisition shaping up here. The only problem is that I am right in the middle of a new tower/yagi installation and my "radio budget" is pretty severly depleated. I'll begin with a little on line education as I think I'd like to play with one.
73,
BB

--- In orion565@yahoogroups.com, Hector Padron <ad4c2008@...> wrote:
>
> Bruce if you want to experiment with old tube type radios that have a good audio quality you have no choice other than to buy yourself a Collins,be a KWM-2A or the matched pair of 75S3 RX and 32S3 TX,I owned them many years ago and they had very sweet clear smooth audio in spite of no tools at all to fight against QRM.
> Â
> AD4C
> Â
>
>
> "If freedom means something,it is the right to tell others what they don't want to hear"
â€"George Orwell
>
> --- On Sun, 1/16/11, Bruce <brucebeard@...> wrote:
>
>
> From: Bruce <brucebeard@...>

> Subject: [orion565] Re: TenTec and K3 audio.
> To: orion565@yahoogroups.com
> Date: Sunday, January 16, 2011, 1:12 PM
>
>
> Â
>
>
>
> I've said it from the moment I first turned on my Orion II one year ago today, this is what I'm looking for. I never looked back, sold the K3 and I don't miss it.
> The other radios I liked listening to where the Kenwood TS-590 and the Yaesu FT DX 5000. I had just a short time with each but it seemed that the audio was nice.
> I really need to find a smooth old tube radio to play with as I understand that some of these represent the ultimate in audio, hmmm, might be interesting.
> BB
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> >
> > Thanks to everyone who participated. Like I said, it was a flawed test and
> > perhaps I'll do new recordings splitting the antenna and recording
> > simultaneously on both radios.
> >
> > Despite the flaws, I find it interesting. I would have guessed that there
> > wouldn't be much of a preference between the two. But to my surprise, there
> > was a significant preference expressed for rig A:
> >
> > 6 votes for rig A
> > 1 vote for rig B
> > 3 no preference
> >
> > Yes, rig A was the Orion and rig B was the K3 (with all audio/dsp updates).
> >
> > Thanks again & 73,
> > Barry N1EU
> >
> > On Sun, Jan 16, 2011 at 12:58 AM, Barry N1EU <barry.n1eu@> wrote:
> >
> > > Thanks, keep the responses coming!
> > >
> > > I just want to reiterate my last email - please don't just say you prefer
> > > recording A over recording B. After looking closely at the recording
> > > spectra, I'm fairly certain the operator changed his TX EQ or microphone
> > > between the recordings - there is noticeable difference in the bass and
> > > upper midrange. So saying you like A over B is really just saying you
> > > prefer one TX EQ over the other.
> > >
> > > Please listen closely and say whether you hear anything harsh,
> > > objectionable, or fatiguing in either recording.
> > >

> > > I'll reveal which is which sometime in the next 24 hours.
> > >
> > > 73, Barry N1EU
> > >
> > >
> > > On Sat, Jan 15, 2011 at 11:33 PM, Barry N1EU <barry.n1eu@> wrote:
> > >
> > >> Thanks for the responses I've gotten so far. I looked more closely at the
> > >> two recordings through spectrum analysis software, and I must report that I
> > >> suspect KW6LA might have switched EQ or microphones on his TS-870 tx audio
> > >> between the two recordings ;-(
> > >>
> > >> So that makes an A/B test questionable. I guess the revised question I'd
> > >> like to pose to listeners is: do either of these recordings sound
> > >> objectionable in any way and if so, which one and how so?
> > >>
> > >> Some folks have described the K3 audio as harsh, fatiguing, etc compared
> > >> to the Orion. Are you hearing hints of that in either of these recordings?
> > >>
> > >> Thanks & 73,
> > >> Barry N1EU
> > >>
> > >>
> > >> On Sat, Jan 15, 2011 at 8:47 PM, Barry N1EU <barry.n1eu@> wrote:
> > >>
> > >>> Okay, let's put this audio discussion to a test. For anyone game -
> > >>> please listen to these files:
> > >>>
> > >>> http://n1eu.com/riga.mp3
> > >>> http://n1eu.com/rigb.mp3
> > >>>
> > >>> (sorry about the qrm on first half of riga.mp3)
> > >>>
> > >>> They're recordings of KW6LA essb signal on 17M through the K3 and Orion
> > >>> with about 3.4Khz passband and AGC off.
> > >>>
> > >>> Please send me a private email expressing your opinion on whether one
> > >>> sounds better than the other and which one. If someone would like less
> > >>> compressed (i.e., larger) mp3 files or the original .wav files, just let me
> > >>> know.
> > >>>
> > >>> 73,
> > >>> Barry N1EU
> > >>>
> > >>> On Tue, Jan 11, 2011 at 1:30 AM, Barry N1EU <barry.n1eu@>wrote:
> > >>>
> > >>>> I'm in the process of updating my K3. When it's finished, I'll try and
> > >>>> produce a high quality A/B recording of K3/Orion after carefully matching
> > >>>> the passband responses. It would be an interesting experiment to post the
> > >>>> recording and let everybody listen blindly and vote on whether rig A or rig

> > >>>> B sounds better and describe what the perceived differences are.
> > >>>>
> > >>>> 73, Barry N1EU
> > >>>>
> > >>>>
> > >>>> On Tue, Jan 11, 2011 at 1:10 AM, k4ten <k4ten@> wrote:
> > >>>>
> > >>>>>
> > >>>>>
> > >>>>>
> > >>>>>
> > >>>>> I have a K3, Orion II and Omni VII. I too think the TenTecs sound much
> > >>>>> better! (My K3 has the old DSP board in it though.)
> > >>>>>
> > >>>>> I have used many different speakers (Bose Companion II, Klipsch
> > >>>>> Promedia 2.1, Klipsch Heresy, Minimus 7, Sounds Sweet, Icom SP20, and more)
> > >>>>> To me the TenTecs sound better no matter which speaker is used, no matter
> > >>>>> what adjustments were made on the K3. The TenTecs just sound GREAT. The
> > >>>>> TenTecs sound better via headphones too. I use a set of Sony MDR-7506s and
> > >>>>> the TenTec Model 777 DX PRO headset.
> > >>>>>
> > >>>>> I don't plan on getting rid of the K3, it is a very nice radio for
> > >>>>> sure. But.... If I were forced to get rid of one, the K3 would go.
> > >>>>>
> > >>>>> I think it is hard to beat the TenTecs. Performance, ease of use,
> > >>>>> quality of signal (received and transmitted) etc....
> > >>>>>
> > >>>>> Frankie
> > >>>>> K4TEN
> > >>>>>
> > >>>>> --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, "Bruce"
> > >>>>> <brucebeard@> wrote:
> > >>>>> >
> > >>>>> > Oreradioguy,
> > >>>>> > Perhaps your hearing is not what mine is but I know what I hear and I
> > >>>>> know what I like. I do not like the audio of the Elecraft K3. To suggest
> > >>>>> that I am somehow in error is a pretty bold statement. Just for the record I
> > >>>>> use both external speakers and headphones. Numerous examples of both and I
> > >>>>> could not find a combination that I felt helped the obviously inferior (for
> > >>>>> my tastes) audio of the K3. Some people think that Bose audio is the best, I
> > >>>>> can't help that. Some people say that speaker wire makes no difference; my
> > >>>>> answer is that if you can't hear it, don't buy it. Please though don't tell
> > >>>>> me that because you can't hear what I do, I must be wrong or worse not
> > >>>>> understand what I am hearing. I really wanted to love my K3, I built it from
> > >>>>> a kit, I studied the manual, I bragged about the receiver's performance, I
> > >>>>> read the reflector and I just lived and breathed the K3. In the end the
> > >>>>> audio gave me a headache even after replacing the DSP board with a rev C
> > >>>>> version. I am fine with the idea that other people hear it differently than
> > >>>>> I do but to suggest that it is somehow my lack of understanding is just
> > >>>>> Ã¢â‚¬Â¦...really thoughtless.

> > >>>>> > 73
> > >>>>> > Bruce
> > >>>>>
> > >>>>> >
> > >>>>> > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>,
> > >>>>> "oreradioguy" <kd7rj@> wrote:
> > >>>>> > >
> > >>>>> > > Well I think I will throw my 2 cents into this. I use mainly CW and
> > >>>>> SSB. I have both an Orion ll and a Elecraft K3 fully loaded on both. I
> > >>>>> disagree that the audio quality is not good on a K3. The reason some k3's do
> > >>>>> not sound good is due to the operator and not the radio. I think you must
> > >>>>> use good speakers and a good microphone and that you need to know how to
> > >>>>> adjust the equalization of the transmit audio to get the desired results.
> > >>>>> Both radios are outstanding radios however, the K3 seems more state of the
> > >>>>> art and gets lots of firmware updates on a regular basis. The Orion is
> > >>>>> easier to learn than the K3 IMHO. The second receiver in the K3 is by far
> > >>>>> much better than the second receiver in a Orion ll. Customer service is good
> > >>>>> on both radios and considered outstanding as provided by Elecraft. I use top
> > >>>>> quality microphones on both, a Heil PR30 on the K3 and a Electrovoice RE27ND
> > >>>>> and W2IHY boxes on the Orion ll. For speakers I use Voicemaster Pro
> > >>>>> communications speakers. These additions yield outstanding audio. No audio
> > >>>>> boxes are needed on a K3 as it already has 8 band equalizers for both
> > >>>>> transmit and receive built in. I think both of these would be a good choice
> > >>>>> and its really a matter of your own preference and comfort level. But with
> > >>>>> either radio you should plan on adding some add ons to get top quality audio
> > >>>>> performance.
> > >>>>> > >
> > >>>>> > > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>,
> > >>>>> "Mike" <mtcart50@> wrote:
> > >>>>> > > >
> > >>>>> > > > I currently own a Ten-Tec 538 Jupiter and am looking to upgrade
> > >>>>> to another Ten-Tec radio. My interests include SSB contesting, Digital Modes
> > >>>>> ie PSK31, SSB DX, casual CW contesting, some CW DX and ragchewing. I am 60
> > >>>>> yrs young and computer technology savy and retired. I expect the radio I buy
> > >>>>> now will be my last for me so I am looking for recommendations. I plan to
> > >>>>> stick with Ten-Tec, so, Omni, Omni II, Orion VII, Eagle? I am open to new or
> > >>>>> very good used rig. The only other rig I have even considered is Elecraft's
> > >>>>> K3 but I'm really partial to Ten-Tec.
> > >>>>> > > >
> > >>>>> > > > Please help me with ideas for my "last" HF rig.
> > >>>>> > > > 73,
> > >>>>> > > >
> > >>>>> > > > Mike NT5DX
> > >>>>> > > >
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6605. Which one? Orion or Eagle

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-17 20:42:25 UTC
From: pulsekeeper1
Topic: 6605 Message: 6605

I am contemplating what my next rig might be. I would appreciate feedback from the group given the price of a used Orion vs an Eagle and the performance and features of each. What are your recommendations?

Charlie, WE4CW

6606. Re: [orion565] Which one? Orion or Eagle

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-17 21:59:01 UTC
From: John Huffman
Topic: 6605 Message: 6606

Charlie -

Impossible to answer. Car metaphor - Would you rather have a nice high performance sedan (Eagle) or a sophisticated long-haul semi tractor with tons of gears, controls, capabilities (Orion)? One is easy to use, the other is more capable in particular situations, but needs a skilled driver.

Since you are asking, I'm assuming you don't need or want that sophistication. Go with the Eagle.

73 de K1ESE
John

On 1/17/2011 3:42 PM, pulsekeeper1 wrote:
>
> I am contemplating what my next rig might be. I would appreciate
> feedback from the group given the price of a used Orion vs an Eagle
> and the performance and features of each. What are your recommendations?
>
> Charlie, WE4CW
>
>

[Non-text portions of this message have been removed]

6608. Re: [orion565] Which one? Orion or Eagle

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-17 23:26:28 UTC
From: K Van Horn
Topic: 6605 Message: 6608

☐Charlie,

I have the Eagle as well as 2 Orion 2s. All are GREAT radios! So the answer depends on what you plan to use it for. If it is your main home station rig, Orion 2 should be the choice. If it is a back up rig or a mobile rig then the Eagle should be the choice. The O2 has more filter choices and bells and whistles and the firmware is very stable. The Eagle is new, has less filter choices and has a receiver to die for like the O2 main rcvr. The O2 sub receiver is fine for an up conversion receiver, but it is NOT the equal of the MAIN O2 receiver. The Eagle only has an excellent main receiver.....no sub receiver.....but it is less expensive!!

73 es Gud DX,
Kirby, K7EC

From: pulsekeeper1
Sent: Monday, January 17, 2011 1:42 PM
To: orion565@yahoogroups.com
Subject: [orion565] Which one? Orion or Eagle

I am contemplating what my next rig might be. I would appreciate feedback from the group given the price of a used Orion vs an Eagle and the performance and features of each. What are your recommendations?

Charlie, WE4CW

[Non-text portions of this message have been removed]

6609. Re: Which one? Orion or Eagle

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-17 23:46:01 UTC
From: pulsekeeper1
Topic: 6605 Message: 6609

This has all been great food for thought. I do not contest other than give contesters a contact. I do like to chase a little DX and ragchew. I do not forsee operating remote or taking it to field day and seldom have any guest operators. I still have my Omni 6 option 3 but would like to do a little update. I do not work 6 mtrs. I will do some digital and am looking to restart CW after a 30 yr. sleep. The new baby stays at home, the Omni 6 can deal with the field and play backup.

Charlie, WE4CW

--- In orion565@yahoogroups.com, "K Van Horn" <k7ec@...> wrote:
>
> ï»¿Charlie,
>
> I have the Eagle as well as 2 Orion 2s. All are GREAT radios! So the answer depends on what you plan to use it for. If it is your main home station rig, Orion 2 should be the choice. If it is a back up rig or a mobile rig then the Eagle should be the choice. The O2 has more filter choices and bells and whistles and the firmware is very stable. The Eagle is new, has less filter choices and has a receiver to die for like the O2 main rcvr. The O2 sub receiver is fine for an up conversion receiver, but it is NOT the equal of the MAIN O2 receiver. The Eagle only has an excellent main receiver.....no sub receiver......but it is less expensive!!
>
> 73 es Gud DX,
> Kirby, K7EC
>
> From: pulsekeeper1
> Sent: Monday, January 17, 2011 1:42 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Which one? Orion or Eagle
>
>
> I am contemplating what my next rig might be. I would appreciate feedback from the group given the price of a used Orion vs an Eagle and the performance and features of each. What are your recommendations?
>
> Charlie, WE4CW
>
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> [Non-text portions of this message have been removed]
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6610. Re: [orion565] Which one? Orion or Eagle

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-18 01:28:02 UTC
From: Hector Padron
Topic: 6605 Message: 6610

Man,that is not a brainer,of course the best radio among those two is the Orion II in all aspects,better selectivity,second receiver,better audio quality,etc etc etc,you can find a decent O2 used without a tuner at qth.com for around $2700 to $3000. I got mine last month,like mint condition with no tuner but all the roofers and a nice base mic for just $2750,go for it !!

AD4C

"If freedom means something,it is the right to tell others what they don't want to hear"
-George Orwell

--- On Mon, 1/17/11, pulsekeeper1 <crollack@...> wrote:

From: pulsekeeper1 <crollack@...>
Subject: [orion565] Which one? Orion or Eagle
To: orion565@yahoogroups.com
Date: Monday, January 17, 2011, 8:42 PM

I am contemplating what my next rig might be. I would appreciate feedback from the group given the price of a used Orion vs an Eagle and the performance and features of each. What are your recommendations?

Charlie, WE4CW

[Non-text portions of this message have been removed]

6612. Re: [orion565] Which one? Orion or Eagle

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-18 04:06:34 UTC
From: tnnyswy@yahoo.com
Topic: 6605 Message: 6612

>> Man,that is not a brainer,of course the best radio among those two is the Orion II <<

I could not have said it any better!

Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: Hector Padron <ad4c2008@...>
Sender: orion565@yahoogroups.com
Date: Mon, 17 Jan 2011 17:28:02
To: <orion565@yahoogroups.com>
Reply-To: orion565@yahoogroups.com
Subject: Re: [orion565] Which one? Orion or Eagle

Man,that is not a brainer,of course the best radio among those two is the Orion II in all aspects,better selectivity,second receiver,better audio quality,etc etc etc,you can find a decent O2 used without a tuner at qth.com for around $2700 to $3000. I got mine last month,like mint condition with no tuner but all the roofers and a nice base mic for just $2750,go for it !!

AD4C

"If freedom means something,it is the right to tell others what they don't want to hear"
-George Orwell

--- On Mon, 1/17/11, pulsekeeper1 <crollack@...> wrote:

From: pulsekeeper1 <crollack@...>
Subject: [orion565] Which one? Orion or Eagle
To: orion565@yahoogroups.com
Date: Monday, January 17, 2011, 8:42 PM

I am contemplating what my next rig might be. I would appreciate feedback from the group given the price of a used Orion vs an Eagle and the performance and features of each. What are your recommendations?

Charlie, WE4CW

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6613. Re: [orion565] Which one? Orion or Eagle

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-18 12:05:52 UTC
From: Barry N1EU
Topic: 6605 Message: 6613

Except that the choice was between an Eagle and Orion, not Orion II

" I would appreciate feedback from the group given the price of a used Orion vs an Eagle and the performance and features of each. What are your recommendations?"

On Tue, Jan 18, 2011 at 4:06 AM, <tnnyswy@...> wrote:

>
>
> >> Man,that is not a brainer,of course the best radio among those two is
> the Orion II <<
>
> I could not have said it any better!
>
> Sent from my Verizon Wireless BlackBerry
>
> -----Original Message-----
> From: Hector Padron <ad4c2008@... <ad4c2008%40yahoo.com>>
> Sender: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> Date: Mon, 17 Jan 2011 17:28:02
> To: <orion565@yahoogroups.com <orion565%40yahoogroups.com>>
> Reply-To: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> Subject: Re: [orion565] Which one? Orion or Eagle
>
> Man,that is not a brainer,of course the best radio among those two is the
> Orion II in all aspects,better selectivity,second receiver,better audio
> quality,etc etc etc,you can find a decent O2 used without a tuner at
> qth.com for around $2700 to $3000. I got mine last month,like mint
> condition with no tuner but all the roofers and a nice base mic for just
> $2750,go for it !!
>
> AD4C
>
>
>
> "If freedom means something,it is the right to tell others what they don't
> want to hear" -George Orwell
>
> --- On Mon, 1/17/11, pulsekeeper1 <crollack@gmail.com<crollack%40gmail.com>>
> wrote:
>
>
> From: pulsekeeper1 <crollack@gmail.com <crollack%40gmail.com>>
> Subject: [orion565] Which one? Orion or Eagle
> To: orion565@yahoogroups.com <orion565%40yahoogroups.com>

> Date: Monday, January 17, 2011, 8:42 PM
>
>
>
>
>
>
> I am contemplating what my next rig might be. I would appreciate feedback
> from the group given the price of a used Orion vs an Eagle and the
> performance and features of each. What are your recommendations?
>
> Charlie, WE4CW
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6614. Re: [orion565] Which one? Orion or Eagle

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-18 16:27:08 UTC
From: Jim Koshmider
Topic: 6605 Message: 6614

Except for the color display and six meter coverage, is there really that much difference between the Orion and the Orion2...? { Plus, the Orion can be easily modified to accept V.2 firmware. }

73,

Jim, K8OZ

--- On Tue, 1/18/11, Barry N1EU <barry.n1eu@...> wrote:

From: Barry N1EU <barry.n1eu@gmail.com>
Subject: Re: [orion565] Which one? Orion or Eagle
To: orion565@yahoogroups.com
Date: Tuesday, January 18, 2011, 7:05 AM

Except that the choice was between an Eagle and Orion, not Orion II

" I would appreciate feedback from the group given the price of a used Orion vs an Eagle and the performance and features of each. What are your recommendations?"

On Tue, Jan 18, 2011 at 4:06 AM, <tnnyswy@...> wrote:

>
>
> >> Man,that is not a brainer,of course the best radio among those two is
> the Orion II <<
>
> I could not have said it any better!
>
> Sent from my Verizon Wireless BlackBerry
>
> -----Original Message-----
> From: Hector Padron <ad4c2008@... <ad4c2008%40yahoo.com>>
> Sender: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> Date: Mon, 17 Jan 2011 17:28:02
> To: <orion565@yahoogroups.com <orion565%40yahoogroups.com>>
> Reply-To: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> Subject: Re: [orion565] Which one? Orion or Eagle
>
> Man,that is not a brainer,of course the best radio among those two is the
> Orion II in all aspects,better selectivity,second receiver,better audio
> quality,etc etc etc,you can find a decent O2 used without a tuner at
> qth.com for around $2700 to $3000. I got mine last month,like mint
> condition with no tuner but all the roofers and a nice base mic for just
> $2750,go for it !!
>

> AD4C
>
>
>
> "If freedom means something,it is the right to tell others what they don't
> want to hear" –George Orwell
>
> --- On Mon, 1/17/11, pulsekeeper1 <crollack@...<crollack%40gmail.com>>
> wrote:
>
>
> From: pulsekeeper1 <crollack@... <crollack%40gmail.com>>
> Subject: [orion565] Which one? Orion or Eagle
> To: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> Date: Monday, January 17, 2011, 8:42 PM
>
>
>
>
>
>
> I am contemplating what my next rig might be. I would appreciate feedback
> from the group given the price of a used Orion vs an Eagle and the
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>
> Charlie, WE4CW
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6615. Re: [orion565] Which one? Orion or Eagle

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-18 16:43:21 UTC
From: Larry
Topic: 6605 Message: 6615

Jim et all:

I purchased an Orion several weeks ago and after playing with the Orion for a few weeks, I just ordered and received an Orion II. If you blindfolded me, so I couldn't see the display, I'd have a hard time telling if it was the Orion or the Orion II that I was using. It is a top drawer transceiver and not at all hard to get to know. A good used Orion with all of the optional roofing filters can be had for the same or less than the Eagle. I would say that there is no (absolutely NO) question which one I'd spend my money on! - Larry W8ER

Jim Koshmider wrote:
>
>
> Except for the color display and six meter coverage, is there really
> that much difference between the Orion and the Orion2...? { Plus,
> the Orion can be easily modified to accept V.2 firmware. }
>
> 73,
>
> Jim, K8OZ
>
> --- On Tue, 1/18/11, Barry N1EU <barry.n1eu@...
> <mailto:barry.n1eu%40gmail.com>> wrote:
>
> From: Barry N1EU <barry.n1eu@... <mailto:barry.n1eu%40gmail.com>>
> Subject: Re: [orion565] Which one? Orion or Eagle
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Date: Tuesday, January 18, 2011, 7:05 AM
>
>
>
> Except that the choice was between an Eagle and Orion, not Orion II
>
> " I would appreciate feedback from the group given the price of a used
> Orion
> vs an Eagle and the performance and features of each. What are your
> recommendations?"
>
> On Tue, Jan 18, 2011 at 4:06 AM, <tnnyswy@...
> <mailto:tnnyswy%40yahoo.com>> wrote:
>
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> > >> Man,that is not a brainer,of course the best radio among those two is

> > the Orion II <<
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> > I could not have said it any better!
> >
> > Sent from my Verizon Wireless BlackBerry
> >
> > -----Original Message-----
> > From: Hector Padron <ad4c2008@...
> <mailto:ad4c2008%40yahoo.com> <ad4c2008%40yahoo.com>>
> > Sender: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <orion565%40yahoogroups.com>
> > Date: Mon, 17 Jan 2011 17:28:02
> > To: <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <orion565%40yahoogroups.com>>
> > Reply-To: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com> <orion565%40yahoogroups.com>
> > Subject: Re: [orion565] Which one? Orion or Eagle
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> > Man,that is not a brainer,of course the best radio among those two
> is the
> > Orion II in all aspects,better selectivity,second receiver,better audio
> > quality,etc etc etc,you can find a decent O2 used without a tuner at
> > qth.com for around $2700 to $3000. I got mine last month,like mint
> > condition with no tuner but all the roofers and a nice base mic for just
> > $2750,go for it !!
> >
> > AD4C
> >
> >
> >
> > "If freedom means something,it is the right to tell others what they
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> > Subject: [orion565] Which one? Orion or Eagle
> > To: orion565@yahoogroups..com <mailto:orion565%40yahoogroups.com>
> <orion565%40yahoogroups.com>
> > Date: Monday, January 17, 2011, 8:42 PM
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> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 10.0.1191 / Virus Database: 1435/3388 - Release Date: 01/18/11
>

6616. Re: Which one? Orion or Eagle

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-18 17:15:26 UTC
From: pulsekeeper1
Topic: 6605 Message: 6616

My thanks to all of you for the time and consideration you took to answer my question. I believe an Orion or Orion II would better serve me for what I have in mind. This will be a rig for the house and one I can grow with. Although, I live in the country now I am expecting to move back into the city environment with many hams in close proximity of each other. I read the manual for the Eagle and I would dearly miss the band stacking registers which I use more than the regular memory locations and the spot feature is nice. Also, the many antenna configurations are very helpful. I think the Eagle would make a fine pinch hitter but falls a little short as a main event. In the long run I would long for many of the options and features the Eagle do not have and would end up buying again anyway. I think the Orion and Eagle groups are fantastic resources and I have been a Ten-Tec fan since my first new rig an Argonaut 509 in 1977.

Thank you again,
Charlie, WE4CW

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Except that the choice was between an Eagle and Orion, not Orion II
>
> " I would appreciate feedback from the group given the price of a used Orion
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> On Tue, Jan 18, 2011 at 4:06 AM, <tnnyswy@...> wrote:
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> > > I could not have said it any better!
> > >
> > > Sent from my Verizon Wireless BlackBerry
> > >
> > > -----Original Message-----
> > > From: Hector Padron <ad4c2008@... <ad4c2008%40yahoo.com>>
> > > Sender: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> > > Date: Mon, 17 Jan 2011 17:28:02
> > > To: <orion565@yahoogroups.com <orion565%40yahoogroups.com>>
> > > Reply-To: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> > > Subject: Re: [orion565] Which one? Orion or Eagle
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> > > Man,that is not a brainer,of course the best radio among those two is the
> > > Orion II in all aspects,better selectivity,second receiver,better audio
> > > quality,etc etc etc,you can find a decent O2 used without a tuner at

> > qth.com for around $2700 to $3000. I got mine last month,like mint
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> > --- On Mon, 1/17/11, pulsekeeper1 <crollack@...<crollack%40gmail.com>>
> > wrote:
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> >
> > From: pulsekeeper1 <crollack@... <crollack%40gmail.com>>
> > Subject: [orion565] Which one? Orion or Eagle
> > To: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> > Date: Monday, January 17, 2011, 8:42 PM
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6617. Orion 565AT firmware update

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-19 12:24:30 UTC
From: AC2FC
Topic: 6617 Message: 6617

Hi groups,
I just start with my Orion 565AT.
I have installed firmware version 1.373 and I want to upgrade to v2.062 or 2.063. My first question is witch version is better v2.062 or v2.063(betta).Secound question is - do I need to make a "Orion V2 logic mod" (like ten-tec said on they website)before upgrade firmaware?

Thanks Arek
AC2FC

6618. Re: [orion565] Orion 565AT firmware update

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-19 12:31:54 UTC
From: Barry N1EU
Topic: 6617 Message: 6618

Congrats on the new radio Arek! My understanding is that you can run v2 firmware without the mod. However, the sweep won't function in v2 unless you perform the mod. Personally, I NEVER use the sweep.

73, Barry N1EU

On Wed, Jan 19, 2011 at 12:24 PM, AC2FC <tarniowy@...> wrote:

>
>
> Hi groups,
> I just start with my Orion 565AT.
> I have installed firmware version 1.373 and I want to upgrade to v2.062 or
> 2.063. My first question is witch version is better v2.062 or
> v2.063(betta).Secound question is - do I need to make a "Orion V2 logic mod"
> (like ten-tec said on they website)before upgrade firmaware?
>
> Thanks Arek
> AC2FC
>
>
>

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6619. Dimming of Display when keying

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-19 14:22:27 UTC
From: Heinz Meier
Topic: 6378 Message: 6619

Hallo Orion users,
Some weeks ago I`ve got an Orion 1. It was announced to be full ok.
But as I switched it on , I saw the display was a little dark
and was reducing its brightness during transmission.
After a discussion with the former owner i was looking for the reason.

Then I studied the schematics and made some measurements :
1. The power voltage +13,8V is absolutly constant on my power supply, but inside the Orion ,
it can be measured by following the power circuitry, the power voltage is varying in dependency
of loading the rig.(between 13,7 to 12,7V no load to full load).
In the net can be read something about this.
I thought, this small power voltage drop could not cause the display flickering if
the display-voltage would be stabilized in the Orion.
Neither the Orion connectors nor the fuse should be the problem with my Orion.

2. The Display Voltages -22V and +5 Volts , i found, are generated in a switchmode
power supply on the " power distribution board A9 " .
On my board the -22 V was stable, but not the very sensitive +5 Volts.
Its varies very much from 5 down to 4.4V under load or input voltage changings.
This was the big bug and causes the displays brightness varyity and something else.
The voltage can also be measured outside the rig on the rear remote connector pin8 to Gnd.

At first, I tried to get a new board . But it wasn`t on stock available at Ten Tec.
Then I found some information in the net and had read what has happend before with some failures around the display.

But changing the recommended board-capacitors on the A9 brought no better results.
Then I saw a difference between the TenTec board schematic and the circuitry on my A9 board:
On my board the upper PNP -transistor was not the original type TO220P "NTE 378".
Ten Tec had used -how long?- another type BD246C .

Because this one is a TO3P Type(bigger) and not fittable onto the bord , it was mounted very carefully- like production people do it-
via 8cm long wires beside the A9 board on the al -case.

I am very sure this outsourced transistor has worked in my Orion since it has left the production. (Serial Nr. 10C 10584 in 2005)

I ordered- over night- the original NTE 378 from a semiconductor dristributor, placed it next morning within 15 minutes directly onto the board and it worked perfectly.

see http://www.qrz.com/db/DJ8LX

The +5volts are now stable under all conditions and the Orion works very well.

The reason for this unusual unstable +5Volts was the kind of assambly via the too long wires.
The BD-transistor wasn`t really faulty.
The datas of BD and original NTE 378 are only slightly different, but I would in any case prefer

the Ten Tec development design with the matched complementary transistors on the A9.

Extended cable lengths and the coupling beetween them had reduced the control capability of this

switched mode supply.
But in any case the max +5volts value limitation has worked,because the circuitry could reduce

its frequency under low load conditions (receive, standby, power voltage high, e.g.).
But wasn`t able to keep it konstant if it`s input-power voltage dropped under keying load conditions.

Now I an very happy with my Orion, it´s an excellent rig.

best 73
Heinz, DJ8LX

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6620. Re: Which one? Orion or Eagle

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-19 15:03:11 UTC
From: Russ
Topic: 6605 Message: 6620

The Orion has CW and voice memories, the Eagle does not. I've found these memories very useful in contesting, and can operate 99% of a CW or Phone contest with only the Orion's Send1 and Send2 buttons. Also very nice for late night operation where you don't want to disturb others.

--- In orion565@yahoogroups.com, "pulsekeeper1" <crollack@...> wrote:
>
> My thanks to all of you for the time and consideration you took to answer my question. I believe an Orion or Orion II would better serve me for what I have in mind. This will be a rig for the house and one I can grow with. Although, I live in the country now I am expecting to move back into the city environment with many hams in close proximity of each other. I read the manual for the Eagle and I would dearly miss the band stacking registers which I use more than the regular memory locations and the spot feature is nice. Also, the many antenna configurations are very helpful. I think the Eagle would make a fine pinch hitter but falls a little short as a main event. In the long run I would long for many of the options and features the Eagle do not have and would end up buying again anyway. I think the Orion and Eagle groups are fantastic resources and I have been a Ten-Tec fan since my first new rig an Argonaut 509 in 1977.
>
> Thank you again,
> Charlie, WE4CW
>
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> > " I would appreciate feedback from the group given the price of a used Orion
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> > recommendations?"
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> > On Tue, Jan 18, 2011 at 4:06 AM, <tnnyswy@> wrote:
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> > >> Man,that is not a brainer,of course the best radio among those two is
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> > >
> > > I could not have said it any better!
> > >
> > > Sent from my Verizon Wireless BlackBerry
> > >
> > > -----Original Message-----
> > > From: Hector Padron <ad4c2008@ <ad4c2008%40yahoo.com>>
> > > Sender: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> > > Date: Mon, 17 Jan 2011 17:28:02
> > > To: <orion565@yahoogroups.com <orion565%40yahoogroups.com>>
> > > Reply-To: orion565@yahoogroups.com <orion565%40yahoogroups.com>

> > > Subject: Re: [orion565] Which one? Orion or Eagle
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6621. Re: [orion565] Re: Which one? Orion or Eagle

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-19 15:47:02 UTC
From: Timothy Randa
Topic: 6605 Message: 6621

I have to agree on this one. As nice as the Eagle sounds...the band stacking registers would be greatly missed

73 de Tim K?FL

On Wed, Jan 19, 2011 at 9:03 AM, Russ <rusham@...> wrote:

>
>
> The Orion has CW and voice memories, the Eagle does not. I've found these
> memories very useful in contesting, and can operate 99% of a CW or Phone
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> Eagle do not have and would end up buying again anyway. I think the Orion
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> my first new rig an Argonaut 509 in 1977.
> >
> > Thank you again,
> > Charlie, WE4CW
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> > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, Barry N1EU
> <barry.n1eu@> wrote:
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> > > > Subject: [orion565] Which one? Orion or Eagle
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6622. Re: [orion565] Re: Which one? Orion or Eagle

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-19 20:51:38 UTC
From: Yuri VE3XB
Topic: 6605 Message: 6622

When I learnt that the Eagle doesn't have separate RX input I totally lost interest in this radio.

73 Yuri VE3XB

----- Original Message -----
From: "Timothy Randa" <randaranch@...>
To: <orion565@yahoogroups.com>
Sent: Wednesday, January 19, 2011 10:47 AM
Subject: Re: [orion565] Re: Which one? Orion or Eagle

I have to agree on this one. As nice as the Eagle sounds...the band stacking registers would be greatly missed

73 de Tim K?FL

On Wed, Jan 19, 2011 at 9:03 AM, Russ <rusham@...> wrote:

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> memories very useful in contesting, and can operate 99% of a CW or Phone
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> > My thanks to all of you for the time and consideration you took to
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> >
> > Thank you again,

6623. Re: Which one? Orion or Eagle

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-19 21:05:19 UTC
From: pulsekeeper1
Topic: 6605 Message: 6623

You brought up a very good point Russ concerning the voice and CW memories. I had forgotten about them since the last time I had used any I had a Kenwood TS-850s. It was great during FD and other contest.

Charlie, WE4CW

--- In orion565@yahoogroups.com, Timothy Randa <randaranch@...> wrote:
>
> I have to agree on this one. As nice as the Eagle sounds...the band stacking
> registers would be greatly missed
>
> 73 de Tim Kï¿½FL
>
> On Wed, Jan 19, 2011 at 9:03 AM, Russ <rusham@...> wrote:
>
> >
> >
> > The Orion has CW and voice memories, the Eagle does not. I've found these
> > memories very useful in contesting, and can operate 99% of a CW or Phone
> > contest with only the Orion's Send1 and Send2 buttons. Also very nice for
> > late night operation where you don't want to disturb others.
> >
> > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>,
> > "pulsekeeper1" <crollack@> wrote:
> > >
> > > My thanks to all of you for the time and consideration you took to answer
> > my question. I believe an Orion or Orion II would better serve me for what I
> > have in mind. This will be a rig for the house and one I can grow with.
> > Although, I live in the country now I am expecting to move back into the
> > city environment with many hams in close proximity of each other. I read the
> > manual for the Eagle and I would dearly miss the band stacking registers
> > which I use more than the regular memory locations and the spot feature is
> > nice. Also, the many antenna configurations are very helpful. I think the
> > Eagle would make a fine pinch hitter but falls a little short as a main
> > event. In the long run I would long for many of the options and features the
> > Eagle do not have and would end up buying again anyway. I think the Orion
> > and Eagle groups are fantastic resources and I have been a Ten-Tec fan since
> > my first new rig an Argonaut 509 in 1977.
> > >
> > > Thank you again,
> > > Charlie, WE4CW
> > >
> > > --- In orion565@yahoogroups.com <orion565%40yahoogroups.com>, Barry N1EU
> > <barry.n1eu@> wrote:
> > > >

> > > > Except that the choice was between an Eagle and Orion, not Orion II
> > > >
> > > > " I would appreciate feedback from the group given the price of a used
> > Orion
> > > > vs an Eagle and the performance and features of each. What are your
> > > > recommendations?"
> > > >
> > > > On Tue, Jan 18, 2011 at 4:06 AM, <tnnyswy@> wrote:
> > > >
> > > > >
> > > > >
> > > > > >> Man,that is not a brainer,of course the best radio among those two
> > is
> > > > > the Orion II <<
> > > > >
> > > > > I could not have said it any better!
> > > > >
> > > > > Sent from my Verizon Wireless BlackBerry
> > > > >
> > > > > -----Original Message-----
> > > > > From: Hector Padron <ad4c2008@ <ad4c2008%40yahoo.com>>
> > > > > Sender: orion565@yahoogroups.com <orion565%40yahoogroups.com><orion565%
> > 40yahoogroups.com>
> > > > > Date: Mon, 17 Jan 2011 17:28:02
> > > > > To: <orion565@yahoogroups.com <orion565%40yahoogroups.com><orion565%
> > 40yahoogroups.com>>
> > > > > Reply-To: orion565@yahoogroups.com <orion565%40yahoogroups.com><orion565%
> > 40yahoogroups.com>
> > > > > Subject: Re: [orion565] Which one? Orion or Eagle
> > > > >
> > > > > Man,that is not a brainer,of course the best radio among those two is
> > the
> > > > > Orion II in all aspects,better selectivity,second receiver,better
> > audio
> > > > > quality,etc etc etc,you can find a decent O2 used without a tuner at
> > > > > qth.com for around $2700 to $3000. I got mine last month,like mint
> > > > > condition with no tuner but all the roofers and a nice base mic for
> > just
> > > > > $2750,go for it !!
> > > > >
> > > > > AD4C
> > > > >
> > > > >
> > > > >
> > > > > "If freedom means something,it is the right to tell others what they
> > don't
> > > > > want to hear" ï¿½"George Orwell
> > > > >
> > > > > --- On Mon, 1/17/11, pulsekeeper1 <crollack@<crollack%40gmail.com>>
> > > > > wrote:

> > > > >
> > > > >
> > > > > From: pulsekeeper1 <crollack@ <crollack%40gmail.com>>
> > > > > Subject: [orion565] Which one? Orion or Eagle
> > > > > To: orion565@yahoogroups.com <orion565%40yahoogroups.com> <orion565%
> > 40yahoogroups.com>
> > > > > Date: Monday, January 17, 2011, 8:42 PM
> > > > >
> > > > >
> > > > >
> > > > >
> > > > >
> > > > >
> > > > > I am contemplating what my next rig might be. I would appreciate
> > feedback
> > > > > from the group given the price of a used Orion vs an Eagle and the
> > > > > performance and features of each. What are your recommendations?
> > > > >
> > > > > Charlie, WE4CW
> > > > >
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6624. Heil mic for orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-20 18:33:27 UTC
From: AC2FC
Topic: 6624 Message: 6624

Hi group,
I am looking for any opinion and recommendation wich Heil microphone is the best for orion 565? HM-10dual ? GM-5.1? PR-20? HM5 or HM-PRO? or maybe PR-781? I am not looking for " super" Hifi SSB effect but i want to have nice clear signal.

Thanks for any opinion

Arek AC2FC

6625. Re: [orion565] Heil mic for orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-20 19:12:02 UTC
From: Larry
Topic: 6624 Message: 6625

Arek:

I have tried several microphones on both the Orion I and the Orion II. I think that what I found will hold true for other radios (Jupiter, Eagle, etc.). I won't go through an entire list but a couple of the ones that I have tried are the Electrovoice RE-20 ($400), Shure SM-58 ($100) and the microphone that everyone that I talk to prefers is a Shure SM-58 clone, made by Behringer and it is their model XM-8500. I tried and recorded every audio setting on the radio systematically. In addition to the mic input, I tried these microphones using an outboard Symetrix 528E and going into the line in input.

All considered, you will be hard pressed to find anything that outperforms the Behringer XM-8500 going right into the mic input on the front. I just bough a pack of three of them on Ebay for $49.95. They can be had for about $20 each in quantities of one. They have a die cast body and are very solid. I think you could drive nails with them!

Others will undoubtedly disagree with my findings because how what sounds like is very subjective. Save yourself a lot of trouble and money doing what I just did and grab a Behringer XM-8500 first. If it doesn't work for you, it's only $20. I would be glad to send you the settings that I use on the Orion, if you like. I believe that they should be very close for most installations. Good Luck!

-- Larry W8ER

AC2FC wrote:
>
> Hi group,
> I am looking for any opinion and recommendation wich Heil microphone
> is the best for orion 565? HM-10dual ? GM-5.1? PR-20? HM5 or HM-PRO?
> or maybe PR-781? I am not looking for " super" Hifi SSB effect but i
> want to have nice clear signal.
>
> Thanks for any opinion
>
> Arek AC2FC
>
>
> ---
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 10.0.1191 / Virus Database: 1435/3391 - Release Date: 01/19/11
>

6626. Re: [orion565] Heil mic for orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-20 19:22:29 UTC
From: Hector Padron
Topic: 6624 Message: 6626

WELL AREK,IF YOU ARE NOT INTERESTED TO HAVE ESSB SOUND QUALITY THEN ANY HEIL MIC WILL WORK FINE,BUT IF YOU WANT TO HAVE "LOWS" WITHIN YOUR PASSBAND,THEN YOU WILL HAVE TO CHOSE PR-20,30,40,781,ETC ANY OF THOSE WILL COME DOWN TO THE LOWS RADIO CAN TRANSMIT.
LIKE I SAID IT ALL DEPENDS HOW YOU WANT TO SOUND.

HECTOR
AD4C

"If freedom means something,it is the right to tell others what they don't want to hear"
-George Orwell

--- On Thu, 1/20/11, AC2FC <tarniowy@...> wrote:

From: AC2FC <tarniowy@yahoo.com>
Subject: [orion565] Heil mic for orion 565
To: orion565@yahoogroups.com
Date: Thursday, January 20, 2011, 6:33 PM

Hi group,
I am looking for any opinion and recommendation wich Heil microphone is the best for orion 565? HM-10dual ? GM-5.1? PR-20? HM5 or HM-PRO? or maybe PR-781? I am not looking for " super" Hifi SSB effect but i want to have nice clear signal.

Thanks for any opinion

Arek AC2FC

[Non-text portions of this message have been removed]

6628. Upgrade advice and help to fix Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-20 22:50:18 UTC
From: itoplician
Topic: 6628 Message: 6628

Hello dr OM's

I watch this group from some time and I consider it is a valuable resource.

I also have a dilemma.

I want to upgrade from FT-2000 to a better CW rig. My plan was to sell the Yaesu rig and to buy o basic K3 but with the economical crisis on my country not to many will be able to spend about 1800Euro on a rig (will be a time consuming).

Anyway, before winter holidays I received a Ten Tec Orion (565) with all the roofing filters and Ten Tec 963 power supply, from a friend who doesn't seems to use it a lot. After some struggle with the rig I guess I can handle with the operation and it is a good rig with a lot of features and a joy to work CW which I do like more. At first FT2K sound way better on CW and SSB but working with AGC variables result now in a positive difference for Orion.

Usually I prefer to watch and listen to the rigs I want to buy but there is no K3 in my area, so I am a little bit confused with my choice. Despite that I encounter several problems with the Orion.

1. Display flickering (I understand that some capacitors need replacement)
2. Sometimes when I power up the rig I have no RX, only an audio hiss. Try to reset the rig with no luck; suddenly will start working fine. Software version is 2.062a and DSP 2.04b7. It happens 4 times in a month.
3. Cat control cable should be RS232 1:1 or null modem?
4. I guess S-meter is not calibrated, it shows around 10to 20 dB more compared to the one in the FT2K. Is there a way to calibrate it?
5. How can I key the rig via N1MM (there is a key on the back but no menu to configure like straight key)
6. No luck on finding how to use the memory keyer on manual (the worse user manual from what I seen until now).

Should I go for the Orion, or should I wait for a K3? I appreciate any inputs.

Best regards!

Adi, Yo2liw

6629. Re: [orion565] Heil mic for orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-20 23:45:07 UTC
From: Tony Sokol
Topic: 6624 Message: 6629

Hi Gary,

For all around general purpose SSB the Heil GM-5 in the narrow position is hard to beat. One advantage to keep in mind is that it not only sounds good, it has a PTT button which a lot of the professional mics do not. This relegates you to a foot switch or VOX only operation. I also have a PR-30 which is ok but it costs a lot more and really requires an outboard EQ like the W2IHY 8-band which is what I use. I am still trying to figure out if I have it set up correctly for my deep voice. In fact, I would love to hear from others using this combo and what their settings are. I tried the Orion II's and the Omni VII's internal EQ but it apparently isn't enough to handle the professional studio microphones. And, then there is Ten-Tec's 709 which sounds good on my Omni VII. It does have more lows or so I'm told. Personally, I feel that we sometimes spend a lot of money on professional mic's and EQ's trying to get it to sound as good as the simpler mics like the GM-5 or an old D-104 on the vintage gear. Keep it simple!

Good Luck
Tony - W9JXN

PS: I called Heil regarding the PR-30 and PR-781 and they told me that except for the case the performance is about the same. I was hoping that I could use the 781 without any external EQ. Not so.

On 1/20/2011 12:33 PM, AC2FC wrote:
>
> Hi group,
> I am looking for any opinion and recommendation wich Heil microphone
> is the best for orion 565? HM-10dual ? GM-5.1? PR-20? HM5 or HM-PRO?
> or maybe PR-781? I am not looking for " super" Hifi SSB effect but i
> want to have nice clear signal.
>
> Thanks for any opinion
>
> Arek AC2FC
>
>

[Non-text portions of this message have been removed]

6630. Re: [orion565] Heil mic for orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-21 01:31:13 UTC
From: Hector Padron
Topic: 6624 Message: 6630

here is a link for you to see a simple mic that will fit in any radio and that I am using on my Orion II without any external EQ,just the builtin one and it sounds terrific either for ESSB or for regular dx audio,and best of all it cost just $50 shiped to your qth.

http://members.bellatlantic.net/~vze3rys4/deskmic/

AD4C

"If freedom means something,it is the right to tell others what they don't want to hear"
-George Orwell

--- On Thu, 1/20/11, Tony Sokol <tonysokol@...> wrote:

From: Tony Sokol <tonysokol@...>
Subject: Re: [orion565] Heil mic for orion 565
To: orion565@yahoogroups.com
Date: Thursday, January 20, 2011, 11:45 PM

Hi Gary,

For all around general purpose SSB the Heil GM-5 in the narrow position is hard to beat. One advantage to keep in mind is that it not only sounds good, it has a PTT button which a lot of the professional mics do not. This relegates you to a foot switch or VOX only operation. I also have a PR-30 which is ok but it costs a lot more and really requires an outboard EQ like the W2IHY 8-band which is what I use. I am still trying to figure out if I have it set up correctly for my deep voice. In fact, I would love to hear from others using this combo and what their settings are. I tried the Orion II's and the Omni VII's internal EQ but it apparently isn't enough to handle the professional studio microphones. And, then there is Ten-Tec's 709 which sounds good on my Omni VII. It does have more lows or so I'm told. Personally, I feel that we sometimes spend a lot of money on professional mic's and EQ's trying to get it to sound as good as the simpler mics like the GM-5 or an old D-104 on the vintage gear. Keep it simple!

Good Luck
Tony - W9JXN

PS: I called Heil regarding the PR-30 and PR-781 and they told me that except for the case the performance is about the same. I was hoping that I could use the 781 without any external EQ. Not so.

On 1/20/2011 12:33 PM, AC2FC wrote:
>
> Hi group,

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> is the best for orion 565? HM-10dual ? GM-5.1? PR-20? HM5 or HM-PRO?
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> want to have nice clear signal.
>
> Thanks for any opinion
>
> Arek AC2FC
>
>

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[Non-text portions of this message have been removed]

6631. Re: [orion565] Upgrade advice and help to fix Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-21 02:01:31 UTC
From: gary strong
Topic: 6628 Message: 6631

Adi,
I own an Orion II, but possibly I can answer a few of your questions:
2. Did you try a master reset and then re-loading the 2.062a firmware?
3. Cat control is RS232 cable, not a null modem. You can also use a USB to RS232 converter.
4. How do you know if the FT2K was calibrated? While it can be adjusted, its generally right on the money.
5. While I don't use the N1MM program, it still should work fine. Make sure your in the 1/8 inch stereo jack on the back of the rig, not the RCA jack (the RCA jack is for amplifier keying). Wiring like straight key with tip and and common used for keying. You'll still need some sort of external keyer, either by building one using examples in the N1MM reference guide, or K1EL Winkey (or similar). I use the K1EL USB Winkey to key my Orion II. By the way, you must put set the Internal Keyer to Off in the CW menu option or you'll get double characters and other weird issues.
6. Memory Keyer is easy to use. Hold down the Send 1, 2 or 3 button and you'll get a menu to record, play, or delete. Press Record and send a sequence with your key or program then press Stop. Exit the menu, and when ever you press that send key you'll get the characters you stored.

I don't know much about a K3, but I love my Orion.

Good luck,
Gary KO?Q

On Thu, Jan 20, 2011 at 4:50 PM, itoplician <itoplician@...> wrote:

>
>
> Hello dr OM's
>
> I watch this group from some time and I consider it is a valuable resource.
>
> I also have a dilemma.
>
> I want to upgrade from FT-2000 to a better CW rig. My plan was to sell the
> Yaesu rig and to buy o basic K3 but with the economical crisis on my country
> not to many will be able to spend about 1800Euro on a rig (will be a time
> consuming).
>
> Anyway, before winter holidays I received a Ten Tec Orion (565) with all
> the roofing filters and Ten Tec 963 power supply, from a friend who doesn't
> seems to use it a lot. After some struggle with the rig I guess I can handle
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> work CW which I do like more. At first FT2K sound way better on CW and SSB
> but working with AGC variables result now in a positive difference for

> Orion.
>
> Usually I prefer to watch and listen to the rigs I want to buy but there is
> no K3 in my area, so I am a little bit confused with my choice. Despite that
> I encounter several problems with the Orion.
>
> 1. Display flickering (I understand that some capacitors need replacement)
> 2. Sometimes when I power up the rig I have no RX, only an audio hiss. Try
> to reset the rig with no luck; suddenly will start working fine. Software
> version is 2.062a and DSP 2.04b7. It happens 4 times in a month.
> 3. Cat control cable should be RS232 1:1 or null modem?
> 4. I guess S-meter is not calibrated, it shows around 10to 20 dB more
> compared to the one in the FT2K. Is there a way to calibrate it?
> 5. How can I key the rig via N1MM (there is a key on the back but no menu
> to configure like straight key)
> 6. No luck on finding how to use the memory keyer on manual (the worse user
> manual from what I seen until now).
>
> Should I go for the Orion, or should I wait for a K3? I appreciate any
> inputs.
>
> Best regards!
>
> Adi, Yo2liw
>
>
>

[Non-text portions of this message have been removed]

6632. This Discussion of Mikes -- It started out as something else

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-21 03:08:49 UTC
From: Bob McGraw - K4TAX
Topic: 6632 Message: 6632

This issue of mikes and radios and EQ's is a source of issue with me. There's a lot of unspoken information on the topic. Me for one, I do not believe that a EQ can fix anything. No offence to W2IHY and his system, it is a good product and has its application. But simply stated, bad audio going in will make for bad audio coming out. You choose the definition of "bad". Expensive mikes may actually overload the input stage before any level adjustment and thus they may sound bad for an unknown reason. This can be the 30 to 50 Hz breath pops that aren't heard or transmitted but still overload the input stage and such and takes a few milliseconds to recover. I've a couple of Neumann mikes that typically sell for $1500 to $3000 and they sound bad on any of the ham radios. So, more expensive mikes is not a valid key.

Now, lets look at the transmission path. Typically the male voice contains fundamental information in the 150 Hz to about 3KHz region and that is all that is needed. Nothing much past those numbers will get through the SSB generator and SSB filter in most radios. For those running ESSB, well the top end opens up but again a mike with an extended frequency response actually puts energy into the system that must be dealt with, otherwise attenuated, lopped off or filtered. Some radios place the carrier on the filter slope such that the low end is more abundant but at the sacrifice of the upper end. In any case it consumes bandwidth or energy of the system which takes away for the necessary total energy. In basic terms "lets not try to cram an elephant up a monkey's butt". Neither one will like it and the result is usually pretty nasty.

Now why do some $20 mikes sound good? Most likely, they do roll off on the low end below the typical useable range and thus they accentuate the warmth of the male voice. Some have a rising response up to the midrange of 3 KHz or so. Again, these sound nice for most SSB systems and ESSB systems.

And finally, the load on the source is another caveat. Ahh but this alone is one area that most do not realize how it affects the actual mike and the response of the mike. Just because a mike is advertised to be 20 Hz to 20KHz does not mean that it will perform uniformly under all load conditions. I've measured mikes in the lab that claimed 20 Hz to 20 KHz, while that may have been true the deviation from norm was +/- 20 dB. This is quite different than a mike that is 20 H to 20 KHz with a norm deviation of +/- 3 dB. Now to make things more complex, most radios will have a stated input impedance for the mike input. This says nothing about the impedance vs. frequency. It usually is the Z at one specific frequency and the value of Z can vary quite widely as frequency changes. Thus the mike is seeing a varying load with regard to frequency. Most mikes really don't like this condition. On the other hand, lower impedance mikes and I mean those with a lower source impedance not referring to load impedance specs and there is a big difference, will typical have less effect on varying load Z values. Then there is the dampening factor of how the diaphragm of the mike is electrically damped by the load. This again is more likely related to the characteristic of the load under varying frequency conditions. Over damping causes dull sounding paths while under damping typically causes loose or muffled bottom end and over accentuated high end.

Oh, I've not gotten into the room acoustics where the mike is used and I've not touched on mike technique. Both of those are subject for another chapter in the book. As a general rule, if your mike is operated ever more than 2" from your mouth, you need to consider a different mike technique. At the same time, too close causes excessive lip, tongue, nose and throat noises not to mention the rattle of the false teeth. Oh, how revolting! And no one likes to hear your amplifier fan or the TV in the adjacent room or the kids and wife screaming at each other. And if that mike is not working well for you at that distance, then you need to consider a different mike regardless of its price, brand or model.

73
Bob, K4TAX

----- Original Message -----
From: Tony Sokol
To: orion565@yahoogroups.com
Sent: Thursday, January 20, 2011 5:45 PM
Subject: Re: [orion565] Heil mic for orion 565

Hi Gary,

For all around general purpose SSB the Heil GM-5 in the narrow position is hard to beat. One advantage to keep in mind is that it not only sounds good, it has a PTT button which a lot of the professional mics do not. This relegates you to a foot switch or VOX only operation. I also have a PR-30 which is ok but it costs a lot more and really requires an outboard EQ like the W2IHY 8-band which is what I use. I am still trying to figure out if I have it set up correctly for my deep voice. In fact, I would love to hear from others using this combo and what their settings are. I tried the Orion II's and the Omni VII's internal EQ but it apparently isn't enough to handle the professional studio microphones. And, then there is Ten-Tec's 709 which sounds good on my Omni VII. It does have more lows or so I'm told. Personally, I feel that we sometimes spend a lot of money on professional mic's and EQ's trying to get it to sound as good as the simpler mics like the GM-5 or an old D-104 on the vintage gear. Keep it simple!

Good Luck
Tony - W9JXN

PS: I called Heil regarding the PR-30 and PR-781 and they told me that except for the case the performance is about the same. I was hoping that I could use the 781 without any external EQ. Not so.

On 1/20/2011 12:33 PM, AC2FC wrote:
>
> Hi group,
> I am looking for any opinion and recommendation wich Heil microphone
> is the best for orion 565? HM-10dual ? GM-5.1? PR-20? HM5 or HM-PRO?
> or maybe PR-781? I am not looking for " super" Hifi SSB effect but i
> want to have nice clear signal.
>
> Thanks for any opinion

>
> Arek AC2FC
>
>

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6633. Re: [orion565] This Discussion of Mikes -- It started out as something else

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-22 15:05:01 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6632 Message: 6633

Bob, I understand every point that you have made and, scientifically I agree with your statements... however bottom line is "how do you sound on the air" !

I use a Heil GoldLine Mic set in the Wide position into my W2IHY 8Band EQ and EQplus, then straight into my Orion II. I get nothing short of excellent audio reports. Of course there are other settings to deal with on the Orion II however those settings will vary from operator to operator, as will the settings on the W2IHY equipment.

You can talk paths, my 50 Hz breath pops, impedance, load, etc., but what it boils down to someone stumbling upon my station and saying "Wow, what a nice sounding station". Please do not compliment me! Bob Heil, Julius Jones and the engineering staff at TenTec did most of the work, I'm just the warm male voice behind the mic.

73,
Sam
K3SAM

(of course when looking for a microphone for your station, the operator will want to verify that the impedance is correct. If there is hum or distortion present in your audio (bad) before adding any sort of audio processing equipment then it will be there after the equipment installation. Bad in = Bad out. Da!
)

From: Bob McGraw - K4TAX <RMcGraw@...>
To: orion565@yahoogroups.com
Sent: Thu, January 20, 2011 10:08:49 PM
Subject: [orion565] This Discussion of Mikes -- It started out as something else

This issue of mikes and radios and EQ's is a source of issue with me. There's a lot of unspoken information on the topic. Me for one, I do not believe that a EQ can fix anything. No offence to W2IHY and his system, it is a good product and has its application. But simply stated, bad audio going in will make for bad audio coming out. You choose the definition of "bad". Expensive mikes may actually overload the input stage before any level adjustment and thus they may sound bad for an unknown reason. This can be the 30 to 50 Hz breath pops that aren't heard or transmitted but still overload the input stage and such and takes a few milliseconds to recover. I've a couple of Neumann mikes that typically sell for $1500 to $3000 and they sound bad on any of the ham radios. So, more expensive mikes is not a valid key.

Now, lets look at the transmission path. Typically the male voice contains fundamental information in the 150 Hz to about 3KHz region and that is all that is needed. Nothing much past those numbers will get through the SSB generator and SSB filter in most radios. For those running ESSB, well the top end opens

up but again a mike with an extended frequency response actually puts energy into the system that must be dealt with, otherwise attenuated, lopped off or filtered. Some radios place the carrier on the filter slope such that the low end is more abundant but at the sacrifice of the upper end. In any case it consumes bandwidth or energy of the system which takes away for the necessary total energy. In basic terms "lets not try to cram an elephant up a monkey's butt". Neither one will like it and the result is usually pretty nasty.

Now why do some $20 mikes sound good? Most likely, they do roll off on the low end below the typical useable range and thus they accentuate the warmth of the male voice. Some have a rising response up to the midrange of 3 KHz or so. Again, these sound nice for most SSB systems and ESSB systems.

And finally, the load on the source is another caveat. Ahh but this alone is one area that most do not realize how it affects the actual mike and the response of the mike. Just because a mike is advertised to be 20 Hz to 20KHz does not mean that it will perform uniformly under all load conditions. I've measured mikes in the lab that claimed 20 Hz to 20 KHz, while that may have been true the deviation from norm was +/- 20 dB. This is quite different than a mike that is 20 H to 20 KHz with a norm deviation of +/- 3 dB. Now to make things more complex, most radios will have a stated input impedance for the mike input. This says nothing about the impedance vs. frequency. It usually is the Z at one specific frequency and the value of Z can vary quite widely as frequency changes. Thus the mike is seeing a varying load with regard to frequency. Most mikes really don't like this condition. On the other hand, lower impedance mikes and I mean those with a lower source impedance not referring to load impedance specs and there is a big difference, will typical have less effect on varying load Z values. Then there is the dampening factor of how the diaphragm of the mike is electrically damped by the load. This again is more likely related to the characteristic of the load under varying frequency conditions. Over damping causes dull sounding paths while under damping typically causes loose or muffled bottom end and over accentuated high end.

Oh, I've not gotten into the room acoustics where the mike is used and I've not touched on mike technique. Both of those are subject for another chapter in the book. As a general rule, if your mike is operated ever more than 2" from your mouth, you need to consider a different mike technique. At the same time, too close causes excessive lip, tongue, nose and throat noises not to mention the rattle of the false teeth. Oh, how revolting! And no one likes to hear your amplifier fan or the TV in the adjacent room or the kids and wife screaming at each other. And if that mike is not working well for you at that distance, then you need to consider a different mike regardless of its price, brand or model.

73
Bob, K4TAX

----- Original Message -----
From: Tony Sokol
To: orion565@yahoogroups.com
Sent: Thursday, January 20, 2011 5:45 PM
Subject: Re: [orion565] Heil mic for orion 565

Hi Gary,

For all around general purpose SSB the Heil GM-5 in the narrow position is hard to beat. One advantage to keep in mind is that it not only sounds good, it has a PTT button which a lot of the professional mics do not. This relegates you to a foot switch or VOX only operation. I also have a PR-30 which is ok but it costs a lot more and really requires an outboard EQ like the W2IHY 8-band which is what I use. I am still trying to figure out if I have it set up correctly for my deep voice. In fact, I would love to hear from others using this combo and what their settings are. I tried the Orion II's and the Omni VII's internal EQ but it apparently isn't enough to handle the professional studio microphones. And, then there is Ten-Tec's 709 which sounds good on my Omni VII. It does have more lows or so I'm told. Personally, I feel that we sometimes spend a lot of money on professional mic's and EQ's trying to get it to sound as good as the simpler mics like the GM-5 or an old D-104 on the vintage gear. Keep it simple!

Good Luck
Tony - W9JXN

PS: I called Heil regarding the PR-30 and PR-781 and they told me that except for the case the performance is about the same. I was hoping that I could use the 781 without any external EQ. Not so.

On 1/20/2011 12:33 PM, AC2FC wrote:
>
> Hi group,
> I am looking for any opinion and recommendation wich Heil microphone
> is the best for orion 565? HM-10dual ? GM-5.1? PR-20? HM5 or HM-PRO?
> or maybe PR-781? I am not looking for " super" Hifi SSB effect but i
> want to have nice clear signal.
>
> Thanks for any opinion
>
> Arek AC2FC
>
>

[Non-text portions of this message have been removed]

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6634. Microphones and settings with the Orion and Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-22 19:05:47 UTC
From: Larry
Topic: 6634 Message: 6634

I've had a number of emails and questions regarding my earlier post regarding the subject matter and the Orion or Orion II. I read carefully the post by Bob K4TAX and he has some good points but there are a couple of points that we could probably sit down over a good cold beer and talk about.

You MUST start with a good consistent microphone. There is no other way. The first question would be, how do you intend to use it. A good contest or DX microphone would make a ragchewers ears bleed! I am a ragchewer so please take that into account when you read my post.

One of the most popular ham microphones ever is the old Astatic D-104. It doesn't have a lot of low end and it has a presence rise, meaning that voice sounds in the range of 2 to 5 khz are somewhat emphasized. That's an excellent characteristic for a microphone to have for hams and when I spoke of the Behringer XM-8500 or the Shure SM-58, that's also what you get. However, because those microphones are dynamic microphones, they have a substantial low end. The key is that the output from these mics is clean and clear.

EQ is the magic that can make microphones sound like others that they are not. One of the old statements that I have heard a hundred times is that the guy has a fortune in audio gear to make his RE-20 sound like a D-104. Understand the the RE-20 is a very very flat microphone. There is no presence rise and the sound is not real exciting, like corn without salt, so to speak. So to make it more better (I love that phrase) you add EQ and give it a very precise presence rise. Now it sounds like a D-104 but the microphone cost $400 and the gear to correct it's flatness cost a lot more. Has it fixed anything .. well sure it has but hey, get a D-104 in the first place and save a bundle!

When I suggested the SM-58 or the XM-8500, I can give you three good reasons for doing so.

1) They are very consistent at what they do. I have four of them and they all sound exactly alike.

2) They are both price performers! At $100 the SM-58 is a solid, well proven microphone used in every application from communications and PA work to stage work. The XM-8500 is a real price performer (and obvious clone) at $20 and the two mics are so close in construction and performance that I don't know how Behringer can do it!

3) The Orion and many of TenTec's radios have a simple and effective tone control mechanism. It is simple and you cannot do what an expensive EQ can with it but if you have chosen the right microphone, you won't need anything else. The SM-58/XM-8500 with it's presence rise

has too much low end for ham use. The Orion TX EQ can be set to "0" which is essentially flat. The SM-58/XM-8500 would sound way too bassy. It can be set to -20 eliminating all low end or to +20 to eliminate all high end. By using an SM-58/XM-8500 and setting the EQ to around -8 to -12, you are taking away the low end and much of the proximity effect that these mics exhibit.

Did I try the Heils ... yes and have I tried the IHY box ... yes, and with mixed and unpredictable results. Are they bad ... no ... but my personal opinion is that anybody that uses them is either very lucky or very talented and has spent more (time and money) than they had to.

I have a sound file that was recorded in Chicago by Dave W9AD of my Orion and an XM-8500 on December 15th of 2010 at 7 AM on 80 meters. That's about a 350 mile path. I uploaded the file to my server so if you would like to take a listen: http://w8er.com/w8er.mp3 will get you there. This sound file let's you hear the results of what I have done and because of the consistency of the microphones, your results should be similar.

Sorry for the long post guys, but this is a deep topic and I hope that this helped. -- Larry W8ER

6635. Re: Microphones and settings with the Orion and Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-23 13:12:52 UTC
From: HectorP
Topic: 6634 Message: 6635

Well said,to probe that you don't need to spend much to have a good TX audio,go to the Files in this group and enter the AD4C folder and download the latest MP3 I posted this morning where I have recorded the TX audio from my Orion II heard at my K3 and recorded on my Dell laptop,its named "AD4C testing the O2....".
I explain in it which mic is,where to buy it and all the radio settings,there is nothing in between,just that mic straight to the radio.This is a not expensive solution to have a good audio.

AD4C

--- In orion565@yahoogroups.com, Larry <robison@...> wrote:
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> I have a sound file that was recorded in Chicago by Dave W9AD of my
> Orion and an XM-8500 on December 15th of 2010 at 7 AM on 80 meters.
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> Sorry for the long post guys, but this is a deep topic and I hope that
> this helped. -- Larry W8ER
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6636. Orion Glitch

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-24 01:19:40 UTC
From: James
Topic: 6636 Message: 6636

Friends,

I posted my saga over on the Tentec reflector the last couple of days but thought I would go ahead and post it here too because I'm still having issues.

I'll try to make this brief. When I first turned it on Friday, the S-meter was frozen and neither receiver would work. I have basically worked on it all weekend and have traced it down to some kind of issue with the front panel assembly and cards A7/A8. In general, I found I could induce the lockup by tapping on those boards or even tapping on the front panel plastic over on the left side.

I suspected some issue with the board-to-board connectors like has been suspected with the RIT problem. I carefully took the A7 board off and cleaned every pin with an eraser and then applied a coat of Deoxit D100 (needle applicator) and reassembled everything. It still doesn't want to work right. (I have done countless Master Resets, RAM Resets, and software reloads along the way).

At this point, when I turn it on, I get no audio, the main receiver is dead, the S-meter is frozen, and the subreceiver audio is only present on the headphone jack. If I loosen the screws on the A7 board and apply some pressure at a specific point, everything comes to life. I'm not sure at this point if the pressure is just moving those board-to-board connectors around or if I might have a cold solder joint that I'm flexing. I've had this Orion a little over 4 years and have never even had the front panel off before this weekend. I pretty carefully cleaned all those board-to-board pins and with the Deoxit, I was pretty hopeful that was going to cure things. It did cure my RIT which works fine now. It's basically never worked since I got the Orion.

Anyway, I thought I would post this over here in case somebody has experienced something similar.

Dave
K8JDC

6637. Re: [orion565] Orion Glitch

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-24 02:50:29 UTC
From: jd_hudson@comcast.net
Topic: 6636 Message: 6637

Dave...try this, I have the same type issue. When I turn the rig on, no audio and if I hit the tune button, no matter what band or antenna I get "high swr". I would do a mater reset and it would work.

What I have narrowed it down to is in the TUNE circuit. When I turn it on and there's no audio, I cycle through the TUNE/AUTO-TUNE menu. Apparently there's a 3rd selection in there and when I power up, it's in that 3rd selection and from there I cycle through the TUNE selections and it's all good. REC and TRANS

At least that's the issue on my O1.. good luck

John
KO4XJ

----- Original Message -----
From: "James" <k8jdc@...>
To: orion565@yahoogroups.com
Sent: Sunday, January 23, 2011 7:19:40 PM
Subject: [orion565] Orion Glitch

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Dave
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[Non-text portions of this message have been removed]

6638. Microphones and settings with the Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-24 03:24:32 UTC
From: Hector Padron
Topic: 6636 Message: 6638

Well said,to probe that you don't need to spend much to have a good TX audio,go to the Files in this group and enter the AD4C folder and download the latest MP3 I posted this morning where I have recorded the TX audio from my Orion II heard at my K3 and recorded on my Dell laptop,its named "AD4C testing the O2....". I explain in it which mic is,where to buy it and all the radio settings,there is nothing in between,just that mic straight to the radio.This is a not expensive solution to have a good audio.

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[Non-text portions of this message have been removed]

6639. Re: Microphones and settings with the Orion and Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-24 11:52:29 UTC
From: Bruce
Topic: 6634 Message: 6639

Well now,
Let me say that I am the first one to be skeptical about "fix's" I read about on the internet. I've been fooled more than one time...
In this instance the timing of this subject on this group could not have been any more perfect. I was at the point of frustration with my Orion II TX audio that I was beginning to think about different radio's. I too had been through a number of different microphones and settings. I have really worked hard to understand the theory involved, within the scope of my amateur status anyway. I worked on technique, anything I could do to help my really muddy audio. Perhaps it is just my voice but I was not able to come up with an even passable solution for my audio and I just did not want to go the external EQ route.Finally I sent Larry an e-mail and asked him a couple of questions about his set up. Glad I did! I went out Saturday to a local Guitar store and purchased a Shure SM 58 that the clerk said I could return in the next 14 days if I didn't like anything about it. No reason not to give it a shot I thought to my self. All I can say is wow, I finally have nice clean audio. In the end my settings are remarkably similar to Larry's, and I have to guess that this mic is just a nice match for the Orion II and my voice. For the first time my TX audio is what I have been looking for. The other thing I learned is that the guitar shop is a good place to talk about audio. Great enthusiasm for my issues, good prices and an open invitation to try different mics if this one didn't work out.
BB

--- In orion565@yahoogroups.com, Larry <robison@...> wrote:
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6640. Connector replacement

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-25 11:44:34 UTC
From: Martin
Topic: 6634 Message: 6640

I have a persistent problem with the RIT on my 565AT. It stopped now to work, the knob is dead. I know about the solution by K4ZNO using the conductive silver grease but AFAIK a contact treated in such way will became 'welded' within few weeks and if you disassemble the sandwiched boards you have to repeat the treatment again, including VERY careful clean up before applying the grease...

It seems more reasonable to replace the junk tin plated pins/connectors with better quality, gold plate type (why our 'SSB Company' used such gimmick?). The problem is the lead-free solder with higher melting temperature, a conventional micro-tip soldering station seems to be rather inefficient here. Do you have some tips how to do the replacement in most safe way?

73
Martin, OK1RR

6641. Orion 565 Update... from John Henry.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-01-27 15:41:12 UTC
From: Mike
Topic: 6641 Message: 6641

Is there any news about the Orion 565 Update/upgrade?

Just looking forward to it.

73,

Mike

6642. 2.044a - rf and af agc

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-02 01:08:05 UTC
From: w1nt
Topic: 6642 Message: 6642

Did 566 firmware 2.044a remove the ability to toggle between RF and AF AGC? Looks like the menu toggle in the OTHER menu is gone unless I am missing something.

If it's been removed does anyone know why?

Thanks,

Brad

6643. RE: [orion565] 2.044a - rf and af agc

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-02 01:13:20 UTC
From: Andrew B. Steen
Topic: 6642 Message: 6643

It was removed, as it had issues along with some other "improvements".

According to John Henry, they went back to pretty much basics, and will build from there rather than try and throw out a bunch of features all at once.

Andrew,

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of w1nt
Sent: Tuesday, February 01, 2011 5:08 PM
To: orion565@yahoogroups.com
Subject: [orion565] 2.044a - rf and af agc

Did 566 firmware 2.044a remove the ability to toggle between RF and AF AGC? Looks like the menu toggle in the OTHER menu is gone unless I am missing something.

If it's been removed does anyone know why?

Thanks,

Brad

[Non-text portions of this message have been removed]

6644. help

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-02 10:48:50 UTC
From: jim jim
Topic: 6644 Message: 6644

help orion 565
?
when the to the button power on?to spring for the machine makes a MASTER reset knowing something help
?
sv7boy??? jim

[Non-text portions of this message have been removed]

6645. Re: 2.044a - rf and af agc

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-02 14:03:21 UTC
From: dyarnes1
Topic: 6642 Message: 6645

This is very interesting! Way back in the early days of the Orions, but after (I think) John Henry left Ten-Tec, I was seriously considering the Orion I. A couple of my astute friends cautioned me against it, due to the software problems, so I deferred. Later, when the Orion II came out, I did go ahead and buy one, thinking that by then they must have solved some of the initial problems regarding software. I was wrong! I got so confused as to which "updated" version of the software worked, and which didn't, I didn't do much upgrading. The Orion II worked O.K., but not nearly to its potential in my view.

My friend's cautionary statements centered around their understanding that a big part of Ten-Tec's problems regarding software was that each patch they came up with only masked the perceived problem, and tended to create other problems in the process. Now, this wasn't at all certain, but just their suspicion. However, I distinctly remember them saying that they thought a lot of the problems would go away if Ten-Tec would rebuild the software rather than patch it. I may be wrong, but I think this is what John Henry wanted to do initially, but Ten-Tec wouldn't agree, and that may have contributed to his initial departure--a difference in opinion as to how to really do it right! Now it seems that is exactly what they are doing, and if so, I applaud them for finally doing so.

In any event, and whatever the circumstances really are/were, it certainly seems like John Henry is making good progress, and Ten-Tec is allowing him to make unfettered decisions to get things heading in the right direction. I think all Orion owners should be greatly encouraged as to how things seem to be heading. It certainly seems to me that there have been a lot of positive developments lately, and I think there are a lot more smiling faces out there.

Dave W7AQK

--- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@...> wrote:
>
> It was removed, as it had issues along with some other "improvements".
>
> According to John Henry, they went back to pretty much basics, and will
> build from there rather than try and throw out a bunch of features all at
> once.
>
> Andrew,
>
> K6STN
>
>
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of w1nt
> Sent: Tuesday, February 01, 2011 5:08 PM

> To: orion565@yahoogroups.com
> Subject: [orion565] 2.044a - rf and af agc
>
>
>
>
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> Did 566 firmware 2.044a remove the ability to toggle between RF and AF AGC?
> Looks like the menu toggle in the OTHER menu is gone unless I am missing
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>
> If it's been removed does anyone know why?
>
> Thanks,
>
> Brad
>
>
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>
>
> [Non-text portions of this message have been removed]
>

6646. Re: [orion565] help

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-02 16:27:12 UTC
From: Larry Menzel
Topic: 6644 Message: 6646

Anybody speak Greek top help him?
On Feb 2, 2011 4:48 AM, "jim jim" <sv7boy@...> wrote:
> help orion 565
>
> when the to the button power on to spring for the machine makes a MASTER
reset knowing something help
>
> sv7boy jim
>
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

6647. Re: [orion565] help

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-02 19:06:12 UTC
From: Steve
Topic: 6644 Message: 6647

Larry and Jim,

This sounds like a master reset upon power up.
If this is the case, Jim should look at:
http://www.tentecwiki.org/doku.php?id=565battreplace

http://lists.contesting.com/archives//html/TenTec/2009-08/msg00024.html

Steve, NU7T

----- Original Message -----

Anybody speak Greek top help him?
On Feb 2, 2011 4:48 AM, "jim jim" <sv7boy@...> wrote:
> help orion 565
>
> when the to the button power on to spring for the machine makes a MASTER
reset knowing something help
>
> sv7boy jim
>

[Non-text portions of this message have been removed]

6648. Re: [orion565] help

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-02 19:16:01 UTC
From: Hector Padron
Topic: 6644 Message: 6648

hahahahaaha,don't be bad man,he needs help.

AD4C

"If freedom means something,it is the right to tell others what they don't want to hear"
-George Orwell

--- On Wed, 2/2/11, Larry Menzel <retire@...> wrote:

From: Larry Menzel <retire@...>
Subject: Re: [orion565] help
To: orion565@yahoogroups.com
Date: Wednesday, February 2, 2011, 4:27 PM

Anybody speak Greek top help him?
On Feb 2, 2011 4:48 AM, "jim jim" <sv7boy@...> wrote:
> help orion 565
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> ------------------------------------
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>
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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6649. RE: [orion565] Re: 2.044a - rf and af agc

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-03 14:29:35 UTC
From: Andrew B. Steen
Topic: 6642 Message: 6649

Dave.

You pretty much said it. They kept putting more perfume on the stink, and it just made it worse.

When John came back, they seem to have scrapped that approach, and built a good basic package that took care of most of the problems.

I got the impression that there will be more additions to come that will be nice to have. They even should work!(HI).

73,

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of dyarnes1
Sent: Wednesday, February 02, 2011 6:03 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: 2.044a - rf and af agc

This is very interesting! Way back in the early days of the Orions, but after (I think) John Henry left Ten-Tec, I was seriously considering the Orion I. A couple of my astute friends cautioned me against it, due to the software problems, so I deferred. Later, when the Orion II came out, I did go ahead and buy one, thinking that by then they must have solved some of the initial problems regarding software. I was wrong! I got so confused as to which "updated" version of the software worked, and which didn't, I didn't do much upgrading. The Orion II worked O.K., but not nearly to its potential in my view.

My friend's cautionary statements centered around their understanding that a big part of Ten-Tec's problems regarding software was that each patch they came up with only masked the perceived problem, and tended to create other problems in the process. Now, this wasn't at all certain, but just their suspicion. However, I distinctly remember them saying that they thought a lot of the problems would go away if Ten-Tec would rebuild the software rather than patch it. I may be wrong, but I think this is what John Henry wanted to do initially, but Ten-Tec wouldn't agree, and that may have contributed to his initial departure--a difference in opinion as to how to really do it right! Now it seems that is exactly what they are doing, and if so, I applaud them for finally doing so.

In any event, and whatever the circumstances really are/were, it certainly seems like John Henry is making good progress, and Ten-Tec is allowing him to make unfettered decisions to get things heading in the right direction. I think all Orion owners should be greatly encouraged as to how things seem to be heading. It certainly seems to me that there have been a lot of positive developments lately, and I think there are a lot more smiling faces out there.

Dave W7AQK

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "Andrew B. Steen" <n2gff@...> wrote:
>
> It was removed, as it had issues along with some other "improvements".
>
> According to John Henry, they went back to pretty much basics, and will
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>
> Andrew,
>
> K6STN
>
>
>
> _____
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
> Of w1nt
> Sent: Tuesday, February 01, 2011 5:08 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] 2.044a - rf and af agc
>
>
>
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>
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> Thanks,
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> Brad
>
>
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> [Non-text portions of this message have been removed]
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6650. Re: [orion565] Re: 2.044a - rf and af agc

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-03 14:40:30 UTC
From: Timothy Randa
Topic: 6642 Message: 6650

John...I know you read these posts. Is there any update to the status of the 565 firmware update?

Tim K?FL

On Thu, Feb 3, 2011 at 8:29 AM, Andrew B. Steen <n2gff@...> wrote:

>
>
> Dave.
>
> You pretty much said it. They kept putting more perfume on the stink, and
> it just made it worse.
>
> When John came back, they seem to have scrapped that approach, and built a
> good basic package that took care of most of the problems.
>
> I got the impression that there will be more additions to come that will be
> nice to have. They even should work!(HI).
>
> 73,
>
> Andrew
>
> K6STN
>
> _____
>
> From: orion565@yahoogroups.com <orion565%40yahoogroups.com> [mailto:
> orion565@yahoogroups.com <orion565%40yahoogroups.com>] On Behalf
> Of dyarnes1
> Sent: Wednesday, February 02, 2011 6:03 AM
> To: orion565@yahoogroups.com <orion565%40yahoogroups.com>
> Subject: [orion565] Re: 2.044a - rf and af agc
>
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> came up with only masked the perceived problem, and tended to create other
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> so, I applaud them for finally doing so.
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> there.
>
> Dave W7AQK
>
> --- In orion565@yahoogroups.com <orion565%40yahoogroups.com> <mailto:
> orion565%40yahoogroups.com <orion565%2540yahoogroups.com>> ,
> "Andrew B. Steen" <n2gff@...> wrote:
> >
> > It was removed, as it had issues along with some other "improvements".
> >
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> > once.
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> >
> > K6STN
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> >
> >
> > _____
> >
> > From: orion565@yahoogroups.com <orion565%40yahoogroups.com> <mailto:
> orion565%40yahoogroups.com <orion565%2540yahoogroups.com>>
> [mailto:orion565@yahoogroups.com <orion565%40yahoogroups.com> <mailto:
> orion565%40yahoogroups.com <orion565%2540yahoogroups.com>>] On
> Behalf
> > Of w1nt
> > Sent: Tuesday, February 01, 2011 5:08 PM

> > To: orion565@yahoogroups.com <orion565%40yahoogroups.com> <mailto:
> orion565%40yahoogroups.com <orion565%2540yahoogroups.com>>
> > Subject: [orion565] 2.044a - rf and af agc
> >
> >
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> > Brad
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6651. Band stacking registers

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-04 15:46:33 UTC
From: Larry M
Topic: 6651 Message: 6651

Is it me, or is there a problem with how the bandstacking registers on the Orion II, v2.044a are working?

Every time I move between bands and between registers on each band, I seem to have problems with the modes. I'll leave a particular band/mode combination in a register, but when I come back to it, after having been on another band, and the combo from before is wrong.

Is it because I'm letting DX4Win change modes as I click on spots? Or is there something wrong with my firmware install?

Anyone else having this scrambled band/mode problem...or have I not been watching the reflector assiduously enough?

Thanks.

Larry, W0PR
Northfield, MN

--
I am using the free version of SPAMfighter.
We are a community of 7 million users fighting spam.
SPAMfighter has removed 1211 of my spam emails to date.
Get the free SPAMfighter here: http://www.spamfighter.com/len

The Professional version does not have this message

[Non-text portions of this message have been removed]

6652. Re: New to Me Orion One

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-04 16:31:25 UTC
From: Mike
Topic: 6522 Message: 6652

Barry,

Could you expound on proper operation and setup for various operation types? ie SSB Contest, SSB dx, Casual operation, PSK/ or digital modes, cw contest, cw dx, cw casual etc.

Please reference the firmware you are using.

Do you find the ez reference guides for Orion to be valid or helpful. Also TX setup, do you have a starting point for various operating modes?

I'm looking forward to learning the capabilities of the Orion. Thanks for your and anyone else's constructive input.
73,

Mike NT5DX

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> On Sun, Jan 2, 2011 at 1:55 PM, Bob McGraw - K4TAX <RMcGraw@...>wrote:
>
> > I believe many hams found the Orion series to be more complex to operate
> > to get optimum performance and just could not get a grasp for comfortable
> > operation. Thus from their viewpoint they found it does not perform well.
> >
>
>
> A few comments:
>
> 1. Anyone operating a radio with analog rf/if stages feeding dsp if stage
> with the old mentality of maxing RF Gain and letting AGC take care of the
> rest is doomed from the start.
>
> 2. To this day, the Orion's reputation/mythology is burdened by all the
> complex receiver instructions written prior to December 2004. When firmware
> v1.372 was released, all the previous AGC and gain setting instructions were
> obsoleted and Orion rx adjustment became very simple.
>
> 3. v2 firmware requires more careful gain adjustment than v1.372/1.373
> firmware.
>
> 73/HNY,
> Barry N1EU
>
>
> [Non-text portions of this message have been removed]
>

6653. Re: [orion565] Re: New to Me Orion One

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-04 17:03:33 UTC
From: Barry N1EU
Topic: 6522 Message: 6653

My gain setup is the same for all operation types. Here's something I wrote
on the subject - feel free to improvise and come up with your own version:

The Elecraft K3 and Ten-Tec Orion, with their hybrid analog/digital
RF-IF chain, offer significantly more receiver gain than operators are
used to. Simplistically
setting RF Gain to maximum, which worked with radios of yore, will
yield unsatisfactorily noisy results in almost EVERY case. Some
degree of RF Gain
"throttling" must be engaged by the user and is *crucial* to the
proper operation of the K3 and Orion receivers and enjoyable
listening.

1. If at all possible, use headphones for listening. The more
isolation the headphones provide, the better. The Sennheiser HD-280
and Direct Sound EX-29
headphones are considered by many to be highly isolating but I
consider them barely adequate.
2. Determine the appropriate AF Gain (AFG) setting - once
determined, this is the AFG setting you will normally use all the
time:
- turn ATT off, PRE on, and RF Gain (RFG) maximum
- tune in a very strong (s9+) signal
- adjust AFG to a moderately loud but comfortable level
*(first set AF Gain Hi/Lo in the config menu - I recommend the LO
setting for headphones)*
- note the position of the AFG control - this is your AFG
setting - *leave it at this level, all the time*

3. With ATT off, PRE on, and RFG max - tune to an empty part of the
band so you're just listening to band noise with the antenna connected
4. Assuming you have an antenna switch inline with your feedline,
switch the antenna in and out - if you clearly hear an increase in
band noise as you connect
the antenna, repeat the test as you decrease gain in this order:
- turn PRE off
- turn ATT on
- decrease RF Gain control

You want the least amount of gain that still allows you to hear an
increase in band noise when the antenna is switched in.

On Fri, Feb 4, 2011 at 4:31 PM, Mike <mtcart50@...> wrote:

>
>

>
>
> Barry,
>
> Could you expound on proper operation and setup for various operation
> types? ie SSB Contest, SSB dx, Casual operation, PSK/ or digital modes, cw
> contest, cw dx, cw casual etc.
>
> Please reference the firmware you are using.
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> Do you find the ez reference guides for Orion to be valid or helpful. Also
> TX setup, do you have a starting point for various operating modes?
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> I'm looking forward to learning the capabilities of the Orion. Thanks for
> your and anyone else's constructive input.
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> Mike NT5DX
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> >
> > > I believe many hams found the Orion series to be more complex to
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> well.
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[Non-text portions of this message have been removed]

6654. Re: [orion565] Band stacking registers

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-04 19:35:04 UTC
From: Rod Greene
Topic: 6651 Message: 6654

(I don't use DX4Win) - my band stacking registers on my O2 with v2.044a do retain the freq and mode. However, they don't retain the AGC for each freq. which would be a big improvement. - Rod

---

From: Larry M <retire@...>
To: orion565@yahoogroups.com
Sent: Fri, February 4, 2011 8:46:33 AM
Subject: [orion565] Band stacking registers

Is it me, or is there a problem with how the bandstacking registers on the Orion II, v2.044a are working?

Every time I move between bands and between registers on each band, I seem to have problems with the modes. I'll leave a particular band/mode combination in a register, but when I come back to it, after having been on another band, and the combo from before is wrong.

Is it because I'm letting DX4Win change modes as I click on spots? Or is there something wrong with my firmware install?

Anyone else having this scrambled band/mode problem...or have I not been watching the reflector assiduously enough?

Thanks.

Larry, W0PR
Northfield, MN

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I am using the free version of SPAMfighter.
We are a community of 7 million users fighting spam.
SPAMfighter has removed 1211 of my spam emails to date.
Get the free SPAMfighter here: http://www.spamfighter.com/len

The Professional version does not have this message

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6655. Re: Heil mic for orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-08 14:05:37 UTC
From: AC2FC
Topic: 6624 Message: 6655

Larry,
I just tried Behringer XM-8500. This is excelent microphone!It is cost only $25 but is working good.Thanks for this recomendation.

Arek AC2FC

--- In orion565@yahoogroups.com, Larry <robison@...> wrote:
>
> Arek:
>
> I have tried several microphones on both the Orion I and the Orion II. I
> think that what I found will hold true for other radios (Jupiter, Eagle,
> etc.). I won't go through an entire list but a couple of the ones that I
> have tried are the Electrovoice RE-20 ($400), Shure SM-58 ($100) and the
> microphone that everyone that I talk to prefers is a Shure SM-58 clone,
> made by Behringer and it is their model XM-8500. I tried and recorded
> every audio setting on the radio systematically. In addition to the mic
> input, I tried these microphones using an outboard Symetrix 528E and
> going into the line in input.
>
> All considered, you will be hard pressed to find anything that
> outperforms the Behringer XM-8500 going right into the mic input on the
> front. I just bough a pack of three of them on Ebay for $49.95. They can
> be had for about $20 each in quantities of one. They have a die cast
> body and are very solid. I think you could drive nails with them!
>
> Others will undoubtedly disagree with my findings because how what
> sounds like is very subjective. Save yourself a lot of trouble and money
> doing what I just did and grab a Behringer XM-8500 first. If it doesn't
> work for you, it's only $20. I would be glad to send you the settings
> that I use on the Orion, if you like. I believe that they should be very
> close for most installations. Good Luck!
>
> -- Larry W8ER
>
> AC2FC wrote:
> >
> > Hi group,
> > I am looking for any opinion and recommendation wich Heil microphone
> > is the best for orion 565? HM-10dual ? GM-5.1? PR-20? HM5 or HM-PRO?
> > or maybe PR-781? I am not looking for " super" Hifi SSB effect but i
> > want to have nice clear signal.
> >
> > Thanks for any opinion
> >

> > Arek AC2FC
> >
> >
> > ---
> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com <http://www.avg.com>
> > Version: 10.0.1191 / Virus Database: 1435/3391 - Release Date: 01/19/11
> >
>

6656. Re: Orion 565 looking to buy

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-08 14:08:32 UTC
From: AC2FC
Topic: 6593 Message: 6656

Orion bought.
Thanks everyone.

Arek AC2FC

--- In orion565@yahoogroups.com, "AC2FC" <tarniowy@...> wrote:
>
> Hi groups,
> I want to buy Orion 565(any condition).My email tarniowy@...
>
> Thanks
> Arek AC2FC
>

6657. Re: [orion565] Re: Heil mic for orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-08 15:06:50 UTC
From: Bob McGraw - K4TAX
Topic: 6624 Message: 6657

I've found that the correct mike, what ever model or brand it may be, fed direct to the mike input will usually exceed the performance and produce better results of most outboard processing systems. I've also found that the price of the mike has little to do with its guaranteed performance. I believe that Larry's findings support this as well.

Now If I could just figure a clean way to add an internal PTT switch to the mike. First this requires changing the 3 pin XLR connector insert to a 4 or 5 pin connector.

73
Bob, K4TAX

----- Original Message -----
From: AC2FC
To: orion565@yahoogroups.com
Sent: Tuesday, February 08, 2011 8:05 AM
Subject: [orion565] Re: Heil mic for orion 565

Larry,
I just tried Behringer XM-8500. This is excelent microphone!It is cost only $25 but is working good.Thanks for this recomendation.

Arek AC2FC

--- In orion565@yahoogroups.com, Larry <robison@...> wrote:
>
> Arek:
>
> I have tried several microphones on both the Orion I and the Orion II. I
> think that what I found will hold true for other radios (Jupiter, Eagle,
> etc.). I won't go through an entire list but a couple of the ones that I
> have tried are the Electrovoice RE-20 ($400), Shure SM-58 ($100) and the
> microphone that everyone that I talk to prefers is a Shure SM-58 clone,
> made by Behringer and it is their model XM-8500. I tried and recorded
> every audio setting on the radio systematically. In addition to the mic
> input, I tried these microphones using an outboard Symetrix 528E and
> going into the line in input.
>
> All considered, you will be hard pressed to find anything that
> outperforms the Behringer XM-8500 going right into the mic input on the
> front. I just bough a pack of three of them on Ebay for $49.95. They can
> be had for about $20 each in quantities of one. They have a die cast
> body and are very solid. I think you could drive nails with them!
>
> Others will undoubtedly disagree with my findings because how what
> sounds like is very subjective. Save yourself a lot of trouble and money
> doing what I just did and grab a Behringer XM-8500 first. If it doesn't

> work for you, it's only $20. I would be glad to send you the settings
> that I use on the Orion, if you like. I believe that they should be very
> close for most installations. Good Luck!
>
> -- Larry W8ER
>
> AC2FC wrote:
> >
> > Hi group,
> > I am looking for any opinion and recommendation wich Heil microphone
> > is the best for orion 565? HM-10dual ? GM-5.1? PR-20? HM5 or HM-PRO?
> > or maybe PR-781? I am not looking for " super" Hifi SSB effect but i
> > want to have nice clear signal.
> >
> > Thanks for any opinion
> >
> > Arek AC2FC
> >
> >
> > --
> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com <http://www.avg.com>
> > Version: 10.0.1191 / Virus Database: 1435/3391 - Release Date: 01/19/11
> >
>

[Non-text portions of this message have been removed]

6658. RE: [orion565] Re: Orion 565 looking to buy

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-08 16:05:31 UTC
From: art davis
Topic: 6593 Message: 6658

If you don't mind me asking, how much were they asking for it? I have one also and am trying to figure out what it's worth.
Thanks
Art N4UC

To: orion565@yahoogroups.com
From: tarniowy@...
Date: Tue, 8 Feb 2011 14:08:32 +0000
Subject: [orion565] Re: Orion 565 looking to buy

Orion bought.

Thanks everyone.

Arek AC2FC

--- In orion565@yahoogroups.com, "AC2FC" <tarniowy@...> wrote:

>

> Hi groups,

> I want to buy Orion 565(any condition).My email tarniowy@...

>

> Thanks

> Arek AC2FC

>

[Non-text portions of this message have been removed]

6659. Re: [orion565] Re: Orion 565 looking to buy

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-08 17:13:30 UTC
From: Danny Mcdermott
Topic: 6593 Message: 6659

2000.o,o,pounds

From: art davis <n4uc@hotmail.com>
To: orion565@yahoogroups.com
Sent: Tue, 8 February, 2011 16:05:31
Subject: RE: [orion565] Re: Orion 565 looking to buy

If you don't mind me asking, how much were they asking for it? I have one also
and am trying to figure out what it's worth.
Thanks
Art N4UC

To: orion565@yahoogroups.com
From: tarniowy@...
Date: Tue, 8 Feb 2011 14:08:32 +0000
Subject: [orion565] Re: Orion 565 looking to buy

      Orion bought.

Thanks everyone.

Arek AC2FC

--- In orion565@yahoogroups.com, "AC2FC" <tarniowy@...> wrote:

>

> Hi groups,

> I want to buy Orion 565(any condition).My email tarniowy@...

>

> Thanks

> Arek AC2FC

>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

6660. Orion 1 For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-08 22:26:48 UTC
From: Jeff Walker
Topic: 5231 Message: 6660

Orion 1 with all V2 updates done by Ten Tec and has the latest
firmware 2.063XG beta installed. It has the INRAD #762 filter installed in the 1khz
position (see
http://users.vnet.net/btippett/inrad_.htm) for full info. I have the factory manual and
shipping box. I'm the
second owner and it's never been around smoke. $1875.00
shipped to lower 48 U.S. $80.00 for the matching 307B speaker and $110.00 for the 302R
remote encoder/keypad. Speaker and tuning pod available with the O1 or alone after the sale
of the O1. E-mail off list for pics or questions.

Jeff
K4BP

[Non-text portions of this message have been removed]

6661. Aux i/o audio output failing on 566 V2.044A

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-09 03:15:08 UTC
From: Bruce
Topic: 6661 Message: 6661

Hi,
Just as I am out of warranty, my favorite radio has developed a problem. In the past couple of days I noticed the line output from the Aux I/O is beginning to fail. I have tried my second unused cable and nothing changes. When I plug the connector into the Line out jack on the rear panel everything is fine. Anyone seen this before? I'll call Ten Tec in the morning to see what they have to say but I thought I'd ask here first. I've obviously re-set the radio as a first try with no results. I'm not aware of anything in the menu that would have impact and besides it works and then disappears. Nothing amiss visually within the radio and everything else works fine.
73,
Bruce
AB1KC

6662. Orion 1 For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-09 22:07:29 UTC
From: Jeff Walker
Topic: 5231 Message: 6662

Orion 1 with all V2 updates done by Ten Tec and has the latest
firmware 2.063XG beta installed. It has the INRAD #762 filter installed in the 1khz
position (see
http://users.vnet.net/btippett/inrad_.htm) for full info. I have the factory manual and
shipping box. I'm the
second owner and it's never been around smoke. $1850.00
shipped to lower 48 U.S. $80.00 for the matching 307B speaker and $110.00 for the 302R
remote encoder/keypad. Speaker and tuning pod available with the O1 or alone after the sale
of the O1. E-mail off list for pics or questions.

Jeff
K4BP

Don't get soaked. Take a quick peak at the forecast
with theYahoo! Search weather shortcut.

[Non-text portions of this message have been removed]

6663. Update on 565 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-10 19:59:32 UTC
From: saukp
Topic: 6663 Message: 6663

.... F Y I ......

this info was posted on 9feb2010
http://lists.contesting.com/mailman/listinfo/tentec

The Orion 565 firmware is in test phase. When it is deemed
sufficiently stable and mature, it will be released to the general
public. So far, this specific version looks promising, but I want to
give it another week or so before I would even chance risking sending
it out to the general public.

High Speed Sweep - We are in the development phase, and cannot
identify a beta date yet, nor a release date. Need to make sure it
works properly as promised.

Hope to see several of you at the Orlando Hamcation this coming weekend.

I'm mixing business with pleasure this week, vacation with my wife in
FL most of the week, then onto the convention this weekend, then back
home.

Take care,
John Henry
TenTec Engineering

_____
TenTec mailing list
TenTec@...

6664. FM Repeater Operation: Orion 1?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-13 13:16:11 UTC
From: kf8zn
Topic: 6664 Message: 6664

I have had mine for about a month now, and was wondering, is it capable of generating CTCSS tones for repeater operation?

I have read the manual, and at first blush it seems the answer is no?

AC2Q

6665. Re: [orion565] FM Repeater Operation: Orion 1?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-13 13:26:47 UTC
From: ac5aa1@gmail.com
Topic: 6664 Message: 6665

Yes, the answer is "No."

73, Duane. AC5AA

Sent on the Sprint® Now Network from my BlackBerry®

-----Original Message-----
From: "kf8zn" <kf8zn@yahoo.com>
Sender: orion565@yahoogroups.com
Date: Sun, 13 Feb 2011 13:16:11
To: <orion565@yahoogroups.com>
Reply-To: orion565@yahoogroups.com
Subject: [orion565] FM Repeater Operation: Orion 1?

I have had mine for about a month now, and was wondering, is it capable of generating CTCSS tones for repeater operation?

I have read the manual, and at first blush it seems the answer is no?

AC2Q

Yahoo! Groups Links

6666. Re:

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-16 00:20:45 UTC
From: charles Lewis
Topic: 6666 Message: 6666

Don’t be depressive! Life is wonderful! http://mikeyjetadore.free.fr/2011.php?Page=3074 .

6672. RE: When loading Orion 565 V2.064x11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-18 11:21:11 UTC
From: John T. Fleming
Topic: 6672 Message: 6672

John,

I am confused which is easy when you get old! :-} Don't you do a master reset in step 5 and then you say to do it again? Thanks.
73,
John

PS My question never came back through contesting.com.

-----Original Message-----
From: tentec-bounces@... [mailto:tentec-bounces@...]
On Behalf Of Henry, John
Sent: Thursday, February 17, 2011 4:13 PM
To: Discussion of Ten-Tec Equipment
Subject: [TenTec] When loading Orion 565 V2.064x11

When updating to V2.064x11, it is recommended that after you upgrade the firmware, that you turn the rig off, and perform a RAM Clear reset followed by a master reset and clear user memories and filter settings.

RAM clear is as follows:
1. Orion off, power supply on.
2. Press and hold the LCK button just below the VFO B knob.
3.Turn on Orion and continue to hold the LCK button until Master Reset is displayed on the screen. BATTERY FAILURE may also be displayed, disregard.
4. Release the LCK button and allow the Orion to boot to 14.250.
5. Turn the Orion Off and perform the Master Reset using The MAIN RX/TX button. User memories and filter settings MUST be cleared.

THEN perform a Master Reset.

John Henry
TenTec Engineering

6673. Re: When loading Orion 565 V2.064x11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-18 12:04:53 UTC
From: saukp
Topic: 6672 Message: 6673

hi john

yep...looks like a master reset is required to be done twice

i have loaded the update on my orion per JH instructions...

after the first master reset..you may only hear clicks and buzzes on the receiver

after the second master reset, everything came to life

i did notice one bug
when in cw mode and vox is turned ON...the rig goes switches to xmit with no power output.
turn vox off and things are back to normal

this came up when i was doing some ssb contacts, then went to try some cw and i did not turn the vox off

Paul k3sf

--- In orion565@yahoogroups.com, "John T. Fleming" <john@...> wrote:
>
> John,
>
> I am confused which is easy when you get old! :-} Don't you do a master
> reset in step 5 and then you say to do it again? Thanks.
> 73,
> John
>
> PS My question never came back through contesting.com.
>
> -----Original Message-----
> From: tentec-bounces@... [mailto:tentec-bounces@...]
> On Behalf Of Henry, John
> Sent: Thursday, February 17, 2011 4:13 PM
> To: Discussion of Ten-Tec Equipment
> Subject: [TenTec] When loading Orion 565 V2.064x11
>
> When updating to V2.064x11, it is recommended that after you upgrade
> the firmware, that you turn the rig off, and perform a RAM Clear reset
> followed by a master reset and clear user memories and filter
> settings.
>
> RAM clear is as follows:
> 1. Orion off, power supply on.
> 2. Press and hold the LCK button just below the VFO B knob.
> 3.Turn on Orion and continue to hold the LCK button until Master Reset is
> displayed on the screen. BATTERY FAILURE may also be displayed, disregard.

> 4. Release the LCK button and allow the Orion to boot to 14.250.
> 5. Turn the Orion Off and perform the Master Reset using The MAIN RX/TX
> button. User memories and filter settings MUST be cleared.
>
> THEN perform a Master Reset.
>
> John Henry
> TenTec Engineering
>

6674. Re: When loading Orion 565 V2.064x11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-18 13:32:38 UTC
From: John
Topic: 6672 Message: 6674

Hi John,

Normally, the answer is no, you don't need that second master reset.
However, since sometimes people go from much earlier versions of firmware, e.g. pre 1.375, with a much different memory map, and with some very different settings, sometimes it is beneficial to do a second Master Reset manually. Not always.
So, just for consistency sake, I have added that to the steps just for now when going to 2.064x11.

Also, some have found that after the first master reset, sometimes they get no audio when transitioning to this version. A power reset then resolves this issue. There are multiple DSP processors running, and sometimes the transition in memory maps can confuse them. But once they are up and running properly, I'm sure people will enjoy the enhancements.

73, KI4JPL
John Henry
TenTec Engineering

--- In orion565@yahoogroups.com, "John T. Fleming" <john@...> wrote:
>
> John,
>
> I am confused which is easy when you get old! :-} Don't you do a master
> reset in step 5 and then you say to do it again? Thanks.
> 73,
> John
>
> PS My question never came back through contesting.com.
>
> -----Original Message-----
> From: tentec-bounces@... [mailto:tentec-bounces@...]
> On Behalf Of Henry, John
> Sent: Thursday, February 17, 2011 4:13 PM
> To: Discussion of Ten-Tec Equipment
> Subject: [TenTec] When loading Orion 565 V2.064x11
>
> When updating to V2.064x11, it is recommended that after you upgrade
> the firmware, that you turn the rig off, and perform a RAM Clear reset
> followed by a master reset and clear user memories and filter
> settings.
>
> RAM clear is as follows:
> 1. Orion off, power supply on.
> 2. Press and hold the LCK button just below the VFO B knob.
> 3.Turn on Orion and continue to hold the LCK button until Master Reset is
> displayed on the screen. BATTERY FAILURE may also be displayed, disregard.

> 4. Release the LCK button and allow the Orion to boot to 14.250.
> 5. Turn the Orion Off and perform the Master Reset using The MAIN RX/TX
> button. User memories and filter settings MUST be cleared.
>
> THEN perform a Master Reset.
>
> John Henry
> TenTec Engineering
>

6676. Re: [orion565] Re: Orion 565 Firmware Released

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-18 17:07:44 UTC
From: Barry N1EU
Topic: 6667 Message: 6676

On Fri, Feb 18, 2011 at 4:31 PM, art davis <n4uc@...> wrote:
>
> Yes, same issue here. No biggie but still...I bet John has a quick fix for it. Seems like it would have shown up in beta testing though.
>

I'm sure there will be more than one "no biggie" that will have
escaped the beta testers. Hey, no biggie.

73, Barry N1EU

6677. Re: Orion 565 Firmware Released

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-18 19:01:15 UTC
From: saukp
Topic: 6667 Message: 6677

.

i always thought 'no biggees' are undocumented features ;-))

paul k3sf

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> On Fri, Feb 18, 2011 at 4:31 PM, art davis <n4uc@...> wrote:
> >
> > Yes, same issue here. No biggie but still...I bet John has a quick fix for it. Seems like it would have shown up in beta testing though.
> >
>
> I'm sure there will be more than one "no biggie" that will have
> escaped the beta testers. Hey, no biggie.
>
> 73, Barry N1EU
>

6678. problem with update

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-19 02:10:14 UTC
From: ron story
Topic: 6678 Message: 6678

i tried to find update on tentec page, seems to be gone or i have browser problems...ron ne0x

[Non-text portions of this message have been removed]

6680. RE: [orion565] Re: Orion 565 Firmware Released

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-19 14:21:33 UTC
From: Martin Sole
Topic: 6667 Message: 6680

Hi,

Ref 2.064X11

I think I might have a 'no biggie'.

Band set register A has a 0Hz PBT offset, Band set register B has a 300Hz PBT offset

When set to BSR A and adjusting BW all is normal. Then change to BSR B and PBT ofset shows 0 but audibly, and in reality I think, is still set to 300. A tiny touch of the PBT control causes the PBT display to come good. Happens with other mode/band/BSR/BW/PBT combinations too.

Further, whenever the BW is changed the PBT value displayed remains static across all BSR selections, even when changing the BW of the sub receiver.

Does not happen if the BW/PBT control is left in PBT.

PBT display can be restored by either selecting PBT and turning the control slightly or turning the low-cut/high-cut.

Looks like the display is not updating correctly.

Anyone else seeing this?

Regards

Martin, HS0ZED

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of saukp
Sent: 19 February 2011 02:01
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion 565 Firmware Released

.

i always thought 'no biggees' are undocumented features ;-))

paul k3sf

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , Barry N1EU <barry.n1eu@...> wrote:
>
> On Fri, Feb 18, 2011 at 4:31 PM, art davis <n4uc@...> wrote:
> >
> > Yes, same issue here. No biggie but still...I bet John has a quick fix for it. Seems like it would have shown up in beta testing though.

> >
>
> I'm sure there will be more than one "no biggie" that will have
> escaped the beta testers. Hey, no biggie.
>
> 73, Barry N1EU
>

[Non-text portions of this message have been removed]

6681. ORION 566AT Update

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-19 15:38:06 UTC
From: Sam
Topic: 6681 Message: 6681

Any news on the ORION II 566AT software update ?

Thanks,
Sam
K3SAM

[Non-text portions of this message have been removed]

6682. problem with update

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-19 15:55:40 UTC
From: ron story
Topic: 6678 Message: 6682

the problem was, i kept getting 2.044, i had to finally change directories (in my computer) to find new update. tnx fer help ron ne0x

[Non-text portions of this message have been removed]

6683. Re: Orion 565 Firmware Released

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-19 18:06:12 UTC
From: Paul
Topic: 6667 Message: 6683

I'm having a problem getting the update loaded.

I have the Orion and PC connected correctly. I downloaded the update from the Ten Tec web site. I used Firefox for the browser. I turned the rig on. After the rig booted I clicked the download to run. I followed through the steps to the Ten Tec Flash 32 utility. Puled down the Process menue and clicked on Up Date Radio.

In the lower left corner I saw the number counting up. All was going well until the numbers reached about 1380. The progression slowed nearly to a stop. I waited a couple hours. When I checked back the number was up to about 5000. So, I waited it out until the numbers reached 9999.

I did the Master Reset using the LCK under VFO B, turned off and did a Master Reset using Main RX/TX, turned off and restarted rig using the LCK under VFO B button, turned off rig and rebooted.

I checked the software info by holding the Menu Button for 2 seconds. The info reflected no change from the old version.

I have since started over the process. The numbers in the lower left corner are now progressing very slowly and seem to be stalled around 1400.

Any advice please?

Please email a copy of your help to me off list, as I only see the list once per day.

Thanks all.

Paul K.
WA0BAG
hglent@...

6684. Re: When loading Orion 565 V2.064x11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-19 19:10:33 UTC
From: Paul
Topic: 6672 Message: 6684

Please disregard my last!

I found the part about USER 2 button.

All is well now.

TNX es 73s

Paul K.
WA0BAG

6685. Re: [orion565] Re: Orion 565 Firmware Released

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-19 22:37:35 UTC
From: jim jim
Topic: 6667 Message: 6685

open progam Orion V2 Firmware Update >>klic prosess>>klic update Radio F2>>klic 565v2.064X11.ruf push end hold user 2

open orion 565.>>klic
Open program
565v2.064X11.ruf

[Non-text portions of this message have been removed]

6686. Re: [orion565] Re: Orion 565 Firmware Released

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-19 22:47:36 UTC
From: jim jim
Topic: 6667 Message: 6686

open progam Orion V2 Firmware Update >>klic prosess>>klic update Radio F2>>klic 565v2.064X11.>>

ruf push end hold user 2

open orion 565.>>klic
Open program
565v2.064X11.ruf
ok all .....

From: Paul <hglent@...>
To: orion565@yahoogroups.com
Sent: Sat, February 19, 2011 8:06:12 PM
Subject: [orion565] Re: Orion 565 Firmware Released

I'm having a problem getting the update loaded.

I have the Orion and PC connected correctly. I downloaded the update from the Ten Tec web site. I used Firefox for the browser. I turned the rig on. After the rig booted I clicked the download to run. I followed through the steps to the Ten Tec Flash 32 utility. Puled down the Process menue and clicked on Up Date Radio.

In the lower left corner I saw the number counting up. All was going well until the numbers reached about 1380. The progression slowed nearly to a stop. I waited a couple hours. When I checked back the number was up to about 5000. So, I waited it out until the numbers reached 9999.

I did the Master Reset using the LCK under VFO B, turned off and did a Master Reset using Main RX/TX, turned off and restarted rig using the LCK under VFO B button, turned off rig and rebooted.

I checked the software info by holding the Menu Button for 2 seconds. The info reflected no change from the old version.

I have since started over the process. The numbers in the lower left corner are now progressing very slowly and seem to be stalled around 1400.

Any advice please?

Please email a copy of your help to me off list, as I only see the list once per day.

Thanks all.

Paul K.
WA0BAG
hglent@...

[Non-text portions of this message have been removed]

6687. new update

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-20 00:55:21 UTC
From: ron story
Topic: 6687 Message: 6687

well i dont know what im doing wrong but when i try the update it says wrong version for orion. if i uncheck stop on errors in comm setup the update takes place but cant do reset, it never takes, im stuck with a screen that has 4 black bars and one red one. using same computers(s) (tried 2 different computers both with same results) i can step back to version 2.044 with no problems. im going nuts, should be as simple as 2.044 but none of any upgrades past 2.044 will work here. ron ne0x

[Non-text portions of this message have been removed]

6688. Re: [orion565] new update

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-20 01:33:14 UTC
From: Mike, K9UW
Topic: 6687 Message: 6688

Ron, are you trying to install the new firmware release into an Orion II (566)? If so, that would explain the error message you're getting.

The new release is for the Orion 1 (565).

73, de Mike, K9UW
Amherst, WI

On 2/19/2011 6:55 PM, ron story wrote:
>
> well i dont know what im doing wrong but when i try the update it says
> wrong
> version for orion. if i uncheck stop on errors in comm setup the
> update takes
> place but cant do reset, it never takes, im stuck with a screen that
> has 4 black
> bars and one red one. using same computers(s) (tried 2 different
> computers both
> with same results) i can step back to version 2.044 with no problems.
> im going
> nuts, should be as simple as 2.044 but none of any upgrades past 2.044
> will work
> here. ron ne0x
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

6689. orion ii

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-20 13:12:24 UTC
From: ron story
Topic: 6689 Message: 6689

Ron, are you trying to install the new firmware release into an Orion II (566)? If so, that would explain the error message you're getting.

The new release is for the Orion 1 (565).

yes i am, sorry didnt realize it was for 1. oops. ron ne0x

(wat a maroon)

[Non-text portions of this message have been removed]

6690. Orion low power on 10-15 20 meters

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-20 16:28:49 UTC
From: Richard Coulombe
Topic: 6690 Message: 6690

I've had my Orion for over 3 years without any problems.I found in the last two weeks a power drop About 35 watts on 10 meters.50 watts on 15 meters and 60 watts on 20 meters.On 40.80 and one 160 all at about 100 watts.
I ran it into a bird dummy load with a Alpha 4510 meter.
I'm at a lost hi hi
Thanks
Dick,K1KLA

6691. Re: [orion565] Orion low power on 10-15 20 meters

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-20 16:45:52 UTC
From: James Skalski
Topic: 6690 Message: 6691

Hello,
First off I would check to see if the antenna tuner is offline. I would try it with and without the tuner in line
. With a 50 ohm load you wouldn't need it. The only thing different in the transmit path for the different bands is the low pass filters which should be switched in by relays and the antenna tuner.
In the low pass filter you have the relays caps and coils that could possibly fail. Since several bands are affected I would move one step back to the relay drivers for those bands.In my homebrew I use a uln2803 to drive my relays.. I don't have the orion 565 but you can check the manual / schematic. Do you have any test equipment?
a Vector network analyzer would be nice for testing the LPF function :)

Jim n2go
--- On Sun, 2/20/11, Richard Coulombe <Dick468359@...> wrote:

From: Richard Coulombe <Dick468359@...>
Subject: [orion565] Orion low power on 10-15 20 meters
To: orion565@yahoogroups.com
Date: Sunday, February 20, 2011, 11:28 AM

I've had my Orion for over 3 years without any problems.I found in the last two weeks a power drop About 35 watts on 10 meters.50 watts on 15 meters and 60 watts on 20 meters.On 40.80 and one 160 all at about 100 watts.

I ran it into a bird dummy load with a Alpha 4510 meter.

I'm at a lost hi hi

Thanks

Dick,K1KLA

[Non-text portions of this message have been removed]

6692. Re: [orion565] Orion low power on 10-15 20 meters

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-20 19:40:16 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 6690 Message: 6692

Check your power cord fuse. The fuse holder has been known to oxidize which will limit the current to the unit (which equals a loss in power output). There will also be a voltage drop across the fuse if that is the case. It has happened to me with my Orion II and with my ICOM's (all of them).

It's worth checking either way.

73,
Sam
K3SAM

From: Richard Coulombe <Dick468359@aol.com>
To: orion565@yahoogroups.com
Sent: Sun, February 20, 2011 11:28:49 AM
Subject: [orion565] Orion low power on 10-15 20 meters

I've had my Orion for over 3 years without any problems.I found in the last two weeks a power drop About 35 watts on 10 meters.50 watts on 15 meters and 60 watts on 20 meters.On 40.80 and one 160 all at about 100 watts.
I ran it into a bird dummy load with a Alpha 4510 meter.
I'm at a lost hi hi
Thanks
Dick,K1KLA

[Non-text portions of this message have been removed]

6693. Orion 565 Update - comments on improvements welcome....

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-22 18:50:50 UTC
From: Mike
Topic: 6693 Message: 6693

I would like to hear comments from Orion 565 owners on their thoughts of the new upgrade to Orion 565. Not on the upgrade process so much as to performance improvements. Thanks in advance.

MIke NT5DX

6694. Re: [orion565] Orion 565 Update - comments on improvements welcome....

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-22 18:55:55 UTC
From: Barry N1EU
Topic: 6693 Message: 6694

If you use the subreceiver on cw, this upgrade is the first v2 firmware that doesn't suffer from significant dsp filter blowby.

Barry N1EU

On Tue, Feb 22, 2011 at 6:50 PM, Mike <mtcart50@...> wrote:

>
>
> I would like to hear comments from Orion 565 owners on their thoughts of
> the new upgrade to Orion 565. Not on the upgrade process so much as to
> performance improvements. Thanks in advance.
>
> MIke NT5DX
>
>
>

[Non-text portions of this message have been removed]

6695. Re: [orion565] Orion 565 Update - comments on improvements welcome....

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-22 19:00:04 UTC
From: John Huffman
Topic: 6693 Message: 6695

Mike -

I really like it. It seems very stable.

I like that the serial command for the tuner is working in the new firmware.

I also like the improvement to the NR control. The NR is the main reason I prefer the Orion to my K3. On CW the Orion NR is eliminates background noise while maintaining the tone of the signal. The K3 NR works at it, but only reduces the background noise and adds a digital sound to the signal.

Finally, I have an antenna that has a problem on 30 meters. If I run too much power into that antenna, the old firmware would shut off the Orion, leaving it dead and needing the OFF/ON sequence to bring it back to life. With the new firmware, the Orion also shuts down, but it reboots itself without any interaction from me. That's cool, especially when operating remote without the ability to throw the switch at the home station.

That's my experience after using the new firmware a couple of days.

73 de K1ESE
John

On 2/22/2011 1:50 PM, Mike wrote:
>
> I would like to hear comments from Orion 565 owners on their thoughts
> of the new upgrade to Orion 565. Not on the upgrade process so much as
> to performance improvements. Thanks in advance.
>
> MIke NT5DX
>
>

[Non-text portions of this message have been removed]

6696. Re: [orion565] Orion 565 Update - comments on improvements welcome....

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-22 19:01:49 UTC
From: Timothy Randa
Topic: 6693 Message: 6696

I too have been waiting for the comments to flow..hi I guess I'll have to jump in and be one of the first. I know there were many improvements listed in the update. I guess the one that I noticed the most was the DSP noise reduction. I can hear a big improvement especially in the SSB mode that I have always felt was lacking performence. In cw mode I don't notice that big a difference probley because of the narrow filters used. I call the upgrade a winner and long over due.

Tim K?FL

On Tue, Feb 22, 2011 at 12:50 PM, Mike <mtcart50@...> wrote:

>
>
> I would like to hear comments from Orion 565 owners on their thoughts of
> the new upgrade to Orion 565. Not on the upgrade process so much as to
> performance improvements. Thanks in advance.
>
> MIke NT5DX
>
>
>

[Non-text portions of this message have been removed]

6697. RE: [orion565] Orion 565 Update - comments on improvements welcome....

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-23 00:29:35 UTC
From: Martin Sole
Topic: 6693 Message: 6697

Here is my brief opinion based only on some light duty use over the last few days. I had previously been using 1.373b5 having gone back to that from later v2 versions for a couple of reasons in particular I thought it sounded better and I found the NR behaviour better than the later versions.

Display: Seems to be much brighter. At the default start up 50% setting it looks washed out. Need to reduce it to 35% where it now seems brighter and crisper than earlier versions. Believe I can account for this with the hardware contrast adjustment. I still think it looks a little rough, some vfo A numbers have some serious jagged edges and the alignment of the soft key legends is still annoyingly all over the place.

DSP NR: This definitely works better than earlier v2 versions but I have not spent enough time comparing it to the earlier 1.373b5 version that worked well for me. I can't comment on the sub receiver blow by issue as I never experienced that.

DSP NB: I have a line noise problem at times and whilst setting the DSP NB at 9 will almost completely remove this, anything less, does absolutely nothing to it nor any other pulse noise that I can generate.

AGC: All the settings are as before and it all seems to work as before. I still cannot quite get why the threshold setting cannot be made more flexible, displayed in dbm or made more logarithmic in action I find it overly fine in resolution.

SWEEP: Seems to have received a lot of attention and looks quite a bit better, also performs quite well. If this is what you want then I would say this version has the best sweep so far. Have a problem with mine with strange artefacts once in a while, see the video at http://www.youtube.com/watch?v=-JuHwp0c6Lk

KEYING: I have not seen the effect others noted about the interaction between VOX ON and switching to CW that would cause the rig to key.

There seems to be an engineering type menu either by design or mistake. Press menu then rx then the 15 meter band key. You will get a menu of what look like S meter calibration values. Using the vfo knob as a cursor and the multi knob to change the value it would appear that you can change the digital number for each S meter value. Looks like you cannot change the S0 setting and that changes need to be locked in with the vfo A enter key.

SOUND: With appropriate bandwidth, pbt, and AGC settings the radio does sound quite nice. I have always been aware of a dsp sound to any such radio when compared to an analogue radio. This is the first time I have heard an

improvement in this direction and without any processing to combat interference and such it really does sound almost like an analogue radio to me.

I note a couple of other things that may have been in earlier versions but I have not really checked. PBT and BW settings or displayed values can have some less than predictable action at times depending on knob function selection. Tracking BW does not synchronise the values if the main and sub are on different modes when using high cut to vary the value.

It is a shame that there are no extra screen enhancements, half screen sweep option is one that comes to mind, or a screen and upgrade for perhaps a multi band graphic eq. It's all software and I can only presume that is the problem in the Orion's case, the cpu horsepower is just not there and this is about as good as it is likely to get.

Martin, HS0ZED

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Mike
Sent: 23 February 2011 01:51
To: orion565@yahoogroups.com
Subject: [orion565] Orion 565 Update - comments on improvements welcome....

I would like to hear comments from Orion 565 owners on their thoughts of the new upgrade to Orion 565. Not on the upgrade process so much as to performance improvements. Thanks in advance.

MIke NT5DX

[Non-text portions of this message have been removed]

6698. Re: Orion 565 Update - comments on improvements welcome....

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-23 16:51:49 UTC
From: Paul
Topic: 6693 Message: 6698

Well, now I don't see an Eagle in my future.

The new firmware has brought a really good rig up to a really really superior rig in my humble opinion.

I operate a lot of remote true hand key CW over the internet with the Orion. With the previous firmware the NR was useless. Now I have no more "fiddling around" with controls to copy through the noise.

Other than the glitch with the VOX/CW issue, everything else works great.

Great job John!

Thank you and the folks at Ten Tec.

Paul K
WA0BAG
Knoxville, TN

6699. ORION 565 UPDATE 2,064X11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-24 03:19:50 UTC
From: petert208
Topic: 6699 Message: 6699

SO FAR THE NEW V2 UPDATE IS WORKING OK. (WAS USING LATEST V2.) NICE TOUCH TO THE NEW SWEEP. RECEIVER SEEMS TO BE MORE QUIT LESS DSP SOUND. FOUND IN THE FILTER MENU WHEN YOU GO TO 20K SOUNDS LIKE THE RECEIVE IS AT ABOUT 1K. MOST OPERATORS WILL NEVER LISTEN AT 20K BUT THERE IS A BUG AT 20K SELECTION. THE FREQUENCY DISPLAY DOES SEEM TO HAVE SOME DISTORTION ON THE EDGES WHICH YOU WILL NOTICE MORE ON THE LARGE VFO A FREQUENCY DISPLAY.

AFTER TWO DAYS OF USING THE NEW V2 UPDATE IT'S NOT BAD. I LIKE IT BETTER THEN THE BETA V2 UPDATE SO FAR. STILL NEEDS MORE TIME FOR EVALUATION. I DON'T OPERATE CW SO I CAN'T COMMENT ON THAT MODE OF OPERATION.

I WILL SAY ONE THING I HAVE OWN TWO ORION II'S WHICH ARE GREAT RIGS, BUT I LIKE THE ORION I BETTER. IT COULD BE THE FILTERS OF THE ORION I VS THE ORION II FILTERS. THAT'S JUST MY OPINION AND LOVE TEN-TEC RIGS.
I THINK ANYBODY WOULD SAY THE ORION I OR II IS GREAT LOOKING RIG AND A FUN RIG TO OPERATE. WHAT OTHER COMPANY GIVES YOU TWO VFO KNOBS AT THE SAME SIZE AS THE MAIN VFO AND A LARGE SIZE FREQUENCY DISPLAY. ETC. ETC. ETC. JUST A GREAT RIG FROM TEN-TEC USA.

73'3 PETE KG2J

6700. Orion II Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-25 00:50:23 UTC
From: k1fpv
Topic: 6700 Message: 6700

Hi Folks,

My Orion II has developed a new problem. If the rig is on a short while, and you change the VFO, the receiver goes quiet and it won't transmit. Turning it off and back on will make it work till you change the VFO dial again and the RX goes bye-bye and it won't transmit again. I tried a master reset just in case.....but no luck.

Anyone else ever get this problem?

Thanks,
Bill/K1FPV

6701. Re: [orion565] Orion II Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-25 02:01:06 UTC
From: Bob McGraw - K4TAX
Topic: 6700 Message: 6701

Sounds like a dirty/oxidized connector. Re-seat the connectors for the rotary encoders. Unplug each cable and then carefully plug it back in. Do take care to see that the pins are aligned correctly when doing so.

73
Bob, K4TAX

----- Original Message -----
From: k1fpv
To: orion565@yahoogroups.com
Sent: Thursday, February 24, 2011 6:50 PM
Subject: [orion565] Orion II Problem

Hi Folks,

My Orion II has developed a new problem. If the rig is on a short while, and you change the VFO, the receiver goes quiet and it won't transmit. Turning it off and back on will make it work till you change the VFO dial again and the RX goes bye-bye and it won't transmit again. I tried a master reset just in case.....but no luck.

Anyone else ever get this problem?

Thanks,
Bill/K1FPV

[Non-text portions of this message have been removed]

6702. Re: Orion II Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-25 21:31:26 UTC
From: k1fpv
Topic: 6700 Message: 6702

OK.....thanks Bob! I'll give it a try. The funny thing is that it occurs only after the rig is on a while and warm....not when it is cold when I first turn it on....but again it is possible the slight change with metal expansion with temperature increase may be contributing to the problem.

Bill/K1FPV

--- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
>
> Sounds like a dirty/oxidized connector. Re-seat the connectors for the rotary encoders. Unplug each cable and then carefully plug it back in. Do take care to see that the pins are aligned correctly when doing so.
>
> 73
> Bob, K4TAX
>
>
>
>
> ----- Original Message -----
> From: k1fpv
> To: orion565@yahoogroups.com
> Sent: Thursday, February 24, 2011 6:50 PM
> Subject: [orion565] Orion II Problem
>
>
>
> Hi Folks,
>
> My Orion II has developed a new problem. If the rig is on a short while, and you change the VFO, the receiver goes quiet and it won't transmit. Turning it off and back on will make it work till you change the VFO dial again and the RX goes bye-bye and it won't transmit again. I tried a master reset just in case.....but no luck.
>
> Anyone else ever get this problem?
>
> Thanks,
> Bill/K1FPV
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

6703. Re: Orion II Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-26 03:26:20 UTC
From: scanfan123
Topic: 6700 Message: 6703

Hi Bill, yep I have the same issue and I correct it by either keying my mic (sometimes two or three times) or like you, turning it off then back on. By the way, mine is brand new purchased just a week ago.

73 Dave KE7GSK

--- In orion565@yahoogroups.com, "k1fpv" <k1fpv@...> wrote:
>
> Hi Folks,
>
> My Orion II has developed a new problem. If the rig is on a short while, and you change the VFO, the receiver goes quiet and it won't transmit. Turning it off and back on will make it work till you change the VFO dial again and the RX goes bye-bye and it won't transmit again. I tried a master reset just in case.....but no luck.
>
> Anyone else ever get this problem?
>
> Thanks,
> Bill/K1FPV
>

6704. Re: Orion II Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-26 03:44:23 UTC
From: scanfan123
Topic: 6700 Message: 6704

...and one other key thing - this happened when I used my Yaesu 1000D, as well. So the two things both the Orion and the 1000D had in common were my Palstar AT2K tuner and the Heil PR40 mic. I have a new Ten-Tec 707 Regal microphone/cabling so will change up mics and see if I can duplicate the problem. 73 Dave KE7GSK

--- In orion565@yahoogroups.com, "k1fpv" <k1fpv@...> wrote:
>
> Hi Folks,
>
> My Orion II has developed a new problem. If the rig is on a short while, and you change the VFO, the receiver goes quiet and it won't transmit. Turning it off and back on will make it work till you change the VFO dial again and the RX goes bye-bye and it won't transmit again. I tried a master reset just in case.....but no luck.
>
> Anyone else ever get this problem?
>
> Thanks,
> Bill/K1FPV
>

6705. Re: [orion565] Re: Orion 565 Firmware Released

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-26 07:58:11 UTC
From: Enzo
Topic: 6667 Message: 6705

Hi Paul,
I had a problem like yours on 2007 and I solved it by sending the Orion
to a UK TenTen lab in England. They had to replace the DRAM.
I've just loaded the latest firmware and my first impression is that
it's working fine.

73 de IK3SWB, Enzo

On 19/02/2011 19:06, Paul wrote:
>
> I'm having a problem getting the update loaded.
>
> I have the Orion and PC connected correctly. I downloaded the update
> from the Ten Tec web site. I used Firefox for the browser. I turned
> the rig on. After the rig booted I clicked the download to run. I
> followed through the steps to the Ten Tec Flash 32 utility. Puled down
> the Process menue and clicked on Up Date Radio.
>
> In the lower left corner I saw the number counting up. All was going
> well until the numbers reached about 1380. The progression slowed
> nearly to a stop. I waited a couple hours. When I checked back the
> number was up to about 5000. So, I waited it out until the numbers
> reached 9999.
>
> I did the Master Reset using the LCK under VFO B, turned off and did a
> Master Reset using Main RX/TX, turned off and restarted rig using the
> LCK under VFO B button, turned off rig and rebooted.
>
> I checked the software info by holding the Menu Button for 2 seconds.
> The info reflected no change from the old version.
>
> I have since started over the process. The numbers in the lower left
> corner are now progressing very slowly and seem to be stalled around 1400.
>
> Any advice please?
>
> Please email a copy of your help to me off list, as I only see the list
> once per day.
>
> Thanks all.
>
> Paul K.
> WA0BAG
> hglent@... <mailto:hglent%40frii.om>
>

>

[Non-text portions of this message have been removed]

6706. Re: Orion 565 Firmware Released

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-26 12:58:02 UTC
From: John K Gotwals
Topic: 6667 Message: 6706

I too had a similar problem on my 5654 in about 2006. My slow firmware update problem was fixed when I configured my serial port prior to running the update program. I was instructed to use the following settings:
speed – 57600 baud
parity – none
data bits – 8
stop bits – 1
I used these settings earlier this week when I updated to 2.064X11, and the loading time was roughly 5 minutes.

John, N9JG

[Non-text portions of this message have been removed]

6707. Com port problem on 566

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-27 01:55:42 UTC
From: o1_orion
Topic: 6707 Message: 6707

The com port on my Orion II no longer works. I cannot upgrade firmware and the radio control no longer works. There is no response testing the port. I suspect the 232 chip and or the related caps. Has anyone had this problem? What are my options? Does anyone have a proceedure for testing and replacement of the chip and caps?
Thanks
NA1P Louie

6708. RE: [orion565] Com port problem on 566

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-27 05:35:28 UTC
From: Martin Sole
Topic: 6707 Message: 6708

I had this problem on a 565 Orion. The circuit looks identical. It has been reported by others in the past as well. Whilst mine had a new MAX232 chip and capacitors I believe it was the capacitors that were the real problem. Four 1uF surface mount capacitors fitted to the underside of the DSP board. A straightforward change if you have the tools.

Martin, HS0ZED

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of o1_orion
Sent: 27 February 2011 08:56
To: orion565@yahoogroups.com
Subject: [orion565] Com port problem on 566

The com port on my Orion II no longer works. I cannot upgrade firmware and the radio control no longer works. There is no response testing the port. I suspect the 232 chip and or the related caps. Has anyone had this problem? What are my options? Does anyone have a proceedure for testing and replacement of the chip and caps?
Thanks
NA1P Louie

[Non-text portions of this message have been removed]

6709. 565 tune problem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-27 15:51:18 UTC
From: o1_orion
Topic: 6709 Message: 6709

My friend has my old Orion I. He does not have the internal tuner and he uses the tune button to tune with a outboard tuner. Every once in a while the radio will stick in tune mode. The only way to fix it is to do a full reset. Has anyone had this problem or have any ideas whet the problem might be.

Thanks
Louie NA1P

6710. Re: [orion565] 565 tune problem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-02-27 16:07:00 UTC
From: James Skalski
Topic: 6709 Message: 6710

Do you have more information? What firmware? What tuner? Perhaps he can contact the tuner manufacturer and ask for help. It may be a problem with the control circuitry in the tuner. It may be more than the tune circuitry in the orion can handle and require an interface. It may be rf getting into the control wiring. In that case a toroid might be helpful. If the tuner is an ldg they should be able to help as they supplied the ten tec tuner.
Jim n2go

--- On Sun, 2/27/11, o1_orion <o1_orion@...> wrote:

From: o1_orion <o1_orion@...>
Subject: [orion565] 565 tune problem
To: orion565@yahoogroups.com
Date: Sunday, February 27, 2011, 10:51 AM

My friend has my old Orion I. He does not have the internal tuner and he uses the tune button to tune with a outboard tuner. Every once in a while the radio will stick in tune mode. The only way to fix it is to do a full reset. Has anyone had this problem or have any ideas whet the problem might be.

Thanks

Louie NA1P

[Non-text portions of this message have been removed]

6712. Re: Orion II Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-01 21:37:06 UTC
From: k1fpv
Topic: 6700 Message: 6712

Hey Bob,

Finally got around to taking the rig apart. It has been tough picking up anything that is a little heavy with a broken rib. Cleaned the connectors with blue shower and put it all back together again and it is working fine. Thanks for the input.

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
>
> Sounds like a dirty/oxidized connector. Re-seat the connectors for the rotary encoders. Unplug each cable and then carefully plug it back in. Do take care to see that the pins are aligned correctly when doing so.
>
> 73
> Bob, K4TAX
>
>
>
>
> ----- Original Message -----
> From: k1fpv
> To: orion565@yahoogroups.com
> Sent: Thursday, February 24, 2011 6:50 PM
> Subject: [orion565] Orion II Problem
>
>
>
> Hi Folks,
>
> My Orion II has developed a new problem. If the rig is on a short while, and you change the VFO, the receiver goes quiet and it won't transmit. Turning it off and back on will make it work till you change the VFO dial again and the RX goes bye-bye and it won't transmit again. I tried a master reset just in case.....but no luck.
>
> Anyone else ever get this problem?
>
> Thanks,
> Bill/K1FPV
>
>
>
>
>
> [Non-text portions of this message have been removed]

>

6713. Re: [orion565] Re: Orion II Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-02 02:27:05 UTC
From: Robert Mcgraw
Topic: 6700 Message: 6713

Bill:

Glad you got the problem solved. I perceived, based on your excellent description, it was a thermal related connector problem. his is not unusual at all and is certainly not unique to Tentec products.

When I was with Sony Professional Audio, I dispatched service engineers all over the world to replace some 500 IC sockets in a model of a multitrack recorder. It was about an 8 to 10 hour process. The initial condition appeared the machine worked fine for a couple of hours after power applied. After that, intermittents began to appear. Once we eliminated the connectors the reliability vastly improved. The negative side was this made service ability a bit difficult. There's always some trade-off's.

73
Bob, K4TAX

> Hey Bob,
>
> Finally got around to taking the rig apart. It has been tough picking up
> anything that is a little heavy with a broken rib. Cleaned the connectors
> with blue shower and put it all back together again and it is working
> fine. Thanks for the input.
>
> 73,
> Bill/K1FPV
>
>
>
> --- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...>
> wrote:
>>
>> Sounds like a dirty/oxidized connector. Re-seat the connectors for the
>> rotary encoders. Unplug each cable and then carefully plug it back in.
>> Do take care to see that the pins are aligned correctly when doing so.
>>
>> 73
>> Bob, K4TAX
>>
>>
>>
>>
>> ----- Original Message -----
>> From: k1fpv
>> To: orion565@yahoogroups.com

>> Sent: Thursday, February 24, 2011 6:50 PM
>> Subject: [orion565] Orion II Problem
>>
>>
>>
>> Hi Folks,
>>
>> My Orion II has developed a new problem. If the rig is on a short
>> while, and you change the VFO, the receiver goes quiet and it won't
>> transmit. Turning it off and back on will make it work till you
>> change the VFO dial again and the RX goes bye-bye and it won't
>> transmit again. I tried a master reset just in case.....but no luck.
>>
>> Anyone else ever get this problem?
>>
>> Thanks,
>> Bill/K1FPV
>>
>>
>>
>>
>>
>> [Non-text portions of this message have been removed]
>>
>
>
>

6714. Re: Orion 565 Update - comments on improvements welcome....

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-03 03:12:32 UTC
From: NewellC
Topic: 6693 Message: 6714

Paul,

I just bought an Orion I and am waiting for it to arrive. I noted your comment about operting hand key over the internet and am interested in doing the same but was not aware that the Orion had that capability. Could you give me some details on your setup? I would gretly appreciate it. IF there are pictures or other documentation you can send it to my email ncrary at excite dot com.

73

Newell
WX7K
Kennewick, Wa

--- In orion565@yahoogroups.com, Paul <hglent@...> wrote:
>
> Well, now I don't see an Eagle in my future.
>
> The new firmware has brought a really good rig up to a really really
> superior rig in my humble opinion.
>
> I operate a lot of remote true hand key CW over the internet with the
> Orion. With the previous firmware the NR was useless. Now I have no
> more "fiddling around" with controls to copy through the noise.
>
> Other than the glitch with the VOX/CW issue, everything else works great.
>
> Great job John!
>
> Thank you and the folks at Ten Tec.
>
> Paul K
> WA0BAG
> Knoxville, TN
>

6715. upgrade firmware for 566

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-03 08:48:23 UTC
From: ron story
Topic: 6715 Message: 6715

i wonder if anything is in the works for the 566? i lent my orion ii to a bud who has my old ft2000 for a week. he put it through its paces and now is no longer happy with his ft2k, could hear things with the orion he could not hear with his ft2k. on xmit he sounded a bit better with the heil mic on the ft2k than the orion, but we all know how subjective transmit audio is. ron ne0x

[Non-text portions of this message have been removed]

6716. Re: Orion II Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-03 20:24:54 UTC
From: k1fpv
Topic: 6700 Message: 6716

Hi Bob,

Well, that certainly brings some memories of the occasional nightmares I had working on several of the Sony Tape decks we used in broadcasting. We obviously gave those units more wear and tear than I do with my Orion. Besides, those Sony tape decks were in service 20/7 and never subjected to temperature change in continuous use in the racks we had them mounted in. Much of our maintenance was due to operator abuse and occasionally cleaning.

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "Robert Mcgraw" <RMcGraw@...> wrote:
>
> Bill:
>
> Glad you got the problem solved. I perceived, based on your excellent
> description, it was a thermal related connector problem. his is not
> unusual at all and is certainly not unique to Tentec products.
>
> When I was with Sony Professional Audio, I dispatched service engineers
> all over the world to replace some 500 IC sockets in a model of a
> multitrack recorder. It was about an 8 to 10 hour process. The initial
> condition appeared the machine worked fine for a couple of hours after
> power applied. After that, intermittents began to appear. Once we
> eliminated the connectors the reliability vastly improved. The negative
> side was this made service ability a bit difficult. There's always some
> trade-off's.
>
> 73
> Bob, K4TAX
>
>
>
> > Hey Bob,
> >
> > Finally got around to taking the rig apart. It has been tough picking up
> > anything that is a little heavy with a broken rib. Cleaned the connectors
> > with blue shower and put it all back together again and it is working
> > fine. Thanks for the input.
> >
> > 73,
> > Bill/K1FPV
> >
> >
> >
> > --- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@>

> > wrote:
> >>
> >> Sounds like a dirty/oxidized connector. Re-seat the connectors for the
> >> rotary encoders. Unplug each cable and then carefully plug it back in.
> >> Do take care to see that the pins are aligned correctly when doing so.
> >>
> >> 73
> >> Bob, K4TAX
> >>
> >>
> >>
> >>
> >> ----- Original Message -----
> >> From: k1fpv
> >> To: orion565@yahoogroups.com
> >> Sent: Thursday, February 24, 2011 6:50 PM
> >> Subject: [orion565] Orion II Problem
> >>
> >>
> >>
> >> Hi Folks,
> >>
> >> My Orion II has developed a new problem. If the rig is on a short
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> >> transmit. Turning it off and back on will make it work till you
> >> change the VFO dial again and the RX goes bye-bye and it won't
> >> transmit again. I tried a master reset just in case.....but no luck.
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> >> Anyone else ever get this problem?
> >>
> >> Thanks,
> >> Bill/K1FPV
> >>
> >>
> >>
> >>
> >>
> >> [Non-text portions of this message have been removed]
> >>
> >
> >
> >
>

6717. Re: [orion565] Re: Orion II Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-03 22:26:20 UTC
From: Bob McGraw - K4TAX
Topic: 6700 Message: 6717

Bill:

We had a model of analog 24 channel multitrack that somewhere along the line the "bean counters" decided that too much money was being spent on parts. They did a "cost down" and directed purchasing to find a less expensive IC socket. They did. About 6 mos after these were implemented into the machines the complaints started. Snap, crackle, hiss and pop and loss of audio. This was traced to the connection between the contact in the socket and the leg of the IC's. We found that by using a much better quality socket the issues were no more. To send a Service Engineer to the field, travel, lodging, meals, time and parts, to change the sockets costs an average of $1500 per machine.

When I questioned the decision to change to the cheap sockets the answer came back "that's the only socket we could buy for under a nickel". The ones we put in cost some 25 cents each in lots of 10,000. No one could actually figure the damage and loss of reputation that took place. I figured the direct cost for that program was some $250,000 direct to the bottom line.

In actuality and from experience, leaving a product turned on 24/7 minimizes the heating and cooling thus the circuits are more stable both electrically and mechanically. The way we use ham equipment is much harder on a product largely due to thermal change and oxidation of pressure contacts for sockets and plugs.

Were those tape decks APR-5000 series machines? Or were they the JH-110 series of machines? Sony purchased MCI in 1981 and continued with the MCI label with JH products for about 2 years while migrating the Sony technology and methodology into the product line. Then they dropped the MCI logo/badge and continued until 1995 with the Sony products. Today, the professional audio group is virtually non existent.

73
Bob, K4TAX

----- Original Message -----
From: k1fpv
To: orion565@yahoogroups.com
Sent: Thursday, March 03, 2011 2:24 PM
Subject: [orion565] Re: Orion II Problem

Hi Bob,

Well, that certainly brings some memories of the occasional nightmares I had working on several of the Sony Tape decks we used in broadcasting. We obviously gave those units more wear and tear than I do with my Orion. Besides, those Sony tape decks were in service 20/7 and never subjected to temperature change in continuous use in the racks we had them mounted in. Much of our maintenance was due to operator abuse and occasionally cleaning.

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "Robert Mcgraw" <RMcGraw@...> wrote:
>
> Bill:
>
> Glad you got the problem solved. I perceived, based on your excellent
> description, it was a thermal related connector problem. his is not
> unusual at all and is certainly not unique to Tentec products.
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> When I was with Sony Professional Audio, I dispatched service engineers
> all over the world to replace some 500 IC sockets in a model of a
> multitrack recorder. It was about an 8 to 10 hour process. The initial
> condition appeared the machine worked fine for a couple of hours after
> power applied. After that, intermittents began to appear. Once we
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> side was this made service ability a bit difficult. There's always some
> trade-off's.
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> 73
> Bob, K4TAX
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>
>
> > Hey Bob,
> >
> > Finally got around to taking the rig apart. It has been tough picking up
> > anything that is a little heavy with a broken rib. Cleaned the connectors
> > with blue shower and put it all back together again and it is working
> > fine. Thanks for the input.
> >
> > 73,
> > Bill/K1FPV
> >
> >
> >
> > --- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@>
> > wrote:
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> >> Sounds like a dirty/oxidized connector. Re-seat the connectors for the
> >> rotary encoders. Unplug each cable and then carefully plug it back in.
> >> Do take care to see that the pins are aligned correctly when doing so.
> >>
> >> 73
> >> Bob, K4TAX
> >>
> >>
> >>
> >>
> >> ----- Original Message -----
> >> From: k1fpv
> >> To: orion565@yahoogroups.com
> >> Sent: Thursday, February 24, 2011 6:50 PM

> >> Subject: [orion565] Orion II Problem
> >>
> >>
> >>
> >> Hi Folks,
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> >> Anyone else ever get this problem?
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> >> Thanks,
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> >>
> >> [Non-text portions of this message have been removed]
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> >
> >
>

[Non-text portions of this message have been removed]

6718. How do I get my new Orion II to connect to my computer

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-04 03:04:54 UTC
From: Jose
Topic: 6718 Message: 6718

I want to connect my New Orion II to my computer using the optional 712 usb adapter I purchased from Ten tec so I can use HRD. I also have an optional foot switch and it looks like these accessories both need to connect to the same connection in the back.
Any help would be appreciated.

6719. Re: Orion II Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-04 14:44:31 UTC
From: k1fpv
Topic: 6700 Message: 6719

Bob,

We had several different models. They were old and some parts were tough to get from Sony. I don't remember the actual model numbers. I worked mostly on the RF side of the house getting us up and running for DT operation. They were on VHF channel 13. I helped set up the UHF DT setup and began the work on the channel 13 side too as when DT became mandated, they planned on going back to VHF channel 13 and had already obtained FCC OK to do so.

When I retired in 2005 before the mandatory DT changeover date, Belo.....the station owner when I worked there and still owns the station, was thinking of getting all digital machines....no more tapes. These machines were older analog machines that were bought at different times long before I worked at that station. The station ownership had changed several times in years prior too.

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
>
> Bill:
>
> We had a model of analog 24 channel multitrack that somewhere along the line the "bean counters" decided that too much money was being spent on parts. They did a "cost down" and directed purchasing to find a less expensive IC socket. They did. About 6 mos after these were implemented into the machines the complaints started. Snap, crackle, hiss and pop and loss of audio. This was traced to the connection between the contact in the socket and the leg of the IC's. We found that by using a much better quality socket the issues were no more. To send a Service Engineer to the field, travel, lodging, meals, time and parts, to change the sockets costs an average of $1500 per machine.
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> When I questioned the decision to change to the cheap sockets the answer came back "that's the only socket we could buy for under a nickel". The ones we put in cost some 25 cents each in lots of 10,000. No one could actually figure the damage and loss of reputation that took place. I figured the direct cost for that program was some $250,000 direct to the bottom line.
>
> In actuality and from experience, leaving a product turned on 24/7 minimizes the heating and cooling thus the circuits are more stable both electrically and mechanically. The way we use ham equipment is much harder on a product largely due to thermal change and oxidation of pressure contacts for sockets and plugs.
>
> Were those tape decks APR-5000 series machines? Or were they the JH-110 series of machines? Sony purchased MCI in 1981 and continued with the MCI label with JH products for about 2 years while migrating the Sony technology and methodology into the product line. Then they dropped the MCI logo/badge and continued until 1995 with the Sony products. Today, the professional audio group is virtually non existent.

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> Bob, K4TAX
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>
> ----- Original Message -----
> From: k1fpv
> To: orion565@yahoogroups.com
> Sent: Thursday, March 03, 2011 2:24 PM
> Subject: [orion565] Re: Orion II Problem
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>
> Hi Bob,
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> Well, that certainly brings some memories of the occasional nightmares I had working on several of the Sony Tape decks we used in broadcasting. We obviously gave those units more wear and tear than I do with my Orion. Besides, those Sony tape decks were in service 20/7 and never subjected to temperature change in continuous use in the racks we had them mounted in. Much of our maintenance was due to operator abuse and occasionally cleaning.
>
> 73,
> Bill/K1FPV
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> --- In orion565@yahoogroups.com, "Robert Mcgraw" <RMcGraw@> wrote:
> >
> > Bill:
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> > Glad you got the problem solved. I perceived, based on your excellent
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> > trade-off's.
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> > Bob, K4TAX
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> >
> >
> > > Hey Bob,
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> > > Finally got around to taking the rig apart. It has been tough picking up
> > > anything that is a little heavy with a broken rib. Cleaned the connectors

> > > with blue shower and put it all back together again and it is working
> > > fine. Thanks for the input.
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> > > Bill/K1FPV
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> > > --- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@>
> > > wrote:
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> > >> Sounds like a dirty/oxidized connector. Re-seat the connectors for the
> > >> rotary encoders. Unplug each cable and then carefully plug it back in.
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> > >> ----- Original Message -----
> > >> From: k1fpv
> > >> To: orion565@yahoogroups.com
> > >> Sent: Thursday, February 24, 2011 6:50 PM
> > >> Subject: [orion565] Orion II Problem
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> > >>
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> > >> Bill/K1FPV
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> > >> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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6720. Re: [orion565] How do I get my new Orion II to connect to my computer

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-04 15:11:43 UTC
From: gary strong
Topic: 6718 Message: 6720

Jose,
I am not sure I am answering your question. The 712 adapter allows various digital modes to be used with the Orion II. It does not control (frequency changes, volume, etc.) the radio via HRD or another program. You need either a serial connection from your computer to the serial port on the back of the Orion, or use the Ten Tec #316 (or any other serial to USB adapter) to control the radio. I don't use the footswitch with my 712 adapter so I can't help with that, but I would imagine you would need to make some sort of cable to connect the footswitch and 712 together. My understanding is the foot switch just enables the PTT.

Gary

On Thu, Mar 3, 2011 at 9:04 PM, Jose <jose_delauz@...> wrote:

>
>
> I want to connect my New Orion II to my computer using the optional 712 usb
> adapter I purchased from Ten tec so I can use HRD. I also have an optional
> foot switch and it looks like these accessories both need to connect to the
> same connection in the back.
> Any help would be appreciated.
>
>
>

[Non-text portions of this message have been removed]

6721. We have a problem with DSP 2.08b84, Orion I 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-04 15:33:40 UTC
From: hglent
Topic: 6721 Message: 6721

I have found what I think is a serious problem with the latest firmware. I hope some one can straighten me out.

I am loosing most of my settings after the rig has been turned off over night. When I power up none of the frequencies I had set into the 4 (A,B,C,D) registers are in the rig. This occurs on all bands. The 4 frequency registers on each band revert back to the default frequencies.

When I power up in the morning, I find the mode ie LCW,USB, etc also returns to the default, and the CW Speed has returned to OFF, and when pushed indicates the default 20 WPM.

The 3 internal CW memories are not lost nor any of the other settings in the menu items.

I have tried disconnecting the RS232 cable and the auxiliary audio cable when shutting down for the night, thinking the problem may have something to do with the PC and HRD. I'm running HRD V5.2837. The PC is turned off before I turn the rig off in the evening. All equipment is power off over night.

What am I missing here? Is anyone else having a similar problem?

Thanks

Paul K.
WA0BAG

6722. Re: We have a problem with DSP 2.08b84, Orion I 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-04 17:01:44 UTC
From: John
Topic: 6721 Message: 6722

Hi Paul,

Do a quick experiment some time.
Disconnect the PC controls to the rig.
Change your frequency, e.g. go up 5k or so.
Wait 20 seconds. (don't touch anything on the Orion front panel during this time)
Power off the Orion
Wait 5 seconds or so.
Power it back on.
What frequency is it now on? The modified? or the old?

Do the same for mode.
Change Mode from LCW to AM or something else.
Wait 20 seconds.
Power off the Orion
Wait 5 seconds or so.
Power it back on.
What mode is it now on? The modified? or the old?

Most TenTec rigs have a 15 second timer that gets bumped back to 15 seconds every time any thing is changed in the rig from the user. All front panel controls will reset the 15 second timer, all menu item adjustments will also reset the 15 second timer.

The same holds true for commands from PCs. They will reset the timer also.

My "shutdown" procedure when connected to the PC would be:
Turn off the PC program, and ALL devices that communicate to the rigs through the serial interfaces (some steppir motor controllers do, etc, so get'em all)
Wait 20 seconds.
Power off the Orion.

Let me know if this resolves your dilema. If not, I'll investigate it further here.

Thanks,
John Henry
TenTec Engineering

--- In orion565@yahoogroups.com, "hglent" <hglent@...> wrote:
>
> I have found what I think is a serious problem with the latest firmware. I hope some one can straighten me out.
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> I am loosing most of my settings after the rig has been turned off over night. When I power up none of the frequencies I had set into the 4 (A,B,C,D) registers are in the rig. This occurs on all bands. The 4 frequency registers on each band revert back to the default frequencies.
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> When I power up in the morning, I find the mode ie LCW,USB, etc also returns to the default, and the CW Speed has returned to OFF, and when pushed indicates the default 20 WPM.
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> The 3 internal CW memories are not lost nor any of the other settings in the menu items.
>
> I have tried disconnecting the RS232 cable and the auxiliary audio cable when shutting down for the night, thinking the problem may have something to do with the PC and HRD. I'm running HRD V5.2837. The PC is turned off before I turn the rig off in the evening. All equipment is power off over night.
>
> What am I missing here? Is anyone else having a similar problem?
>
> Thanks
>
> Paul K.
> WA0BAG
>

6723. Re: We have a problem with DSP 2.08b84, Orion I 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-04 17:34:15 UTC
From: hokieham
Topic: 6721 Message: 6723

Hi Paul, I'm experiencing the same symptoms with my Orion I and this latest firmware update. I've ordered a lithium battery from Tentec. I'll advise if this cures my situation. Thanks, David - ab8d.

--- In orion565@yahoogroups.com, "hglent" <hglent@...> wrote:
>
> I have found what I think is a serious problem with the latest firmware. I hope some one can straighten me out.
>
> I am loosing most of my settings after the rig has been turned off over night. When I power up none of the frequencies I had set into the 4 (A,B,C,D) registers are in the rig. This occurs on all bands. The 4 frequency registers on each band revert back to the default frequencies.
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> WA0BAG
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6724. Re: We have a problem with DSP 2.08b84, Orion I 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-04 19:39:09 UTC
From: hglent
Topic: 6721 Message: 6724

John,
I tried the sequence. Every time the rig comes back on with the modified change. Just as it should.

I think this is occurring after being turned off for quite a while. Over night.

I use exactly the same shut down procedure you out lined. Maybe the battery? I didn't think of that one!

Paul K.
WA0BAG

--- In orion565@yahoogroups.com, "John" <jshenry1963@...> wrote:
>
> Hi Paul,
>
> Do a quick experiment some time.
> Disconnect the PC controls to the rig.
> Change your frequency, e.g. go up 5k or so.
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> My "shutdown" procedure when connected to the PC would be:
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> Wait 20 seconds.
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> Let me know if this resolves your dilema. If not, I'll investigate it further here.

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> Thanks,
> John Henry
> TenTec Engineering
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> --- In orion565@yahoogroups.com, "hglent" <hglent@> wrote:
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> > When I power up in the morning, I find the mode ie LCW,USB, etc also returns to the default, and the CW Speed has returned to OFF, and when pushed indicates the default 20 WPM.
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> > What am I missing here? Is anyone else having a similar problem?
> >
> > Thanks
> >
> > Paul K.
> > WA0BAG
> >
>

6725. Re: We have a problem with DSP 2.08b84, Orion I 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-04 20:29:56 UTC
From: k1fpv
Topic: 6721 Message: 6725

Sounds to me like the battery might be shot! I just had my Orion II apart to clean some connectors and checked the status of my battery just in case.

Bill/K1FPV

--- In orion565@yahoogroups.com, "hglent" <hglent@...> wrote:
>
> John,
> I tried the sequence. Every time the rig comes back on with the modified change. Just as it should.
>
> I think this is occurring after being turned off for quite a while. Over night.
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> I use exactly the same shut down procedure you out lined. Maybe the battery? I didn't think of that one!
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> WA0BAG
>
> --- In orion565@yahoogroups.com, "John" <jshenry1963@> wrote:
> >
> > Hi Paul,
> >
> > Do a quick experiment some time.
> > Disconnect the PC controls to the rig.
> > Change your frequency, e.g. go up 5k or so.
> > Wait 20 seconds. (don't touch anything on the Orion front panel during this time)
> > Power off the Orion
> > Wait 5 seconds or so.
> > Power it back on.
> > What frequency is it now on? The modified? or the old?
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> > Do the same for mode.
> > Change Mode from LCW to AM or something else.
> > Wait 20 seconds.
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> > Most TenTec rigs have a 15 second timer that gets bumped back to 15 seconds every time any thing is changed in the rig from the user. All front panel controls will reset the 15 second timer, all menu item adjustments will also reset the 15 second timer.
> >
> > The same holds true for commands from PCs. They will reset the timer also.

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> > My "shutdown" procedure when connected to the PC would be:
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> > Wait 20 seconds.
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> >
> > Let me know if this resolves your dilema. If not, I'll investigate it further here.
> >
> > Thanks,
> > John Henry
> > TenTec Engineering
> >
> >
> >
> >
> > --- In orion565@yahoogroups.com, "hglent" <hglent@> wrote:
> > >
> > > I have found what I think is a serious problem with the latest firmware. I hope some one can straighten me out.
> > >
> > > I am loosing most of my settings after the rig has been turned off over night. When I power up none of the frequencies I had set into the 4 (A,B,C,D) registers are in the rig. This occurs on all bands. The 4 frequency registers on each band revert back to the default frequencies.
> > >
> > > When I power up in the morning, I find the mode ie LCW,USB, etc also returns to the default, and the CW Speed has returned to OFF, and when pushed indicates the default 20 WPM.
> > >
> > > The 3 internal CW memories are not lost nor any of the other settings in the menu items.
> > >
> > > I have tried disconnecting the RS232 cable and the auxiliary audio cable when shutting down for the night, thinking the problem may have something to do with the PC and HRD. I'm running HRD V5.2837. The PC is turned off before I turn the rig off in the evening. All equipment is power off over night.
> > >
> > > What am I missing here? Is anyone else having a similar problem?
> > >
> > > Thanks
> > >
> > > Paul K.
> > > WA0BAG
> > >
> >
>

6726. Re: [orion565] Re: We have a problem with DSP 2.08b84, Orion I 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-04 21:33:20 UTC
From: jim jim
Topic: 6721 Message: 6726

battery change
sv7boy jim

From: k1fpv <k1fpv@...>
To: orion565@yahoogroups.com
Sent: Fri, March 4, 2011 10:29:56 PM
Subject: [orion565] Re: We have a problem with DSP 2.08b84, Orion I 565

Sounds to me like the battery might be shot! I just had my Orion II apart to
clean some connectors and checked the status of my battery just in case.

Bill/K1FPV

--- In orion565@yahoogroups.com, "hglent" <hglent@...> wrote:
>
> John,
> I tried the sequence. Every time the rig comes back on with the modified
>change. Just as it should.
>
> I think this is occurring after being turned off for quite a while. Over night.
>
>
> I use exactly the same shut down procedure you out lined. Maybe the battery?
>I didn't think of that one!
>
> Paul K.
> WA0BAG
>
> --- In orion565@yahoogroups.com, "John" <jshenry1963@> wrote:
> >
> > Hi Paul,
> >
> > Do a quick experiment some time.
> > Disconnect the PC controls to the rig.
> > Change your frequency, e.g. go up 5k or so.
> > Wait 20 seconds. (don't touch anything on the Orion front panel during this
>time)
> > Power off the Orion
> > Wait 5 seconds or so.
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> > What frequency is it now on? The modified? or the old?
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> > Do the same for mode.
> > Change Mode from LCW to AM or something else.
> > Wait 20 seconds.

> > Power off the Orion
> > Wait 5 seconds or so.
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>every time any thing is changed in the rig from the user. All front panel
>controls will reset the 15 second timer, all menu item adjustments will also
>reset the 15 second timer.
>
> >
> > The same holds true for commands from PCs. They will reset the timer also.
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> > My "shutdown" procedure when connected to the PC would be:
> > Turn off the PC program, and ALL devices that communicate to the rigs through
>the serial interfaces (some steppir motor controllers do, etc, so get'em all)
> > Wait 20 seconds.
> > Power off the Orion.
> >
> > Let me know if this resolves your dilema. If not, I'll investigate it further
>here.
> >
> > Thanks,
> > John Henry
> > TenTec Engineering
> >
> >
> >
> >
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> > >
> > > I have found what I think is a serious problem with the latest firmware. I
>hope some one can straighten me out.
> > >
> > > I am loosing most of my settings after the rig has been turned off over
>night. When I power up none of the frequencies I had set into the 4 (A,B,C,D)
>registers are in the rig. This occurs on all bands. The 4 frequency registers
>on each band revert back to the default frequencies.
> > >
> > > When I power up in the morning, I find the mode ie LCW,USB, etc also
>returns to the default, and the CW Speed has returned to OFF, and when pushed
>indicates the default 20 WPM.
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> > >
> > > I have tried disconnecting the RS232 cable and the auxiliary audio cable
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>with the PC and HRD. I'm running HRD V5.2837. The PC is turned off before I
>turn the rig off in the evening. All equipment is power off over night.

> > >
> > > What am I missing here? Is anyone else having a similar problem?
> > >
> > > Thanks
> > >
> > > Paul K.
> > > WA0BAG
> > >
> >
>

[Non-text portions of this message have been removed]

6727. Band Data Connector?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-04 23:06:35 UTC
From: kf8zn
Topic: 6727 Message: 6727

Is the band data connector a standard molex connector?

AC2Q

6728. ur call sign pse

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-05 00:37:47 UTC
From: orion565-owner@yahoogroups.com
Topic: 6728 Message: 6728

Call sign?

73,

Mike
W2AJI

6729. RE: [orion565] ur call sign pse

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-05 01:53:08 UTC
From: William D. Roig
Topic: 6728 Message: 6729

AC4BD

To: orion565@yahoogroups.com
From: orion565-owner@yahoogroups.com
Date: Sat, 5 Mar 2011 00:37:47 +0000
Subject: [orion565] ur call sign pse

Call sign?

73,

Mike

W2AJI

[Non-text portions of this message have been removed]

6730. Re: [orion565] Band Data Connector?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-05 03:20:16 UTC
From: gary strong
Topic: 6727 Message: 6730

Mine doesn't look like a "standard" connector. Any molex connector I've seen was always white nylon, the band data cable supplied by Ten Tec is a medium brown in color and fastens different than the typical molex connector. The pins themselves look the same as a molex connector however I don't know the size. As an aside, I use it to connect my Orion II to my Hercules II amp.

Gary KO?Q

On Fri, Mar 4, 2011 at 5:06 PM, kf8zn <kf8zn@...> wrote:

>
>
> Is the band data connector a standard molex connector?
>
> AC2Q
>
>
>

[Non-text portions of this message have been removed]

6731. Re: Band Data Connector?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-05 13:56:22 UTC
From: wb2rhm
Topic: 6727 Message: 6731

They are not "Molex" connectors, but hey are industry standard.... just a different one.... "AMP" connectors.

I recently bought some from Digi-Key..... they are made by TYCO/AMP, with p/n 1-640523 and Digi-Key p/n #A14116-ND 'Conn Plug 15 POS MINI Rect'

They come 'naked'..... no pins, you have to order the pins separately. There is a minimum number per 'unit' of pins. Digi-Key #A14197-ND, Tyco/Amp p/n 641300-1 'Conn Socket 18-26AWG Tin Crimp'. I got a pack of 100, to have spares. The crimping is a bit tricky, you must be careful to get the crimp shaped correctly (round with a small diameter),because the pins get fitted deep into the body of the connector, and the regular 'molex' pin extractors I commonly find do not fit into the holes.... and the 'official' insertion/extraction tool costs $$$....

In the TYCO/AMP selection, you can get 'hooded' versions of the connector instead of just the 'open back' style.

I got connectors/pins to interface my 565 to either my ameritron ALS-600 or ALS-1300.

Hope this helps, 73

Ben - WB2RHM

--- In orion565@yahoogroups.com, "kf8zn" <kf8zn@...> wrote:
>
> Is the band data connector a standard molex connector?
>
> AC2Q
>

6732. Re: We have a problem with DSP 2.08b84, Orion I 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-05 22:21:59 UTC
From: hglent
Topic: 6721 Message: 6732

I have replaced the CR2032 battery, but not the lithium battery.

I will let the rig sit over night and see what happens.

Thanks for all the help.

Paul K.
WA0BAG

--- In orion565@yahoogroups.com, "John" <jshenry1963@...> wrote:
>
> Hi Paul,
>
> Do a quick experiment some time.
> Disconnect the PC controls to the rig.
> Change your frequency, e.g. go up 5k or so.
> Wait 20 seconds. (don't touch anything on the Orion front panel during this time)
> Power off the Orion
> Wait 5 seconds or so.
> Power it back on.
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>
> Do the same for mode.
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>
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>
> The same holds true for commands from PCs. They will reset the timer also.
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> Let me know if this resolves your dilema. If not, I'll investigate it further here.
>
> Thanks,
> John Henry

> TenTec Engineering
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>
>
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> --- In orion565@yahoogroups.com, "hglent" <hglent@> wrote:
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> > When I power up in the morning, I find the mode ie LCW,USB, etc also returns to the default, and the CW Speed has returned to OFF, and when pushed indicates the default 20 WPM.
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> > The 3 internal CW memories are not lost nor any of the other settings in the menu items.
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> >
> > What am I missing here? Is anyone else having a similar problem?
> >
> > Thanks
> >
> > Paul K.
> > WA0BAG
> >
>

6733. Off Topic -Centurion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-07 19:30:44 UTC
From: mcelmer1
Topic: 6733 Message: 6733

Anyone have recommended "Load & Tune" 10 meter presets for the Centurion?

Mike
W8TRN

[Non-text portions of this message have been removed]

6734. Re: Band Data Connector?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-08 12:32:26 UTC
From: kf8zn
Topic: 6727 Message: 6734

Thanks!!!

--- In orion565@yahoogroups.com, "wb2rhm" <WB2RHM@...> wrote:
>
>
>
> They are not "Molex" connectors, but hey are industry standard.... just a different one.... "AMP" connectors.
>
> I recently bought some from Digi-Key..... they are made by TYCO/AMP, with p/n 1-640523 and Digi-Key p/n #A14116-ND 'Conn Plug 15 POS MINI Rect'
>
> They come 'naked'..... no pins, you have to order the pins separately. There is a minimum number per 'unit' of pins. Digi-Key #A14197-ND, Tyco/Amp p/n 641300-1 'Conn Socket 18-26AWG Tin Crimp'. I got a pack of 100, to have spares. The crimping is a bit tricky, you must be careful to get the crimp shaped correctly (round with a small diameter),because the pins get fitted deep into the body of the connector, and the regular 'molex' pin extractors I commonly find do not fit into the holes.... and the 'official' insertion/extraction tool costs $$$....
>
> In the TYCO/AMP selection, you can get 'hooded' versions of the connector instead of just the 'open back' style.
>
> I got connectors/pins to interface my 565 to either my ameritron ALS-600 or ALS-1300.
>
> Hope this helps, 73
>
> Ben - WB2RHM
>
>
> --- In orion565@yahoogroups.com, "kf8zn" <kf8zn@> wrote:
> >
> > Is the band data connector a standard molex connector?
> >
> > AC2Q
> >
>

6735. FYI ---- my issues list with 2.064x11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-08 15:25:04 UTC
From: saukp
Topic: 6721 Message: 6735

FYI.....To the group

This is my short list of issues I have come across while recently operating in ARRL SSB DX contest this past weekend. These are three issues I came across while operating that caught my attention and were repeatable. I know that Repeatability helps find the root cause.

Also i know how hard the TT guys work to make a high quality product and the customer support that goes with those efforts.

My Orion is still a keeper

Paul K3SF

1. CW VOX -

Symptom Number 1 is when in cw mode and vox engaged the radio goes into a pseudo transmit mode...the antenna is switch from receive to transmit and amp relay is keyed...this requires that vox be disengage to clear..not operating split

Symptom Number 2 .. when operating split and not mode tracking rcv main in ssb mode and rcv sub is cw mode and is the xmit freq and vox engaged..when speaking into mike ..get a cw carrier and rig locks up in transmit mode..this requires a power down to clear

2. BPT and BW not display updating to actual when switching bands

Symptom Number 1.. when setting BW/BPT on current band all seems and operates as expected, what the radio report on the display is what is happening as verified via audio spectrum analysis...when changing bands the display values stay the same (does not change at all) but the actual PW/BPT values are what was set for the new band previously ...the display does finally update to current values only when there is just a slight adjustment of BW/BPT knobs.

3. Spectrum Display Scanning BLIP Bursts

Symptom Number 1.. when the spectrum display is engaged, there appears on a rather periodic basis two different spectrum display interrupts that appear a a series of medium height blips every couple khz across the spectrum display as a burst of blips...followed later by full height blips of the same characteristics...this would occur every couple of minutes... no change in receive signal was noticed

when antenna was disconnected..these symptoms still persisted..
and
external signal source was eliminated as the cause when i used an sdr-iq to see what was out there that might do this..nothing found

6736. RE: [orion565] FYI ---- my issues list with 2.064x11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-08 15:51:56 UTC
From: art davis
Topic: 6721 Message: 6736

I have also experienced issue #1.

I have never experienced the problem in your issue #2 and cannot duplicate it on my 565. Maybe a Master Reset with a memory clear might help.

Issue 3; I had a very similar condition happen after one of the many Master Resets that were required after installing 2.064x11. A couple of more resets took care of it.

For what it's worth,

73,
Art N4UC
To: orion565@yahoogroups.com
From: saukp@...
Date: Tue, 8 Mar 2011 15:25:04 +0000
Subject: [orion565] FYI ---- my issues list with 2.064x11

FYI.....To the group

This is my short list of issues I have come across while recently operating in ARRL SSB DX contest this past weekend. These are three issues I came across while operating that caught my attention and were repeatable. I know that Repeatability helps find the root cause.

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external signal source was eliminated as the cause when i used an sdr-iq to see what was out there that might do this..nothing found

[Non-text portions of this message have been removed]

6737. RE: [orion565] FYI ---- my issues list with 2.064x11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-08 16:51:17 UTC
From: Martin Sole
Topic: 6721 Message: 6737

Paul,

I have seen your items 2 and 3, both persist after many resets so far. I noticed the BW and PBT not resetting correctly when changing the band register rather than actually changing bands.

For item 3 see my video on You Tube at

http://www.youtube.com/watch?v=-JuHwp0c6Lk

Would very much like to know if this is what you see.

My email to this group on 23rd February detailed what I have noticed except for the BW and PBT not properly resetting.

Wonder if there is an average number of resets, master resets, RAM clears that need to be done, think I'm up to about 50 of each so far.

Regards

Martin, HS0ZED

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of saukp
Sent: 08 March 2011 22:25
To: orion565@yahoogroups.com
Subject: [orion565] FYI ---- my issues list with 2.064x11

FYI.....To the group

This is my short list of issues I have come across while recently operating in ARRL SSB DX contest this past weekend. These are three issues I came across while operating that caught my attention and were repeatable. I know that Repeatability helps find the root cause.

Also i know how hard the TT guys work to make a high quality product and the customer support that goes with those efforts.

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Paul K3SF

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when antenna was disconnected..these symptoms still persisted..
and
external signal source was eliminated as the cause when i used an sdr-iq to see what was out there that might do this..nothing found

[Non-text portions of this message have been removed]

6738. Re: [orion565] FYI ---- my issues list with 2.064x11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-08 17:02:23 UTC
From: Barry N1EU
Topic: 6721 Message: 6738

Isn't item 1 symptom 2 caused by the wrong mode being selected for the subreceiver?

Hopefully, option will be there someday for Orion subreceiver mode to automatically track main receiver mode.

73, Barry N1EU

On Tue, Mar 8, 2011 at 4:51 PM, Martin Sole <hs0zed@...> wrote:

>
>
> 1. CW VOX -
>
> Symptom Number 1 is when in cw mode and vox engaged the radio goes into a
> pseudo transmit mode...the antenna is switch from receive to transmit and
> amp relay is keyed...this requires that vox be disengage to clear..not
> operating split
>
> Symptom Number 2 .. when operating split and not mode tracking rcv main in
> ssb mode and rcv sub is cw mode and is the xmit freq and vox engaged..when
> speaking into mike ..get a cw carrier and rig locks up in transmit
> mode..this requires a power down to clear
>
>

[Non-text portions of this message have been removed]

6739. Re: FYI ---- my issues list with 2.064x11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-08 18:05:20 UTC
From: saukp
Topic: 6721 Message: 6739

hi barry

first i would like to say the new s/w is an overall improvement
just for me and few others some quirks have popped up..none of which will keep me from using the current version
and
so far multiple resets have not cleared them for me

regarding split mode..
well could be BUT if i was working someone split they are on ssb and i am cw and i have forgotten to deselect vox..the rig will hang in transmit...not a good long term rig safe mode.

or
in the way it happened to me

The way this happen to me was i was working a dx station i needed on cw in split mode and then got back into the ssb contest mode and forgot to set rig back to simplex mode..DUH..but it is a contest and sometimes we just forget.

i did have to power down the rig to clear the issue
i had tried to deselect vox but the radio did not respond
it just got corn-fused as did i ;-)

i think once the vox issue of symptom one is cleaned up symptom two will disappear

i think reporting repeatable items are an aid to John Henry and crew to help them debug ..

paul k3sf

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Isn't item 1 symptom 2 caused by the wrong mode being selected for the
> subreceiver?
>
> Hopefully, option will be there someday for Orion subreceiver mode to
> automatically track main receiver mode.
>
> 73, Barry N1EU
>
> On Tue, Mar 8, 2011 at 4:51 PM, Martin Sole <hs0zed@...> wrote:
>
> >
> >
> > 1. CW VOX -
> >
> > Symptom Number 1 is when in cw mode and vox engaged the radio goes into a

> > pseudo transmit mode...the antenna is switch from receive to transmit and
> > amp relay is keyed...this requires that vox be disengage to clear..not
> > operating split
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> > Symptom Number 2 .. when operating split and not mode tracking rcv main in
> > ssb mode and rcv sub is cw mode and is the xmit freq and vox engaged..when
> > speaking into mike ..get a cw carrier and rig locks up in transmit
> > mode..this requires a power down to clear
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

6740. Display board

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-08 18:17:40 UTC
From: ac4ge
Topic: 6740 Message: 6740

Anyone have a A-7 and display board in working condition?
Please reply to my email ac4ge (at) yahoo.com

6741. Re: [orion565] Off Topic -Centurion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-09 01:42:33 UTC
From: Bob McGraw - K4TAX
Topic: 6733 Message: 6741

The TUNE should be about #1 or slightly less and the LOAD about #4. This is at 28.200 with a 50 ohm resistive load. This produces about 900 watts of output with 90 watts of drive.

73
Bob, K4TAX

----- Original Message -----
From: mcelmer1
To: orion565@yahoogroups.com
Sent: Monday, March 07, 2011 1:30 PM
Subject: [orion565] Off Topic -Centurion

Anyone have recommended "Load & Tune" 10 meter presets for the Centurion?

Mike
W8TRN

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6742. RE: [orion565] FYI ---- my issues list with 2.064x11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-09 02:39:02 UTC
From: Dick
Topic: 6721 Message: 6742

On 3/8/2011 10:51:17 AM, Martin Sole (hs0zed@...) wrote:
> Paul,
>
> I have seen your items 2 and 3, both persist after many resets so far. I
> noticed the BW and PBT not resetting correctly when changing the band
> register rather than actually changing bands.
>
<SNIP>

I performed the upgrade to Ver. 2.064X11 a couple weeks ago and have yet to see any of the afore mentioned symptoms (1,2 or 3). I chased DX using split CW and SSB modes as well as locking VFO A and B together to effect diversity reception and the radio has worked as advertised with one exception. During the ARRL DX contest this past weekend when I pressed any of the buttons (band, antenna swap etc.) the screen went blank (raster but no pix) and the radio quit communicating with the computer. Power off/on would bring it back to normal but activating any of the front panel switches would again blank the screen and lose computer control (N1MM). I performed a master reset, correcting the anomaly and the radio has played fine since. I have no way of knowing what may have caused this issue but am not blaming the software; suspect it may have been RF related. So far classified as a could not duplicate (CND).

To this point I have been pleased with the operation of the radio post upgrade.

73 Dick,
N0IM

6743. Re: FYI ---- my issues list with 2.064x11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-09 13:45:53 UTC
From: John K Gotwals
Topic: 6721 Message: 6743

I am experiencing something similar to item 1, but when I am in LSB VOX.
On an intermittent basis, the 565 stays in the transmit mode
until I cycle the VOX button.
John, N9JG
==========
Symptom Number 1 is when in cw mode and vox engaged the radio goes
into a pseudo transmit mode...the antenna is switch from receive to
transmit and amp relay is keyed...this requires that vox be disengage to
clear..not operating split

[Non-text portions of this message have been removed]

6744. Connecting Orion to HRD

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-09 15:32:52 UTC
From: NewellC
Topic: 6744 Message: 6744

Here is the problem: I have used several serial to USB cables and many drivers but HRD will not connect with the radio unless I use COM1 with a straight through RS232 cable. With the serial to USB cable HRD gives a message to make sure the radio is turned on and not in memory mode. Once connected, when I connect to my computer using the 8 pin DIN to USB I get a sound card not able to communicate message. Also, in this configuration I key the radio every time something in my computer uses the sound card.

What am I missing here?

Thanks

Newell

6745. RE: [orion565] Connecting Orion to HRD

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-09 15:39:40 UTC
From: John T. Fleming
Topic: 6744 Message: 6745

Newell,

Go to Device Manager in Windows and see what port the USB adapter has been assigned. Then use that port number in HRD.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of NewellC
Sent: Wednesday, March 09, 2011 10:33 AM
To: orion565@yahoogroups.com
Subject: [orion565] Connecting Orion to HRD

Here is the problem: I have used several serial to USB cables and many drivers but HRD will not connect with the radio unless I use COM1 with a straight through RS232 cable. With the serial to USB cable HRD gives a message to make sure the radio is turned on and not in memory mode. Once connected, when I connect to my computer using the 8 pin DIN to USB I get a sound card not able to communicate message. Also, in this configuration I key the radio every time something in my computer uses the sound card.

What am I missing here?

Thanks

Newell

[Non-text portions of this message have been removed]

6746. Re: Connecting Orion to HRD

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-09 16:14:56 UTC
From: NewellC
Topic: 6744 Message: 6746

John,

Did that. Even tried auto detect. Nothing seems to work other than RS232 to RS232.

Newell

--- In orion565@yahoogroups.com, "John T. Fleming" <john@...> wrote:
>
> Newell,
>
>
>
> Go to Device Manager in Windows and see what port the USB adapter has been
> assigned. Then use that port number in HRD.
>
>
>
> 73,
>
> John
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of NewellC
> Sent: Wednesday, March 09, 2011 10:33 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Connecting Orion to HRD
>
>
>
>
>
> Here is the problem: I have used several serial to USB cables and many
> drivers but HRD will not connect with the radio unless I use COM1 with a
> straight through RS232 cable. With the serial to USB cable HRD gives a
> message to make sure the radio is turned on and not in memory mode. Once
> connected, when I connect to my computer using the 8 pin DIN to USB I get a
> sound card not able to communicate message. Also, in this configuration I
> key the radio every time something in my computer uses the sound card.
>
> What am I missing here?
>
> Thanks
>
> Newell

>
>
>
> [Non-text portions of this message have been removed]
>

6747. Re: [orion565] Re: Connecting Orion to HRD

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-09 16:24:35 UTC
From: Bob McGraw - K4TAX
Topic: 6744 Message: 6747

I've a couple of Serial-to-USB converter cables. Some work with some applications while I've found that others do not. Basically all Serial-to-USB converters are not created equal. The reason I have two is that one works with one application but not all, and the other one works with the preferred application but again, not all.

If Newell's suggestion doesn't work, consider a different brand/model of Serial-to-USB converter.

73
Bob, K4TAX

----- Original Message -----
From: NewellC
To: orion565@yahoogroups.com
Sent: Wednesday, March 09, 2011 10:14 AM
Subject: [orion565] Re: Connecting Orion to HRD

John,

Did that. Even tried auto detect. Nothing seems to work other than RS232 to RS232.

Newell

--- In orion565@yahoogroups.com, "John T. Fleming" <john@...> wrote:
>
> Newell,
>
>
>
> Go to Device Manager in Windows and see what port the USB adapter has been
> assigned. Then use that port number in HRD.
>
>
>
> 73,
>
> John
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of NewellC
> Sent: Wednesday, March 09, 2011 10:33 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Connecting Orion to HRD
>
>

>
>
>
> Here is the problem: I have used several serial to USB cables and many
> drivers but HRD will not connect with the radio unless I use COM1 with a
> straight through RS232 cable. With the serial to USB cable HRD gives a
> message to make sure the radio is turned on and not in memory mode. Once
> connected, when I connect to my computer using the 8 pin DIN to USB I get a
> sound card not able to communicate message. Also, in this configuration I
> key the radio every time something in my computer uses the sound card.
>
> What am I missing here?
>
> Thanks
>
> Newell
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

6748. RE: [orion565] Re: Connecting Orion to HRD

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-09 16:52:41 UTC
From: John T. Fleming
Topic: 6744 Message: 6748

Newell,

Another idea came to mind. I had trouble with ACLog from N3FJP, but HRD worked fine. When I went to ports in Device Manager, I saw that I had a Prolific chip set in the USB to serial connector. I went to the Prolific web site and downloaded the latest driver for my adapter and after that all was fine. Give that a try.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Bob McGraw - K4TAX
Sent: Wednesday, March 09, 2011 11:25 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Connecting Orion to HRD

I've a couple of Serial-to-USB converter cables. Some work with some applications while I've found that others do not. Basically all Serial-to-USB converters are not created equal. The reason I have two is that one works with one application but not all, and the other one works with the preferred application but again, not all.

If Newell's suggestion doesn't work, consider a different brand/model of Serial-to-USB converter.

73
Bob, K4TAX

----- Original Message -----
From: NewellC
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Sent: Wednesday, March 09, 2011 10:14 AM
Subject: [orion565] Re: Connecting Orion to HRD

John,

Did that. Even tried auto detect. Nothing seems to work other than RS232 to RS232.

Newell

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "John T. Fleming" <john@...> wrote:
>
> Newell,
>

>
>
> Go to Device Manager in Windows and see what port the USB adapter has been
> assigned. Then use that port number in HRD.
>
>
>
> 73,
>
> John
>
>
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
Behalf
> Of NewellC
> Sent: Wednesday, March 09, 2011 10:33 AM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] Connecting Orion to HRD
>
>
>
>
>
> Here is the problem: I have used several serial to USB cables and many
> drivers but HRD will not connect with the radio unless I use COM1 with a
> straight through RS232 cable. With the serial to USB cable HRD gives a
> message to make sure the radio is turned on and not in memory mode. Once
> connected, when I connect to my computer using the 8 pin DIN to USB I get
a
> sound card not able to communicate message. Also, in this configuration I
> key the radio every time something in my computer uses the sound card.
>
> What am I missing here?
>
> Thanks
>
> Newell

[Non-text portions of this message have been removed]

6749. Re: [orion565] Re: Connecting Orion to HRD

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-09 19:25:56 UTC
From: gary strong
Topic: 6744 Message: 6749

Newell,
do you have DTR and RTS set to high in your program for this serial port? I know that is the only way DX4WIN will operate my Orion II. I set it right in the DX4WIN program.

Gary KO?Q

On Wed, Mar 9, 2011 at 10:14 AM, NewellC <ncrary@...> wrote:

>
>
> John,
>
> Did that. Even tried auto detect. Nothing seems to work other than RS232 to
> RS232.
>
> Newell
>
> --- In orion565@yahoogroups.com, "John T. Fleming" <john@...> wrote:
> >
> > Newell,
> >
> >
> >
> > Go to Device Manager in Windows and see what port the USB adapter has
> been
> > assigned. Then use that port number in HRD.
> >
> >
> >
> > 73,
> >
> > John
> >
> >
> >
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf
> > Of NewellC
> > Sent: Wednesday, March 09, 2011 10:33 AM
> > To: orion565@...m
> > Subject: [orion565] Connecting Orion to HRD
> >
> >
> >
> >
> >

> >
> > Here is the problem: I have used several serial to USB cables and many
> > drivers but HRD will not connect with the radio unless I use COM1 with a
> > straight through RS232 cable. With the serial to USB cable HRD gives a
> > message to make sure the radio is turned on and not in memory mode. Once
> > connected, when I connect to my computer using the 8 pin DIN to USB I get
> a
> > sound card not able to communicate message. Also, in this configuration I
> > key the radio every time something in my computer uses the sound card.
> >
> > What am I missing here?
> >
> > Thanks
> >
> > Newell
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
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>

[Non-text portions of this message have been removed]

6750. Re: [orion565] Re: Connecting Orion to HRD

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-09 21:47:19 UTC
From: W Paul Mills
Topic: 6744 Message: 6750

Most problems with USB-to-serial cables that I have had are problems
with the drivers. Generally pays to make sure you have the latest drivers.

On 03/09/2011 10:24 AM, Bob McGraw - K4TAX wrote:
>
>
> I've a couple of Serial-to-USB converter cables. Some work with some
> applications while I've found that others do not. Basically all
> Serial-to-USB converters are not created equal. The reason I have two is
> that one works with one application but not all, and the other one works
> with the preferred application but again, not all.
>
> If Newell's suggestion doesn't work, consider a different brand/model of
> Serial-to-USB converter.

--
/**
* Amateur Radio Station AC0HY *
* W. Paul Mills SN807 *
* Assistant EC Alpha-1 ARES Shawnee/Wabunsee, KS *
* President Kaw Valley Amateur Radio Club *
**/

6751. Re: [orion565] Re: Connecting Orion to HRD

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-09 22:50:17 UTC
From: Bob McGraw - K4TAX
Topic: 6744 Message: 6751

Yes, I too have found that to be an issue. Still haven't found drivers that work with all of the applications I use. Thus is the need to have a 2nd Serial-to-USB converter to run with one specific application. Grrrrrr

Frustrating!!!!! At the same time, I'm thankful that I use an old computer that does have a real RS-232 port. That solves all of the issues all of the time.

73
Bob K4TAX

----- Original Message -----
From: W Paul Mills
To: orion565@yahoogroups.com
Sent: Wednesday, March 09, 2011 3:47 PM
Subject: Re: [orion565] Re: Connecting Orion to HRD

Most problems with USB-to-serial cables that I have had are problems
with the drivers. Generally pays to make sure you have the latest drivers.

On 03/09/2011 10:24 AM, Bob McGraw - K4TAX wrote:
>
>
> I've a couple of Serial-to-USB converter cables. Some work with some
> applications while I've found that others do not. Basically all
> Serial-to-USB converters are not created equal. The reason I have two is
> that one works with one application but not all, and the other one works
> with the preferred application but again, not all.
>
> If Newell's suggestion doesn't work, consider a different brand/model of
> Serial-to-USB converter.

--
/**
* Amateur Radio Station AC0HY *
* W. Paul Mills SN807 *
* Assistant EC Alpha-1 ARES Shawnee/Wabunsee, KS *
* President Kaw Valley Amateur Radio Club *
**/

[Non-text portions of this message have been removed]

6752. Re: [orion565] Re: Connecting Orion to HRD

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-10 15:04:27 UTC
From: Larry Menzel
Topic: 6744 Message: 6752

Ya know, boys, I have a suggestion for you that may fix all this.

First, all of you like to operate cw, I'm assuming, along with rtty and perhaps some contesting via ssb as well.

Second, we're all interested in being fairly state-of-the-art in our shacks or we wouldn't be having this conversation.

Finally, we don't seem to mind spending some dough to do all this.

So. I use a microHAM microKEYER II. Not only does this little box integrate all those features, cw keying, voice keying, rtty, PSK, but it provides interface for DX4Win and any other program like HRD. And it does all this with a single USB connection to your computer.

It comes with all the connectors to integrate it to your Orion. It operates on any COM port you wish to establish and works with virtual COM port selection. It's bulletproof and works all the time, every time. microHAM has it figured out.

I PROMISE you, you'll come to love this little interface, and even though it's a bit pricy, it simply works, and the support is superb.

Check it out. All your headaches will cease.

Larry, W0PR

On Wed, Mar 9, 2011 at 4:50 PM, Bob McGraw - K4TAX <RMcGraw@...>wrote:

>
>
> Yes, I too have found that to be an issue. Still haven't found drivers that
> work with all of the applications I use. Thus is the need to have a 2nd
> Serial-to-USB converter to run with one specific application. Grrrrrr
>
> Frustrating!!!!! At the same time, I'm thankful that I use an old computer
> that does have a real RS-232 port. That solves all of the issues all of the
> time.
>
>
> 73
> Bob K4TAX
>
>
> ----- Original Message -----
> From: W Paul Mills
> To: orion565@yahoogroups.com

> Sent: Wednesday, March 09, 2011 3:47 PM
> Subject: Re: [orion565] Re: Connecting Orion to HRD
>
> Most problems with USB-to-serial cables that I have had are problems
> with the drivers. Generally pays to make sure you have the latest drivers.
>
>
> On 03/09/2011 10:24 AM, Bob McGraw - K4TAX wrote:
> >
> >
> > I've a couple of Serial-to-USB converter cables. Some work with some
> > applications while I've found that others do not. Basically all
> > Serial-to-USB converters are not created equal. The reason I have two is
> > that one works with one application but not all, and the other one works
> > with the preferred application but again, not all.
> >
> > If Newell's suggestion doesn't work, consider a different brand/model of
> > Serial-to-USB converter.
>
> --
> /**
> * Amateur Radio Station AC0HY *
> * W. Paul Mills SN807 *
> * Assistant EC Alpha-1 ARES Shawnee/Wabunsee, KS *
> * President Kaw Valley Amateur Radio Club *
> **/
>
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

6753. Re: Connecting Orion to HRD

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-12 02:47:08 UTC
From: NewellC
Topic: 6744 Message: 6753

Wrll, I ahve tried three (3) different USB to serial adaptrers including the one from Ten Tec. I downloaded the latest drivers. Still no workee. Had the local computer guru come over and he went away mumbling to himself.

The Prolific website has a disclaimer that they just sell chips and do not make cables and any problems need to be taken to the cable manufacturers. I am sick of fighting the adapters. I ordered a card that will add two more RS2332 ports to my computer.

I will take a look at the microkeyer.

Thanks to all who replied.

73,

Newell

--- In orion565@yahoogroups.com, "NewellC" <ncrary@...> wrote:
>
> Here is the problem: I have used several serial to USB cables and many drivers but HRD will not connect with the radio unless I use COM1 with a straight through RS232 cable. With the serial to USB cable HRD gives a message to make sure the radio is turned on and not in memory mode. Once connected, when I connect to my computer using the 8 pin DIN to USB I get a sound card not able to communicate message. Also, in this configuration I key the radio every time something in my computer uses the sound card.
>
> What am I missing here?
>
> Thanks
>
> Newell
>

6754. Re: [orion565] Re: Connecting Orion to HRD

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-12 11:57:52 UTC
From: Barry N1EU
Topic: 6744 Message: 6754

I've had good luck with FTDI USB serial ports interfacing my Orion with HRD
and N1MM Logger.

An RS232 card should be even better.

73, Barry N1EU

On Sat, Mar 12, 2011 at 2:47 AM, NewellC <ncrary@...> wrote:

>
>
>
>
> Wrll, I ahve tried three (3) different USB to serial adaptrers including
> the one from Ten Tec. I downloaded the latest drivers. Still no workee. Had
> the local computer guru come over and he went away mumbling to himself.
>
> The Prolific website has a disclaimer that they just sell chips and do not
> make cables and any problems need to be taken to the cable manufacturers. I
> am sick of fighting the adapters. I ordered a card that will add two more
> RS2332 ports to my computer.
>
> I will take a look at the microkeyer.
>
> Thanks to all who replied.
>
> 73,
>
> Newell
>
>
> --- In orion565@yahoogroups.com, "NewellC" <ncrary@...> wrote:
> >
> > Here is the problem: I have used several serial to USB cables and many
> drivers but HRD will not connect with the radio unless I use COM1 with a
> straight through RS232 cable. With the serial to USB cable HRD gives a
> message to make sure the radio is turned on and not in memory mode. Once
> connected, when I connect to my computer using the 8 pin DIN to USB I get a
> sound card not able to communicate message. Also, in this configuration I
> key the radio every time something in my computer uses the sound card.
> >
> > What am I missing here?
> >
> > Thanks
> >
> > Newell

> >
>
>
>

[Non-text portions of this message have been removed]

6755. Re: [orion565] Re: Connecting Orion to HRD

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-12 12:24:31 UTC
From: Hector Padron
Topic: 6744 Message: 6755

I used same interface cable I purchased for my K3 from Elecraft and my Orion II works fine with that cable,have no idea who makes it but it works anytime I open HRD with windows 7 64bits.Its a serial to USB cable.

AD4C

"If freedom means something,it is the right to tell others what they don't want to hear" -George Orwell

--- On Sat, 3/12/11, Barry N1EU <barry.n1eu@...> wrote:

From: Barry N1EU <barry.n1eu@...>
Subject: Re: [orion565] Re: Connecting Orion to HRD
To: orion565@yahoogroups.com
Date: Saturday, March 12, 2011, 11:57 AM

I've had good luck with FTDI USB serial ports interfacing my Orion with HRD and N1MM Logger.

An RS232 card should be even better.

73, Barry N1EU

On Sat, Mar 12, 2011 at 2:47 AM, NewellC <ncrary@...> wrote:

>
>
>
>
> Wrll, I ahve tried three (3) different USB to serial adaptrers including
> the one from Ten Tec. I downloaded the latest drivers. Still no workee. Had
> the local computer guru come over and he went away mumbling to himself.
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> The Prolific website has a disclaimer that they just sell chips and do not
> make cables and any problems need to be taken to the cable manufacturers. I
> am sick of fighting the adapters. I ordered a card that will add two more
> RS2332 ports to my computer.
>
> I will take a look at the microkeyer.
>
> Thanks to all who replied.
>
> 73,
>
> Newell
>
>

> --- In orion565@yahoogroups.com, "NewellC" <ncrary@...> wrote:
> >
> > Here is the problem: I have used several serial to USB cables and many
> drivers but HRD will not connect with the radio unless I use COM1 with a
> straight through RS232 cable. With the serial to USB cable HRD gives a
> message to make sure the radio is turned on and not in memory mode. Once
> connected, when I connect to my computer using the 8 pin DIN to USB I get a
> sound card not able to communicate message. Also, in this configuration I
> key the radio every time something in my computer uses the sound card.
> >
> > What am I missing here?
> >
> > Thanks
> >
> > Newell
> >
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6756. Re: [orion565] Connecting Orion to HRD

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-12 14:43:37 UTC
From: Rolf Krogstad
Topic: 6744 Message: 6756

I had issues with USB-COM cables made the from Prolific chip set also.
Someone recommended I try one from Byte Runner www.byterunner.com.
That solved my problems. I have since switched to a microham interface, the
makers of MicroKeyer, and that has had no problems either.

Rolf NR0T

On Fri Mar 11, 2011 6:47 pm (PST), <orion565@yahoogroups.com> wrote:

> Re: Connecting Orion to HRD
> <http://groups.yahoo.com/group/orion565/message/6753;_ylc=X3oDMTJyaW40a2E5BF9TAzk3MzU5NzE1BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM2NzUzBHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzEyOTk5MjUyNzI->
>

> Posted by: "NewellC" ncrary@...
> <ncrary@...?Subject=+Re%3A%20Connecting%20Orion%20to%20HRD> craryn
> <http://profiles.yahoo.com/craryn> Fri Mar 11, 2011 6:47 pm (PST)
>
>
>
>
> Well, I have tried three (3) different USB to serial adapters including the
> one from Ten Tec. I downloaded the latest drivers. Still no workee. Had the
> local computer guru come over and he went away mumbling to himself.
>
> The Prolific website has a disclaimer that they just sell chips and do not
> make cables and any problems need to be taken to the cable manufacturers. I
> am sick of fighting the adapters. I ordered a card that will add two more
> RS2332 ports to my computer.
>
> I will take a look at the microkeyer.
>
> Thanks to all who replied.
>
> 73,
>
> Newell
>
> --- In orion565@yahoogroups.com, "NewellC" <ncrary@...> wrote:
> >
> > Here is the problem: I have used several serial to USB cables and many
> drivers but HRD will not connect with the radio unless I use COM1 with a
> straight through RS232 cable. With the serial to USB cable HRD gives a
> message to make sure the radio is turned on and not in memory mode. Once
> connected, when I connect to my computer using the 8 pin DIN to USB I get a

> sound card not able to communicate message. Also, in this configuration I
> key the radio every time something in my computer uses the sound card.
> >
> > What am I missing here?
> >
> > Thanks
> >
> > Newell
> >
>
>
> MARKETPLACE
>
> Stay on top of your group activity without leaving the page you're on - Get
> the Yahoo! Toolbar now.<http://global.ard.yahoo.com/SIG=15o17i1in/M=493064.14543979.14365478.13298430/D=groups/S=1705063108:MKP1/Y=YAHOO/EXP=1299932473/L=74d3e804-4c92-11e0-935b-134e3658f5e6/B=x622N0oGYzk-/J=1299925273068499/K=VNo768enGT5kx1VSXQVeNg/A=6060255/R=0/SIG=1194m4keh/*http://us.toolbar.yahoo.com/?.cpdl=grpj>
> ------------------------------
>
> Get great advice about dogs and cats. Visit the Dog & Cat Answers Center.<http://global.ard.yahoo.com/SIG=15ou14h20/M=493064.14543977.14365476.10835568/D=groups/S=1705063108:MKP1/Y=YAHOO/EXP=1299932473/L=74d3e804-4c92-11e0-935b-134e3658f5e6/B=yK22N0oGYzk-/J=1299925273068499/K=VNo768enGT5kx1VSXQVeNg/A=6078812/R=0/SIG=114ae4ln1/*http://dogandcatanswers.yahoo.com/>
>
>

[Non-text portions of this message have been removed]

6757. Re: Connecting Orion to HRD

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-12 15:34:58 UTC
From: ac8ap
Topic: 6744 Message: 6757

I am using a Belkin USB to Serial adapter to go to the serial port. Then I use Ten Tec's USB to Transciever cable model 712 to go into the AUX I/O. I change the Menu / SSB / TX Audio source to AUX. This will allow me to key the rig and transmit and recieve through both cables for soundcard modes. I went into my sound devices in the computer settings and made Virtual Audio Cable the default for Playback and Recording. This is the Ten Tec USB model 712 cable. (I believe I got this information accurate for the posting) I am using two seperate cables attached between the computer and the Orion. I checked the properties on the usb to serial port adapter to see what COM port it is assigned and set that in the HRD program. Sometimes it does not recognize the rig and I have to turn the Orion off and back on then start the HRD program again and it works. Something strange there but I am not sure whether it is the rig or the HRD program.

Alan
AC8AP

--- In orion565@yahoogroups.com, "NewellC" <ncrary@...> wrote:
>
> Here is the problem: I have used several serial to USB cables and many drivers but HRD will not connect with the radio unless I use COM1 with a straight through RS232 cable. With the serial to USB cable HRD gives a message to make sure the radio is turned on and not in memory mode. Once connected, when I connect to my computer using the 8 pin DIN to USB I get a sound card not able to communicate message. Also, in this configuration I key the radio every time something in my computer uses the sound card.
>
> What am I missing here?>
> Thanks
>
> Newell
>

6758. Re: Connecting Orion to HRD

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-12 16:29:24 UTC
From: Jose
Topic: 6744 Message: 6758

I finally got the serial to usb connection worked out and I just hooked up the tentec 712 sound card usb cable to the computer and I hear the signals but I get no TX audio out. The rig is keying but no power out. Please help!

--- In orion565@yahoogroups.com, "NewellC" <ncrary@...> wrote:
>
> Here is the problem: I have used several serial to USB cables and many drivers but HRD will not connect with the radio unless I use COM1 with a straight through RS232 cable. With the serial to USB cable HRD gives a message to make sure the radio is turned on and not in memory mode. Once connected, when I connect to my computer using the 8 pin DIN to USB I get a sound card not able to communicate message. Also, in this configuration I key the radio every time something in my computer uses the sound card.
>
> What am I missing here?
>
> Thanks
>
> Newell
>

6759. UPDATE ---- my issues list with 2.064x11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-12 17:38:33 UTC
From: saukp
Topic: 6721 Message: 6759

hi all

As I promised to a few other with same issues, I decided to reload and try multiple master resets as was recommended by a few people

In an attempt to clear out the three issues I went thru the following sequence

1. Loaded stable version 2.062a doing two master resets and ram clear
2. Ran tests for the three issues and none were found

3. Loaded 2.064x11 doing two master rests and ram clear
4. Ran test for the three identified issues

As a result of the testing, all three still persist and are repeatable

Some one had recommended doing multiple master resets, so i did.

After doing 20 more master resets and ram clears

5. Ran tests again and the three issues still persist

Someone had mention I also checked for the BW/PBT display not updating to correct values when just going thru the same band registers.
yep..problem is there too.

I have not tested NB or NR functionality..so i have no comments there

I still like this version 2.064x11,It has a lot to offer and I think JH and Crew at TT have done a nice job getting the orion and orion II on same codebase and as close as possible operating alike.

Just needs a few tweeks for me.

Paul K3sf

6760. Re: Connecting Orion to HRD

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-12 17:41:16 UTC
From: Alan Shafer
Topic: 6744 Message: 6760

In HRD Digital Master click on Program Options.

Click on Soundcard

Set Input device to Microphone (USB audio CODEC0

Set Output device to Speakers (USB audio CODEC)

My output db selection below that with the choices is set to 0dB I don't think I ever messed with that. This is how mine is set and I can work PSK using HRD and the Orion. I can send you screen shots if you need them to help. I don't think I can post them here.

Alan

AC8AP

[Non-text portions of this message have been removed]

6761. Re: Connecting Orion to HRD

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-12 18:56:10 UTC
From: Jose
Topic: 6744 Message: 6761

I HAVE DONE THAT AND MORE AND THEN PUT IT ALL BACK TO DEFAULT BUT STILL NO TX OUT POWER OR sounds going to the radio from the computer.. I AM RUNNING WIN 7 64BIT AND HAVE TRIED IT WITH TWO COMPUTERS.
I AM SERIOUSLY CONSIDERING BUYING THAT USB MICRO KEYER II AFTER READING ALL THE RAVING REVIEWS AND EXPERIENCING ALL THESE PROBLEMS. I WANT TO DO THE DIGITAL MODES BUT THIS IS TOO MUCH TROUBLE! IF YOU HAVE SCREEN SHOTS YOU CAN SEND THEM TO ME at jodelauz@....

--- In orion565@yahoogroups.com, "Alan Shafer" <AshaferS@...> wrote:
>
> In HRD Digital Master click on Program Options.
>
> Click on Soundcard
>
> Set Input device to Microphone (USB audio CODEC0
>
> Set Output device to Speakers (USB audio CODEC)
>
>
>
> My output db selection below that with the choices is set to 0dB I don't
> think I ever messed with that. This is how mine is set and I can work PSK
> using HRD and the Orion. I can send you screen shots if you need them to
> help. I don't think I can post them here.
>
>
>
>
>
> Alan
>
> AC8AP
>
>
>
> [Non-text portions of this message have been removed]
>

6762. Re: FYI ---- my issues list with 2.064x11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-12 19:19:29 UTC
From: N1EU
Topic: 6721 Message: 6762

--- In orion565@yahoogroups.com, "saukp" <saukp@...> wrote:
>
> This is my short list of issues I have come across while recently operating in ARRL SSB DX contest this past weekend.
> 1. CW VOX -
>
> Symptom Number 1 is when in cw mode and vox engaged the radio goes into a pseudo transmit mode...the antenna is switch from receive to transmit and amp relay is keyed...this requires that vox be disengage to clear..not operating split

I'm able to replicate this. Turning on VOX in cw mode mutes the main rx (not the subrx).

> Symptom Number 2 .. when operating split and not mode tracking rcv main in ssb mode and rcv sub is cw mode and is the xmit freq and vox engaged..when speaking into mike ..get a cw carrier and rig locks up in transmit mode..this requires a power down to clear

I can't replicate this. With tx and subrx (cw) on vfoB, the rig won't transmit using either VOX or PTT

> 2. BPT and BW not display updating to actual when switching bands
>

I can't replicate this either

73, Barry N1EU

6764. Re: Connecting Orion to HRD

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-13 10:18:10 UTC
From: Michael
Topic: 6744 Message: 6764

Newell, All,

I use a Vivanco USB-Serial cable and have no problems under Windows or Linux. Requires a driver download for windows, and you may need to re-assign a USB port if your available COM ports are too high (i.e. COM21 etc). That is easily done in device manager.

Of interest, I use Xlog and Xdx under Ubuntu linux on an Acer Aspire One netbook.

Here is a link to the adapter:
http://www.vivanco-direct.com/Computer-Peripherals/Computer-Cables-554/USB-Cable/USB-SERIAL-ADAPTER

Regards

Mick

--- In orion565@yahoogroups.com, "NewellC" <ncrary@...> wrote:
>
> Here is the problem: I have used several serial to USB cables and many drivers but HRD will not connect with the radio unless I use COM1 with a straight through RS232 cable. With the serial to USB cable HRD gives a message to make sure the radio is turned on and not in memory mode. Once connected, when I connect to my computer using the 8 pin DIN to USB I get a sound card not able to communicate message. Also, in this configuration I key the radio every time something in my computer uses the sound card.
>
> What am I missing here?
>
> Thanks
>
> Newell
>

6765. OT: Finally an antenna for Topband (still having lots of fun using V1.373b5)

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-13 14:11:26 UTC
From: Mark
Topic: 6765 Message: 6765

Since my move to a new QTH some years ago I finally managed to get on the air on Topband. 100W at some 90ft 0.2mm dia wire, an ATU, groundrod and a handfull VERY short radials in just 1 direction DOES make QSO's. Shameless plugging: http://pa5mw.blogspot.com

thanks for all you great ops, pulling me out of the noise

Since I do CW only and never use the bandscope, V1.373b5 is still runnning. I like the way it is currently, especially the AGC structure.

Question: Not found any quirks yet,is there any benefit for me to try the new V2 in such a way it provides more qso's?

73 Mark, PA5MW

6766. omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-13 14:17:03 UTC
From: ron story
Topic: 6766 Message: 6766

ive had the bad luck of a lighting strike, so now am faced with getting a new rig, my orion is toast, does anyone have any ideas on how different the orion 2 and the omni are. i know of the phy diffs, wondering if the rcvr is close to equal, i dont use the second rcvr in the orion anyway, so that is no selling point for me. any input is welcome. ron ne0x

[Non-text portions of this message have been removed]

6767. Re: [orion565] omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-13 14:22:53 UTC
From: Michael W Elliott
Topic: 6766 Message: 6767

get Orion I unless you are sold on the color screen

I have the Orion II and can't see where there is a real need to have it unless you like the color display - seems to be more firmware updates for the Orion I than the II

both radios are fine

If I could I would also get a K3 for cw -- its a drop dead radio -- and you dont have to ge the 2nd receiver

THing I dont like about the Orions is the 2nd receiver suck

just my opinion

Michael W. Elliott
"THE INSIDE ADVANTAGE"   -
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Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri

--- On Sun, 3/13/11, ron story <ronnieboy1947@...> wrote:

From: ron story <ronnieboy1947@...>
Subject: [orion565] omni 7 vs orion 2
To: orion565@yahoogroups.com
Date: Sunday, March 13, 2011, 9:17 AM

ive had the bad luck of a lighting strike, so now am faced with getting a new

rig, my orion is toast, does anyone have any ideas on how different the orion 2

and the omni are. i know of the phy diffs, wondering if the rcvr is close to

equal, i dont use the second rcvr in the orion anyway, so that is no selling

point for me. any input is welcome. ron ne0x

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6768. Re: [orion565] omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-13 14:58:24 UTC
From: Larry
Topic: 6766 Message: 6768

Hi Ron ... At one time or another I have had the OmniVII, the OrionI and I now own an OrionII. Having had an opportunity to try all three, I have an opinion but it will probably be different than many other hams that will write you but here's what I found. The OmniVII is OK but I was not impressed with the receive audio and since that's what I get from the radio, I did not keep it very long. It's pretty though! Next, I got a great deal on an OrionI and that is a real radio. It was probably the best radio that I have ever had. I could find little fault with it except the display was not impressive. I contacted TT and ask about the blue/silver display that they have on the Jupiter and surprisingly it IS available for the OrionI and the cost is only $150 plus installation labor. That would have made a huge difference! About a month ago I ordered an OrionII and it really has it all, including a big price. I do not see much difference in the operation of the I and II except the display and TT was very honest at telling me what I would find. The OrionII will never leave my shack! BUT if I had it to do all over again I would find a nice, well adorned, OrionI and have that new display put on and with the money left over, I would take a nice vacation! I am seeing a lot of OrionI's and they are a bargain!

Larry W8ER

ron story wrote:
>
> ive had the bad luck of a lighting strike, so now am faced with
> getting a new
> rig, my orion is toast, does anyone have any ideas on how different
> the orion 2
> and the omni are. i know of the phy diffs, wondering if the rcvr is
> close to
> equal, i dont use the second rcvr in the orion anyway, so that is no
> selling
> point for me. any input is welcome. ron ne0x
>
> [Non-text portions of this message have been removed]
>
>

6769. Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-13 15:43:51 UTC
From: dyarnes1
Topic: 6766 Message: 6769

Hi All,

Pretty well stated Michael, and I think it's accurate. I had an Orion II, but it probably wasn't sufficiently better than the original Orion to justify the cost differential. I now have a K3, and it's just flat a better radio. However, not everyone would agree, and for a variety of reasons. It's pretty easy to "over-buy" when it comes to ham gear (and lots of other stuff too!). But don't beat yourself up too much if you do it. You have lots of company out there.

Dave W7AQK

--- In orion565@...m, Michael W Elliott <kq0b@...> wrote:
>
> getÂ Orion IÂ unless you are sold on the color screen
>
> I have the Orion IIÂ and can't see where there is a real need to have it unless you like the color displayÂ - seems to be more firmware updates for the Orion I than the II
>
> both radios are fine
>
> If I could I would also get a K3 for cwÂ -- its a drop dead radioÂ --Â and you dont have to ge the 2nd receiver
>
> THing I dont like about the Orions is the 2nd receiverÂ suck
>
> just my opinion
>
> Michael W. Elliott
> "THE INSIDE ADVANTAGE" Â Â -
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> Servant to Bridgett, Collin and all my Creditors
> St. Louis County Missouri
>

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6770. Re: [orion565] Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-13 16:40:39 UTC
From: Michael W Elliott
Topic: 6766 Message: 6770

Again - I would say a lot is about marketing and both companies do a good job doing that with user groups

The best of all worlds is to use the Orion for SSB; not to say it is not good for cw

I will prob get the K3 by end of this year --- will do the extra filtering -- drop dead great cw radio ALSO K3 has the built in packet and rtty   the Orion does not

none of these rigs are cheap

my current Orion II would say be about $4500 today market, maybe a little more since I got all the filters, fan, mike etc

if you just want to try the Orion do the Orion I and get the screen upgrade like someone else said

but remember
the Orion 2nd receiver sucks and it is not good for split operation in my opinion

Michael W. Elliott
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St. Louis County Missouri

--- On Sun, 3/13/11, dyarnes1 <w7aqk@...> wrote:

From: dyarnes1 <w7aqk@...>
Subject: [orion565] Re: omni 7 vs orion 2
To: orion565@yahoogroups.com
Date: Sunday, March 13, 2011, 10:43 AM

Hi All,

Pretty well stated Michael, and I think it's accurate. I had an Orion II, but it probably wasn't sufficiently better than the original Orion to justify the cost differential. I now have a K3, and it's just flat a better radio. However, not everyone would agree, and for a variety of reasons. It's pretty easy to "over-buy" when it comes to ham gear (and lots of other stuff too!). But don't beat yourself up too much if you do it. You have lots of company out there.

Dave W7AQK

--- In orion565@yahoogroups.com, Michael W Elliott <kq0b@...> wrote:

>

> getÂ Orion IÂ unless you are sold on the color screen

>

> I have the Orion IIÂ and can't see where there is a real need to have it unless you like the color displayÂ - seems to be more firmware updates for the Orion I than the II

>

> both radios are fine

>

> If I could I would also get a K3 for cwÂ -- its a drop dead radioÂ --Â and you dont have to ge the 2nd receiver

>

> THing I dont like about the Orions is the 2nd receiverÂ suck

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> just my opinion

>

> Michael W. Elliott

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[Non-text portions of this message have been removed]

6771. Re: [orion565] Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-13 17:22:02 UTC
From: Barry N1EU
Topic: 6766 Message: 6771

On Sun, Mar 13, 2011 at 4:40 PM, Michael W Elliott <kq0b@...>wrote:

> but remember
> the Orion 2nd receiver sucks and it is not good for split operation in my
> opinion
>
> Although I often long for a better Orion subreceiver, I have to admit that
I've used it A LOT.

Have a listen to the Orion subreceiver getting it done on 20M in the 2007 CQ
WW cw contest:

http://n1eu.com/n1mm/cwso2v.htm

73, Barry N1EU

[Non-text portions of this message have been removed]

6772. Re: [orion565] Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-13 17:33:33 UTC
From: Tom Berry
Topic: 6766 Message: 6772

On 3/13/2011 1:22 PM, Barry N1EU wrote:
>
> Have a listen to the Orion subreceiver getting it done on 20M in the 2007 CQ
> WW cw contest:
>
> http://n1eu.com/n1mm/cwso2v.htm
>
> 73, Barry N1EU
>
>

Thanks Barry, Very interesting. I guess I get tired of people
complaining about the Orion sub receiver.
I use it for diversity reception at times and it works for me.

73 Tom AA4VV

6773. Re: [orion565] Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-13 17:50:58 UTC
From: Michael W Elliott
Topic: 6766 Message: 6773

Barry I wont disagree on the diversity but the sub receiver in my old FT 1000mp Mark V was better in opinion

I am not saying the radio is a loser -- I use it 80-90% on cw

But

it does not have the same nice gain or receive as the main receiver
too bad Ten Tec did not address that

I would say the rig has other good features but the K3 will beat it on the 2nd receiver infact
when I had the IcomPro II it did better on the 2nd receiver than Ten Tec

all this is a matter of subjective opinion to the reader

Still value your opinions a lot and respect your wisdom

Michael W. Elliott
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St. Louis County Missouri

--- On Sun, 3/13/11, Barry N1EU <barry.n1eu@...> wrote:

From: Barry N1EU <barry.n1eu@...>
Subject: Re: [orion565] Re: omni 7 vs orion 2
To: orion565@yahoogroups.com
Date: Sunday, March 13, 2011, 12:22 PM

On Sun, Mar 13, 2011 at 4:40 PM, Michael W Elliott <kq0b@...>wrote:

> but remember

> the Orion 2nd receiver sucks and it is not good for split operation in my

> opinion

>

> Although I often long for a better Orion subreceiver, I have to admit that

I've used it A LOT.

Have a listen to the Orion subreceiver getting it done on 20M in the 2007 CQ

WW cw contest:

http://n1eu.com/n1mm/cwso2v.htm

73, Barry N1EU

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6774. RE: [orion565] Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-13 18:06:27 UTC
From: Duane Calvin
Topic: 6766 Message: 6774

The second receiver in my Orion is what makes it the great DX-working tool that it is. Agreed, the sub-rx does not perform nearly as well as the main RX. However, when I'm trying to work DX, I use the Main RX to pull the DX out of the noise + QRM, and I use the Sub RX linked to VFO-B with my transmit frequency to find where he is working in the pile, and then place my transmit signal. I don't need all the power of the Main RX for that purpose. Would it be nice to have? I suppose, but I'm not sure I'd use it much because that wouldn't suit my purposes as much. Now, if you're going to use it as a diversity RX arrangement on 160m, then the differences in the Main and Sub become more of a problem. Since diversity reception on 160m is not in my plans for a long time, I will continue enjoying my Orion and both its receivers!

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Michael W Elliott
Sent: Sunday, March 13, 2011 12:51 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: omni 7 vs orion 2

Barry I wont disagree on the diversity but the sub receiver in my old FT 1000mp Mark V was better in opinion

I am not saying the radio is a loser -- I use it 80-90% on cw

But

it does not have the same nice gain or receive as the main receiver
too bad Ten Tec did not address that

I would say the rig has other good features but the K3 will beat it on the 2nd receiver infact
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all this is a matter of subjective opinion   to the reader

Still value your opinions a lot and respect your wisdom

Michael W. Elliott
"THE INSIDE ADVANTAGE"   -
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Servant to Bridgett, Collin and all my Creditors

St. Louis County Missouri

--- On Sun, 3/13/11, Barry N1EU <barry.n1eu@...> wrote:

From: Barry N1EU <barry.n1eu@gmail.com>
Subject: Re: [orion565] Re: omni 7 vs orion 2
To: orion565@yahoogroups.com
Date: Sunday, March 13, 2011, 12:22 PM

On Sun, Mar 13, 2011 at 4:40 PM, Michael W Elliott
<kq0b@sbcglobal.net>wrote:

> but remember

> the Orion 2nd receiver sucks and it is not good for split operation in my

> opinion

>

> Although I often long for a better Orion subreceiver, I have to admit that

I've used it A LOT.

Have a listen to the Orion subreceiver getting it done on 20M in the 2007 CQ

WW cw contest:

http://n1eu.com/n1mm/cwso2v.htm

73, Barry N1EU

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

Yahoo! Groups Links

6775. RE: [orion565] Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-13 19:00:42 UTC
From: Michael W Elliott
Topic: 6766 Message: 6775

ahh you made my point

I do work low bands a lot -- most of the time to be infact

80/160 a good second receiver is important

maybe I am doing something wrong if you ever have the time we can do a one on one chat on SKYPE

de
KQ0B

Michael W. Elliott
"THE INSIDE ADVANTAGE"   -
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Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri

--- On Sun, 3/13/11, Duane Calvin <ac5aa1@...> wrote:

From: Duane Calvin <ac5aa1@...>
Subject: RE: [orion565] Re: omni 7 vs orion 2
To: orion565@yahoogroups.com
Date: Sunday, March 13, 2011, 1:06 PM

The second receiver in my Orion is what makes it the great DX-working tool

that it is. Agreed, the sub-rx does not perform nearly as well as the main

RX. However, when I'm trying to work DX, I use the Main RX to pull the DX

out of the noise + QRM, and I use the Sub RX linked to VFO-B with my

transmit frequency to find where he is working in the pile, and then place

my transmit signal. I don't need all the power of the Main RX for that

purpose. Would it be nice to have? I suppose, but I'm not sure I'd use it

much because that wouldn't suit my purposes as much. Now, if you're going

to use it as a diversity RX arrangement on 160m, then the differences in the

Main and Sub become more of a problem. Since diversity reception on 160m is

not in my plans for a long time, I will continue enjoying my Orion and both

its receivers!

73, Duane

Duane Calvin, AC5AA

Austin, Texas

www.ac5aa.com

-----Original Message-----

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf

Of Michael W Elliott

Sent: Sunday, March 13, 2011 12:51 PM

To: orion565@yahoogroups.com

Subject: Re: [orion565] Re: omni 7 vs orion 2

Barry I wont disagree on the diversity but the sub receiver in my old FT

1000mp Mark V was better in opinion

I am not saying the radio is a loser -- I use it 80-90% on cw

But

it does not have the same nice gain or receive as the main receiver

too bad Ten Tec did not address that

I would say the rig has other good features but the K3 will beat it on the

2nd receiver infact

when I had the IcomPro II it did better on the 2nd receiver than Ten Tec

all this is a matter of subjective opinion   to the reader

Still value your opinions a lot and respect your wisdom

Michael W. Elliott

"THE INSIDE ADVANTAGE"   -

RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS

Servant to Bridgett, Collin and all my Creditors

St. Louis County Missouri

--- On Sun, 3/13/11, Barry N1EU <barry.n1eu@...> wrote:

From: Barry N1EU <barry.n1eu@...>

Subject: Re: [orion565] Re: omni 7 vs orion 2

To: orion565@yahoogroups.com

Date: Sunday, March 13, 2011, 12:22 PM

On Sun, Mar 13, 2011 at 4:40 PM, Michael W Elliott

<kq0b@...>wrote:

> but remember

> the Orion 2nd receiver sucks and it is not good for split operation in my

> opinion

>

> Although I often long for a better Orion subreceiver, I have to admit that

I've used it A LOT.

Have a listen to the Orion subreceiver getting it done on 20M in the 2007 CQ

WW cw contest:

http://n1eu.com/n1mm/cwso2v.htm

73, Barry N1EU

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[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

6776. Re: [orion565] Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-13 19:23:41 UTC
From: David Yarnes
Topic: 6766 Message: 6776

Well, I wouldn't go so far as to say the sub RX on the Orion "sucks", but it definitely isn't nearly the RX as the main one. That's one of the reasons the K3 has a leg up on the Orions--the sub RX is exactly the same as the main RX, and both can be filtered to your preference. You can get true diversity reception on the K3, etc. However, that's a "gee whiz" feature to many, and not something everyone takes a lot of advantage of--or needs to. Nonetheless, you are absolutely right that the Orion's sub RX is maligned a good bit more than it deserves. It's certainly competent, but just not great.

Dave W7AQK

----- Original Message -----
From: Tom Berry
To: orion565@yahoogroups.com
Sent: Sunday, March 13, 2011 10:33 AM
Subject: Re: [orion565] Re: omni 7 vs orion 2

On 3/13/2011 1:22 PM, Barry N1EU wrote:
>
> Have a listen to the Orion subreceiver getting it done on 20M in the 2007 CQ
> WW cw contest:
>
> http://n1eu.com/n1mm/cwso2v.htm
>
> 73, Barry N1EU
>
>

Thanks Barry, Very interesting. I guess I get tired of people
complaining about the Orion sub receiver.
I use it for diversity reception at times and it works for me.

73 Tom AA4VV

[Non-text portions of this message have been removed]

6777. New Bench

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-13 19:25:11 UTC
From: kf8zn
Topic: 6777 Message: 6777

Just got my new Radio Bench Populated and Neatened up, photo in Album AC2Q

6778. Re: [orion565] Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-13 19:30:53 UTC
From: Michael W Elliott
Topic: 6766 Message: 6778

I would agree with your comments

suck is such a hard terrm

a gentler term would be "competitive"

thanks for all the comments and thoughts

Michael W. Elliott
"THE INSIDE ADVANTAGE" -
RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri

--- On Sun, 3/13/11, David Yarnes <w7aqk@...> wrote:

From: David Yarnes <w7aqk@...>
Subject: Re: [orion565] Re: omni 7 vs orion 2
To: orion565@yahoogroups.com
Date: Sunday, March 13, 2011, 2:23 PM

Well, I wouldn't go so far as to say the sub RX on the Orion "sucks", but it definitely isn't nearly the RX as the main one. That's one of the reasons the K3 has a leg up on the Orions--the sub RX is exactly the same as the main RX, and both can be filtered to your preference. You can get true diversity reception on the K3, etc. However, that's a "gee whiz" feature to many, and not something everyone takes a lot of advantage of--or needs to. Nonetheless, you are absolutely right that the Orion's sub RX is maligned a good bit more than it deserves. It's certainly competent, but just not great.

Dave W7AQK

----- Original Message -----

From: Tom Berry

To: orion565@yahoogroups.com

Sent: Sunday, March 13, 2011 10:33 AM

Subject: Re: [orion565] Re: omni 7 vs orion 2

On 3/13/2011 1:22 PM, Barry N1EU wrote:

>

> Have a listen to the Orion subreceiver getting it done on 20M in the 2007 CQ

> WW cw contest:

>

> http://n1eu.com/n1mm/cwso2v.htm

>

> 73, Barry N1EU

>

>

Thanks Barry, Very interesting. I guess I get tired of people

complaining about the Orion sub receiver.

I use it for diversity reception at times and it works for me.

73 Tom AA4VV

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6780. Re: New Bench

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-13 20:36:16 UTC
From: k1fpv
Topic: 6777 Message: 6780

Nice looking setup! Simple and looks very functional! I'm curious as to how you like the Centaur Linear? Is the fan as noisy as some have claimed?

Thanks,
Bill/K1FPV

--- In orion565@yahoogroups.com, "kf8zn" <kf8zn@...> wrote:
>
> Just got my new Radio Bench Populated and Neatened up, photo in Album AC2Q
>

6781. Re: New Bench

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-13 21:47:21 UTC
From: kf8zn
Topic: 6777 Message: 6781

I don't find the Centaur fan all that noisy.

Thanks for the compliment, 2 sheets of 3/4 inch plywood and some carpet.

--- In orion565@yahoogroups.com, "k1fpv" <k1fpv@...> wrote:
>
> Nice looking setup! Simple and looks very functional! I'm curious as to how you like the Centaur Linear? Is the fan as noisy as some have claimed?
>
> Thanks,
> Bill/K1FPV
>
>
>
> --- In orion565@yahoogroups.com, "kf8zn" <kf8zn@> wrote:
> >
> > Just got my new Radio Bench Populated and Neatened up, photo in Album AC2Q
> >
>

6782. Re: [orion565] Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-13 22:31:54 UTC
From: Larry Menzel
Topic: 6766 Message: 6782

Ok the second receiver ain't what it should be, but we knew that going in.

But to say that the Orion II isn't great on CW is simply wrong, Michael, there is no better cw rig on the market. Period. The break-in is flawless, and drives a full break-in amplifier like no other radio I've used. I've used Kenwoods, Icoms, Yaesus over the years, and nothing comes close to the Orion II for a hard-core cw op.

With the roofing filters in place, I cannot understand how you can feel differently, although, I'll be the first to admit that it's certainly a personal preference kinda thing.

As far as split operation is concerned, I use it every day, and I'm at the top of the Honor Roll. I find it works just peachy for all uses, cw, ssb and RTTY. Proper utilization of the fabulous adjustable AGC responses makes that second receiver completely adequate for my uses. And I especially appreciate it on 160 during noisy conditions, split or not.

YMMV

Larry, W0PR
Northfield, MN

On Sun, Mar 13, 2011 at 2:49 PM, <catfishtwo@...> wrote:

>
>
> I mostly use the second reciever as a transmitter only when working split,
> I coppy the freq over (A>B) the spin up a couple of KC's and push the VFO
> B button and am working split, I also use it for diversity reception, but
> not often,
>
> Tom
>
> N6AJR
>
> In a message dated 3/13/2011 10:22:04 A.M. Pacific Daylight Time,
> barry.n1eu@... writes:
>
> On Sun, Mar 13, 2011 at 4:40 PM, Michael W Elliott
> <kq0b@...>wrote:
>
> > but remember
> > the Orion 2nd receiver sucks and it is not good for split operation in
> my
> > opinion
> >

> > Although I often long for a better Orion subreceiver, I have to admit
> that
> I've used it A LOT.
>
> Have a listen to the Orion subreceiver getting it done on 20M in the 2007
> CQ
> WW cw contest:
>
> http://n1eu.com/n1mm/cwso2v.htm
>
> 73, Barry N1EU
>
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> Yahoo! Groups Links
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6783. Re: [orion565] Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-13 23:32:40 UTC
From: tnnyswy@yahoo.com
Topic: 6766 Message: 6783

Larry Sir, that's a whole lot of Ten Tec Kool Aid you just drank! (Big Grin)

73 > Milverton.
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: Larry Menzel <retire@means.net>
Sender: orion565@yahoogroups.com
Date: Sun, 13 Mar 2011 17:31:54
To: <orion565@yahoogroups.com>
Reply-To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: omni 7 vs orion 2

Ok the second receiver ain't what it should be, but we knew that going in.

But to say that the Orion II isn't great on CW is simply wrong, Michael, there is no better cw rig on the market. Period. The break-in is flawless, and drives a full break-in amplifier like no other radio I've used. I've used Kenwoods, Icoms, Yaesus over the years, and nothing comes close to the Orion II for a hard-core cw op.

With the roofing filters in place, I cannot understand how you can feel differently, although, I'll be the first to admit that it's certainly a personal preference kinda thing.

As far as split operation is concerned, I use it every day, and I'm at the top of the Honor Roll. I find it works just peachy for all uses, cw, ssb and RTTY. Proper utilization of the fabulous adjustable AGC responses makes that second receiver completely adequate for my uses. And I especially appreciate it on 160 during noisy conditions, split or not.

YMMV

Larry, W0PR
Northfield, MN

On Sun, Mar 13, 2011 at 2:49 PM, <catfishtwo@aol.com> wrote:

>
>
> I mostly use the second reciever as a transmitter only when working split,
> I coppy the freq over (A>B) the spin up a couple of KC's and push the VFO
> B button and am working split, I also use it for diversity reception, but
> not often,
>
> Tom
>

> N6AJR
>
> In a message dated 3/13/2011 10:22:04 A.M. Pacific Daylight Time,
> barry.n1eu@gmail.com writes:
>
> On Sun, Mar 13, 2011 at 4:40 PM, Michael W Elliott
> <kq0b@sbcglobal.net>wrote:
>
> > but remember
> > the Orion 2nd receiver sucks and it is not good for split operation in
> my
> > opinion
> >
> > Although I often long for a better Orion subreceiver, I have to admit
> that
> I've used it A LOT.
>
> Have a listen to the Orion subreceiver getting it done on 20M in the 2007
> CQ
> WW cw contest:
>
> http://n1eu.com/n1mm/cwso2v.htm
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> 73, Barry N1EU
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> Yahoo! Groups Links
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Yahoo! Groups Links

6784. Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-14 00:01:40 UTC
From: Bruce
Topic: 6766 Message: 6784

I'll throw my 2 cents worth in here.
I own both the Orion 2 and the Omni 7.
I sold my K3 because I just did not like the radio.
Of the three I'd want the Orion 2 if I could only have one.
Nothing wrong with the Omni but it is not as nice as the Orion in my estimation. The Omni audio quality is good, certainly much better than the K3, but it is not up to that of the Orion.
The Omni receiver is nice but again not up to what is available in the Orion. My understanding is that the second receiver in the Orion 2 is basically the Jupiter receiver, not equal to the Omni or the main Orion receiver but not exactly terrible......
No Kool-aid here just my favorite radio.
Bruce
--- In orion565@yahoogroups.com, tnnyswy@... wrote:
>
> Larry Sir, that's a whole lot of Ten Tec Kool Aid you just drank! (Big Grin)
>
> 73 > Milverton.
> Sent from my Verizon Wireless BlackBerry
>
> -----Original Message-----
> From: Larry Menzel <retire@...>
> Sender: orion565@yahoogroups.com
> Date: Sun, 13 Mar 2011 17:31:54
> To: <orion565@yahoogroups.com>
> Reply-To: orion565@yahoogroups.com
> Subject: Re: [orion565] Re: omni 7 vs orion 2
>
> Ok the second receiver ain't what it should be, but we knew that going in.
>
> But to say that the Orion II isn't great on CW is simply wrong, Michael,
> there is no better cw rig on the market. Period. The break-in is flawless,
> and drives a full break-in amplifier like no other radio I've used. I've
> used Kenwoods, Icoms, Yaesus over the years, and nothing comes close to the
> Orion II for a hard-core cw op.
>
> With the roofing filters in place, I cannot understand how you can feel
> differently, although, I'll be the first to admit that it's certainly a
> personal preference kinda thing.
>
> As far as split operation is concerned, I use it every day, and I'm at the
> top of the Honor Roll. I find it works just peachy for all uses, cw, ssb
> and RTTY. Proper utilization of the fabulous adjustable AGC responses makes
> that second receiver completely adequate for my uses. And I especially
> appreciate it on 160 during noisy conditions, split or not.
>

> YMMV
>
> Larry, W0PR
> Northfield, MN
>
>
>
> On Sun, Mar 13, 2011 at 2:49 PM, <catfishtwo@...> wrote:
>
> >
> >
> > I mostly use the second reciever as a transmitter only when working split,
> > I coppy the freq over (A>B) the spin up a couple of KC's and push the VFO
> > B button and am working split, I also use it for diversity reception, but
> > not often,
> >
> > Tom
> >
> > N6AJR
> >
> > In a message dated 3/13/2011 10:22:04 A.M. Pacific Daylight Time,
> > barry.n1eu@... writes:
> >
> > On Sun, Mar 13, 2011 at 4:40 PM, Michael W Elliott
> > <kq0b@...>wrote:
> >
> > > but remember
> > > the Orion 2nd receiver sucks and it is not good for split operation in
> > my
> > > opinion
> > >
> > > Although I often long for a better Orion subreceiver, I have to admit
> > that
> > I've used it A LOT.
> >
> > Have a listen to the Orion subreceiver getting it done on 20M in the 2007
> > CQ
> > WW cw contest:
> >
> > http://n1eu.com/n1mm/cwso2v.htm
> >
> > 73, Barry N1EU
> >
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> Yahoo! Groups Links
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6785. Re: [orion565] Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-14 01:30:37 UTC
From: Mike Elliott
Topic: 6766 Message: 6785

I love all the attention and comments I generated

Remember I own the ORion II and invested it. Hey my seond rig will be K3 no doubt about that. I also worked a lot of dx with it but it's time to test deeper water.

I will say the knobs are sure purdy.
Just kidding

Thanks for all the comments but still say Ten TEc could have better with the second receiver for the price

IMHO

Sent from my iPhone

On Mar 13, 2011, at 18:32, tnnyswy@... wrote:

> Larry Sir, that's a whole lot of Ten Tec Kool Aid you just drank! (Big Grin)
>
> 73 > Milverton.
> Sent from my Verizon Wireless BlackBerry
>
> -----Original Message-----
> From: Larry Menzel <retire@...>
> Sender: orion565@yahoogroups.com
> Date: Sun, 13 Mar 2011 17:31:54
> To: <orion565@yahoogroups.com>
> Reply-To: orion565@yahoogroups.com
> Subject: Re: [orion565] Re: omni 7 vs orion 2
>
> Ok the second receiver ain't what it should be, but we knew that going in.
>
> But to say that the Orion II isn't great on CW is simply wrong, Michael,
> there is no better cw rig on the market. Period. The break-in is flawless,
> and drives a full break-in amplifier like no other radio I've used. I've
> used Kenwoods, Icoms, Yaesus over the years, and nothing comes close to the
> Orion II for a hard-core cw op.
>
> With the roofing filters in place, I cannot understand how you can feel
> differently, although, I'll be the first to admit that it's certainly a
> personal preference kinda thing.
>
> As far as split operation is concerned, I use it every day, and I'm at the
> top of the Honor Roll. I find it works just peachy for all uses, cw, ssb
> and RTTY. Proper utilization of the fabulous adjustable AGC responses makes
> that second receiver completely adequate for my uses. And I especially
> appreciate it on 160 during noisy conditions, split or not.

>
> YMMV
>
> Larry, W0PR
> Northfield, MN
>
>
>
> On Sun, Mar 13, 2011 at 2:49 PM, <catfishtwo@...> wrote:
>
> >
> >
> > I mostly use the second reciever as a transmitter only when working split,
> > I coppy the freq over (A>B) the spin up a couple of KC's and push the VFO
> > B button and am working split, I also use it for diversity reception, but
> > not often,
> >
> > Tom
> >
> > N6AJR
> >
> > In a message dated 3/13/2011 10:22:04 A.M. Pacific Daylight Time,
> > barry.n1eu@... writes:
> >
> > On Sun, Mar 13, 2011 at 4:40 PM, Michael W Elliott
> > <kq0b@...>wrote:
> >
> > > but remember
> > > the Orion 2nd receiver sucks and it is not good for split operation in
> > my
> > > opinion
> > >
> > > Although I often long for a better Orion subreceiver, I have to admit
> > that
> > I've used it A LOT.
> >
> > Have a listen to the Orion subreceiver getting it done on 20M in the 2007
> > CQ
> > WW cw contest:
> >
> > http://n1eu.com/n1mm/cwso2v.htm
> >
> > 73, Barry N1EU
> >
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6786. Orion 1 problem??

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-14 01:49:48 UTC
From: Jeff Walker
Topic: 6786 Message: 6786

I have a small issue with my Orion 1. On 12, 17 & 20 meters when you first turn the rig on the ssb audio is "garbled" for 3 to 4 minutes. After the short warm up time it's clear. It only does it when you first turn on and only for the short time. I've never thought much about it since it always clears up but thought I'd toss it to the group for any ideas.

Jeff
K4BP

[Non-text portions of this message have been removed]

6787. Re: [orion565] omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-14 03:08:36 UTC
From: Robert Mcgraw
Topic: 6766 Message: 6787

Based on size, performance and features, the Tentec Eagle will top all of them. The receiver is equal to the Orion and Orion II. The Eagle has better audio than the K-3. With the built-in tuner and hardware noise blanker it is less 1/2 the price of the Orion II. Likely one won't be able to tell the difference in receiver performance between the Orions and the K-3 and the Eagle.

I have both the Omni VII and the Eagle on the desk. The Eagle wins every time on receiver performance.

If you need lots of features and whistles and bells then expect to pay more $$$ for no more performance.

73
Bob, K4TAX

> get Orion I unless you are sold on the color screen
>
> I have the Orion II and can't see where there is a real need to have it
> unless you like the color display - seems to be more firmware updates
> for the Orion I than the II
>
> both radios are fine
>
> If I could I would also get a K3 for cw -- its a drop dead radio --
> and you dont have to ge the 2nd receiver
>
> THing I dont like about the Orions is the 2nd receiver suck
>
> just my opinion
>
> Michael W. Elliott
> "THE INSIDE ADVANTAGE"   -
> RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
> Servant to Bridgett, Collin and all my Creditors
> St. Louis County Missouri
>
> --- On Sun, 3/13/11, ron story <ronnieboy1947@...> wrote:
>
> From: ron story <ronnieboy1947@...>
> Subject: [orion565] omni 7 vs orion 2
> To: orion565@yahoogroups.com
> Date: Sunday, March 13, 2011, 9:17 AM
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>
> ive had the bad luck of a lighting strike, so now am faced with
> getting a new
>
> rig, my orion is toast, does anyone have any ideas on how different the
> orion 2
>
> and the omni are. i know of the phy diffs, wondering if the rcvr is close
> to
>
> equal, i dont use the second rcvr in the orion anyway, so that is no
> selling
>
> point for me. any input is welcome. ron ne0x
>
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6788. Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-14 03:37:55 UTC
From: Bruce
Topic: 6766 Message: 6788

Bob,
No question the Eagle is a fine radio, I just don't like small radio's.
Nope I like my Orion II!
Bruce

--- In orion565@yahoogroups.com, "Robert Mcgraw" <RMcGraw@...> wrote:
>
> Based on size, performance and features, the Tentec Eagle will top all of
> them. The receiver is equal to the Orion and Orion II. The Eagle has
> better audio than the K-3. With the built-in tuner and hardware noise
> blanker it is less 1/2 the price of the Orion II. Likely one won't be
> able to tell the difference in receiver performance between the Orions
> and the K-3 and the Eagle.
>
> I have both the Omni VII and the Eagle on the desk. The Eagle wins every
> time on receiver performance.
>
> If you need lots of features and whistles and bells then expect to pay
> more $$$ for no more performance.
>
> 73
> Bob, K4TAX
>
>
>
> > getÂ Orion IÂ unless you are sold on the color screen
> >
> > I have the Orion IIÂ and can't see where there is a real need to have it
> > unless you like the color displayÂ - seems to be more firmware updates
> > for the Orion I than the II
> >
> > both radios are fine
> >
> > If I could I would also get a K3 for cwÂ -- its a drop dead radioÂ --Â
> > and you dont have to ge the 2nd receiver
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> > THing I dont like about the Orions is the 2nd receiverÂ suck
> >
> > just my opinion
> >
> > Michael W. Elliott
> > "THE INSIDE ADVANTAGE" Â Â -
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> > Servant to Bridgett, Collin and all my Creditors
> > St. Louis County Missouri

> >
> > --- On Sun, 3/13/11, ron story <ronnieboy1947@...> wrote:
> >
> > From: ron story <ronnieboy1947@...>
> > Subject: [orion565] omni 7 vs orion 2
> > To: orion565@yahoogroups.com
> > Date: Sunday, March 13, 2011, 9:17 AM
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> > ive had the bad luck of a lighting strike, so now am faced with
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> > rig, my orion is toast, does anyone have any ideas on how different the
> > orion 2
> >
> > and the omni are. i know of the phy diffs, wondering if the rcvr is close
> > to
> >
> > equal, i dont use the second rcvr in the orion anyway, so that is no
> > selling
> >
> > point for me. any input is welcome. ron ne0x
> >
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> > [Non-text portions of this message have been removed]
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6789. Re: [orion565] Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-14 04:40:41 UTC
From: Timothy Randa
Topic: 6766 Message: 6789

I up graded from a Omni VI+ to the VII to the Orion II. The difference between the VII and the Orion I or II is night and day. Skip the VII

Tim KØFL

On Sun, Mar 13, 2011 at 5:31 PM, Larry Menzel <retire@...> wrote:

> Ok the second receiver ain't what it should be, but we knew that going in.
>
> But to say that the Orion II isn't great on CW is simply wrong, Michael,
> there is no better cw rig on the market. Period. The break-in is
> flawless,
> and drives a full break-in amplifier like no other radio I've used. I've
> used Kenwoods, Icoms, Yaesus over the years, and nothing comes close to the
> Orion II for a hard-core cw op.
>
> With the roofing filters in place, I cannot understand how you can feel
> differently, although, I'll be the first to admit that it's certainly a
> personal preference kinda thing.
>
> As far as split operation is concerned, I use it every day, and I'm at the
> top of the Honor Roll. I find it works just peachy for all uses, cw, ssb
> and RTTY. Proper utilization of the fabulous adjustable AGC responses
> makes
> that second receiver completely adequate for my uses. And I especially
> appreciate it on 160 during noisy conditions, split or not.
>
> YMMV
>
> Larry, W0PR
> Northfield, MN
>
>
>
> On Sun, Mar 13, 2011 at 2:49 PM, <catfishtwo@...> wrote:
>
> >
> >
> > I mostly use the second reciever as a transmitter only when working
> split,
> > I coppy the freq over (A>B) the spin up a couple of KC's and push the VFO
> > B button and am working split, I also use it for diversity reception, but
> > not often,
> >
> > Tom
> >

> > N6AJR
> >
> > In a message dated 3/13/2011 10:22:04 A.M. Pacific Daylight Time,
> > barry.n1eu@... writes:
> >
> > On Sun, Mar 13, 2011 at 4:40 PM, Michael W Elliott
> > <kq0b@...>wrote:
> >
> > > but remember
> > > the Orion 2nd receiver sucks and it is not good for split operation in
> > my
> > > opinion
> > >
> > > Although I often long for a better Orion subreceiver, I have to admit
> > that
> > I've used it A LOT.
> >
> > Have a listen to the Orion subreceiver getting it done on 20M in the 2007
> > CQ
> > WW cw contest:
> >
> > http://n1eu.com/n1mm/cwso2v.htm
> >
> > 73, Barry N1EU
> >
> > [Non-text portions of this message have been removed]
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> > Yahoo! Groups Links
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6790. Re: [orion565] Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-14 12:46:34 UTC
From: Bob McGraw - K4TAX
Topic: 6766 Message: 6790

I like big radios too. My big ones are my Hammarlund HQ-170 and a retired broadcast transmitter weighing in at some 1200 lbs. Nice 160M and 75M station.

Yes, the Orion II is a fine radio. Works well, lots of features although a bit pricey.

Many hams today do not have the space to dedicate to their radio hobby. The Eagle fits nicely and provides the performance as well and it is in the "under $2K" price range.

73
Bob, K4TAX

----- Original Message -----
From: Bruce
To: orion565@yahoogroups.com
Sent: Sunday, March 13, 2011 10:37 PM
Subject: [orion565] Re: omni 7 vs orion 2

Bob,
No question the Eagle is a fine radio, I just don't like small radio's.
Nope I like my Orion II!
Bruce

--- In orion565@yahoogroups.com, "Robert Mcgraw" <RMcGraw@...> wrote:
>
> Based on size, performance and features, the Tentec Eagle will top all of
> them. The receiver is equal to the Orion and Orion II. The Eagle has
> better audio than the K-3. With the built-in tuner and hardware noise
> blanker it is less 1/2 the price of the Orion II. Likely one won't be
> able to tell the difference in receiver performance between the Orions
> and the K-3 and the Eagle.
>
> I have both the Omni VII and the Eagle on the desk. The Eagle wins every
> time on receiver performance.
>
> If you need lots of features and whistles and bells then expect to pay
> more $$$ for no more performance.
>
> 73
> Bob, K4TAX
>
>
>
> > getÂ Orion IÂ unless you are sold on the color screen
> >
> > I have the Orion IIÂ and can't see where there is a real need to have it
> > unless you like the color displayÂ - seems to be more firmware updates

> > for the Orion I than the II
> >
> > both radios are fine
> >
> > If I could I would also get a K3 for cwÂ -- its a drop dead radioÂ --Â
> > and you dont have to ge the 2nd receiver
> >
> > THing I dont like about the Orions is the 2nd receiverÂ suck
> >
> > just my opinion
> >
> > Michael W. Elliott
> > "THE INSIDE ADVANTAGE" Â Â -
> > RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
> > Servant to Bridgett, Collin and all my Creditors
> > St. Louis County Missouri
> >
> > --- On Sun, 3/13/11, ron story <ronnieboy1947@...> wrote:
> >
> > From: ron story <ronnieboy1947@...>
> > Subject: [orion565] omni 7 vs orion 2
> > To: orion565@yahoogroups.com
> > Date: Sunday, March 13, 2011, 9:17 AM
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> > ive had the bad luck of a lighting strike, so now am faced with
> > getting a new
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> > rig, my orion is toast, does anyone have any ideas on how different the
> > orion 2
> >
> > and the omni are. i know of the phy diffs, wondering if the rcvr is close
> > to
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> > equal, i dont use the second rcvr in the orion anyway, so that is no

> > selling
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> > point for me. any input is welcome. ron ne0x
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6791. thanks and a tip of the old hat

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-14 14:37:23 UTC
From: ron story
Topic: 6791 Message: 6791

too all who responded, i cant say ive made up my mind, i did love my orion2 but im seriously looking at the eagle, i dont care about size, just performance. so will continue to think and read. also lost my emtron dx-2 too the strike, woe is me....ron ne0x

[Non-text portions of this message have been removed]

6792. Re: [orion565] Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-14 17:25:12 UTC
From: Larry Menzel
Topic: 6766 Message: 6792

Nah...I've tried the rest, and I'm satisfied.

Isn't personal choice a great thing! Love what you love.

I'll take Ten Tec.

Larry, W0PR

On Mon, Mar 14, 2011 at 7:46 AM, Bob McGraw - K4TAX <RMcGraw@...>wrote:

>
>
> I like big radios too. My big ones are my Hammarlund HQ-170 and a retired
> broadcast transmitter weighing in at some 1200 lbs. Nice 160M and 75M
> station.
>
> Yes, the Orion II is a fine radio. Works well, lots of features although a
> bit pricey.
>
> Many hams today do not have the space to dedicate to their radio hobby. The
> Eagle fits nicely and provides the performance as well and it is in the
> "under $2K" price range.
>
> 73
> Bob, K4TAX
>
>
> ----- Original Message -----
> From: Bruce
> To: orion565@yahoogroups.com
> Sent: Sunday, March 13, 2011 10:37 PM
> Subject: [orion565] Re: omni 7 vs orion 2
>
> Bob,
> No question the Eagle is a fine radio, I just don't like small radio's.
> Nope I like my Orion II!
> Bruce
>
> --- In orion565@yahoogroups.com, "Robert Mcgraw" <RMcGraw@...> wrote:
> >
> > Based on size, performance and features, the Tentec Eagle will top all of
> > them. The receiver is equal to the Orion and Orion II. The Eagle has
> > better audio than the K-3. With the built-in tuner and hardware noise
> > blanker it is less 1/2 the price of the Orion II. Likely one won't be
> > able to tell the difference in receiver performance between the Orions
> > and the K-3 and the Eagle.

> >
> > I have both the Omni VII and the Eagle on the desk. The Eagle wins every
> > time on receiver performance.
> >
> > If you need lots of features and whistles and bells then expect to pay
> > more $$$ for no more performance.
> >
> > 73
> > Bob, K4TAX
> >
> >
> >
> > > get? Orion I? unless you are sold on the color screen
> > >
> > > I have the Orion II? and can't see where there is a real need to have
> it
> > > unless you like the color display? - seems to be more firmware updates
> > > for the Orion I than the II
> > >
> > > both radios are fine
> > >
> > > If I could I would also get a K3 for cw? -- its a drop dead radio? --?
> > > and you dont have to ge the 2nd receiver
> > >
> > > THing I dont like about the Orions is the 2nd receiver? suck
> > >
> > > just my opinion
> > >
> > > Michael W. Elliott
> > > "THE INSIDE ADVANTAGE" ? ? -
> > > RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
> > > Servant to Bridgett, Collin and all my Creditors
> > > St. Louis County Missouri
> > >
> > > --- On Sun, 3/13/11, ron story <ronnieboy1947@...> wrote:
> > >
> > > From: ron story <ronnieboy1947@...>
> > > Subject: [orion565] omni 7 vs orion 2
> > > To: orion565@yahoogroups.com
> > > Date: Sunday, March 13, 2011, 9:17 AM
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> > > and the omni are. i know of the phy diffs, wondering if the rcvr is
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6793. Re: [orion565] Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-14 17:34:05 UTC
From: Michael W Elliott
Topic: 6766 Message: 6793

Orion group been dead lately

happy I cud wake up so many

don't agree with a lot of folks but thats ok as long as we can agree to disagree

Michael W. Elliott
"THE INSIDE ADVANTAGE"   -
RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri

--- On Mon, 3/14/11, Larry Menzel <retire@...> wrote:

From: Larry Menzel <retire@...>
Subject: Re: [orion565] Re: omni 7 vs orion 2
To: orion565@yahoogroups.com
Date: Monday, March 14, 2011, 12:25 PM

Nah...I've tried the rest, and I'm satisfied.

Isn't personal choice a great thing! Love what you love.

I'll take Ten Tec.

Larry, W0PR

On Mon, Mar 14, 2011 at 7:46 AM, Bob McGraw - K4TAX <RMcGraw@...>wrote:

>
>
> I like big radios too. My big ones are my Hammarlund HQ-170 and a retired
> broadcast transmitter weighing in at some 1200 lbs. Nice 160M and 75M
> station.
>
> Yes, the Orion II is a fine radio. Works well, lots of features although a
> bit pricey.
>
> Many hams today do not have the space to dedicate to their radio hobby. The
> Eagle fits nicely and provides the performance as well and it is in the
> "under $2K" price range.
>
> 73
> Bob, K4TAX
>
>
> ----- Original Message -----
> From: Bruce

> To: orion565@yahoogroups.com
> Sent: Sunday, March 13, 2011 10:37 PM
> Subject: [orion565] Re: omni 7 vs orion 2
>
> Bob,
> No question the Eagle is a fine radio, I just don't like small radio's.
> Nope I like my Orion II!
> Bruce
>
> --- In orion565@yahoogroups.com, "Robert Mcgraw" <RMcGraw@...> wrote:
> >
> > Based on size, performance and features, the Tentec Eagle will top all of
> > them. The receiver is equal to the Orion and Orion II. The Eagle has
> > better audio than the K-3. With the built-in tuner and hardware noise
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> > I have both the Omni VII and the Eagle on the desk. The Eagle wins every
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> > If you need lots of features and whistles and bells then expect to pay
> > more $$$ for no more performance.
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> > 73
> > Bob, K4TAX
> >
> >
> >
> > > getÂ Orion IÂ unless you are sold on the color screen
> > >
> > > I have the Orion IIÂ and can't see where there is a real need to have
> it
> > > unless you like the color displayÂ - seems to be more firmware updates
> > > for the Orion I than the II
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> > > both radios are fine
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> > > If I could I would also get a K3 for cwÂ -- its a drop dead radioÂ --Â
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> > > THing I dont like about the Orions is the 2nd receiverÂ suck
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> > > Michael W. Elliott
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> > > St. Louis County Missouri

> > >
> > > --- On Sun, 3/13/11, ron story <ronnieboy1947@...> wrote:
> > >
> > > From: ron story <ronnieboy1947@...>
> > > Subject: [orion565] omni 7 vs orion 2
> > > To: orion565@yahoogroups.com
> > > Date: Sunday, March 13, 2011, 9:17 AM
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Yahoo! Groups Links

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6794. Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-14 21:44:26 UTC
From: k1fpv
Topic: 6766 Message: 6794

Well, I have an Omni VII and an Orion II. The Orion wins every time. I just recently picked up a Kenwood TS-590s, and I'll be honest, I think it beats the c#@* out of the Omni VII but still has to go some to beat the Orion II. Sherwood Engineering still rates the Orion as one of the top receivers in the group.

Bill/K1FPV

--- In orion565@yahoogroups.com, Michael W Elliott <kq0b@...> wrote:
>
> Orion group been dead lately
>
> happy I cud wake up so many
>
> don't agree with a lot of folks but thats ok as long as we can agree to disagree
>
> Michael W. Elliott
> "THE INSIDE ADVANTAGE"   -
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> Servant to Bridgett, Collin and all my Creditors
> St. Louis County Missouri
>
> --- On Mon, 3/14/11, Larry Menzel <retire@...> wrote:
>
> From: Larry Menzel <retire@...>
> Subject: Re: [orion565] Re: omni 7 vs orion 2
> To: orion565@yahoogroups.com
> Date: Monday, March 14, 2011, 12:25 PM
>
> Nah...I've tried the rest, and I'm satisfied.
>
> Isn't personal choice a great thing! Love what you love.
>
> I'll take Ten Tec.
>
> Larry, W0PR
>
> On Mon, Mar 14, 2011 at 7:46 AM, Bob McGraw - K4TAX <RMcGraw@...>wrote:
>
> >
> >
> > I like big radios too. My big ones are my Hammarlund HQ-170 and a retired
> > broadcast transmitter weighing in at some 1200 lbs. Nice 160M and 75M
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> > Yes, the Orion II is a fine radio. Works well, lots of features although a

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> > Many hams today do not have the space to dedicate to their radio hobby. The
> > Eagle fits nicely and provides the performance as well and it is in the
> > "under $2K" price range.
> >
> > 73
> > Bob, K4TAX
> >
> >
> > ----- Original Message -----
> > From: Bruce
> > To: orion565@yahoogroups.com
> > Sent: Sunday, March 13, 2011 10:37 PM
> > Subject: [orion565] Re: omni 7 vs orion 2
> >
> > Bob,
> > No question the Eagle is a fine radio, I just don't like small radio's.
> > Nope I like my Orion II!
> > Bruce
> >
> > --- In orion565@yahoogroups.com, "Robert Mcgraw" <RMcGraw@> wrote:
> > >
> > > Based on size, performance and features, the Tentec Eagle will top all of
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> > > If you need lots of features and whistles and bells then expect to pay
> > > more $$$ for no more performance.
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> > > 73
> > > Bob, K4TAX
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> > >
> > > > getÂ Orion IÂ unless you are sold on the color screen
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> > > > I have the Orion IIÂ and can't see where there is a real need to have
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> > > > --- On Sun, 3/13/11, ron story <ronnieboy1947@> wrote:
> > > >
> > > > From: ron story <ronnieboy1947@>
> > > > Subject: [orion565] omni 7 vs orion 2
> > > > To: orion565@yahoogroups.com
> > > > Date: Sunday, March 13, 2011, 9:17 AM
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> > > > and the omni are. i know of the phy diffs, wondering if the rcvr is
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6795. Flex-5000 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-14 21:51:22 UTC
From: Hector Padron
Topic: 6766 Message: 6795

And now that the group has been comparing radios, does anyone has at home the O2 plus the Flex-5000 and could let us know how they compare each other? I personally been thinking about to purchase a Flex5000A but I will like to know if is better or equal than my O2?Thanks in advance for your possible answer.
AD4C

"If freedom means something,it is the right to tell others what they don't want to hear"
-George Orwell

--- On Mon, 3/14/11, k1fpv <k1fpv@...> wrote:

From: k1fpv <k1fpv@...>
Subject: [orion565] Re: omni 7 vs orion 2
To: orion565@yahoogroups.com
Date: Monday, March 14, 2011, 9:44 PM

Well, I have an Omni VII and an Orion II. The Orion wins every time. I just recently picked up a Kenwood TS-590s, and I'll be honest, I think it beats the c#@* out of the Omni VII but still has to go some to beat the Orion II. Sherwood Engineering still rates the Orion as one of the top receivers in the group.

Bill/K1FPV

--- In orion565@yahoogroups.com, Michael W Elliott <kq0b@...> wrote:

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> Orion group been dead lately

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> happy I cud wake up so many

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> don't agree with a lot of folks but thats ok as long as we can agree to disagree

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> Michael W. Elliott

> "THE INSIDE ADVANTAGE"   -

> RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS

> Servant to Bridgett, Collin and all my Creditors

> St. Louis County Missouri

>

> --- On Mon, 3/14/11, Larry Menzel <retire@...> wrote:

>

> From: Larry Menzel <retire@...>

> Subject: Re: [orion565] Re: omni 7 vs orion 2

> To: orion565@yahoogroups.com

> Date: Monday, March 14, 2011, 12:25 PM

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> Nah...I've tried the rest, and I'm satisfied.

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> Larry, W0PR

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> On Mon, Mar 14, 2011 at 7:46 AM, Bob McGraw - K4TAX <RMcGraw@...>wrote:

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> > ----- Original Message -----

> > From: Bruce

> > To: orion565@yahoogroups.com

> > Sent: Sunday, March 13, 2011 10:37 PM

> > Subject: [orion565] Re: omni 7 vs orion 2

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> > > > From: ron story <ronnieboy1947@>

> > > > Subject: [orion565] omni 7 vs orion 2

> > > > To: orion565@yahoogroups.com

> > > > Date: Sunday, March 13, 2011, 9:17 AM

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> Yahoo! Groups Links

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6796. Re: [orion565] Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-14 21:55:20 UTC
From: Michael W Elliott
Topic: 6766 Message: 6796

Yeah but reading all the reviews does not equal actual on-hands operation

besides

the ant is really 60% of working any station

Michael W. Elliott
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--- On Mon, 3/14/11, k1fpv <k1fpv@arrl.net> wrote:

From: k1fpv <k1fpv@...>
Subject: [orion565] Re: omni 7 vs orion 2
To: orion565@yahoogroups.com
Date: Monday, March 14, 2011, 4:44 PM

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Bill/K1FPV

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6797. Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-14 22:15:19 UTC
From: k1fpv
Topic: 6766 Message: 6797

In my case, I am speaking from actual hands on experience. In my shack, I have the following rigs: anm Orion II, Omni VII, Jupiter, 2 Argonaut V transceivers, and a Ten-Tec 526 6 & 2 meter transceiver, Kenwood TS-2000, Kenwood TS-590s, Yaesu FT-2000, and a K2. My statement stands!

Bill/K1FPV

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6798. Re: [orion565] Flex-5000 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-14 22:44:28 UTC
From: Larry Menzel
Topic: 6766 Message: 6798

Hi, Hector,

Yes, I have both in my shack and use them extensively. I'll give you my impressions of both radios:

Orion II. I have had this radio for several years, bought it new from TT. It has all the filters in it. I find it to be an exceptional performing radio for all modes. I am primarily a cw operator, and use it with my Alpha 91b amp. It works superbly full QSK with the Alpha. I used it with my previous amp, and Acom 2000A and it worked flawlessly with that amp as well. The keying loop arrangement with both amps is very good. I also use it for RTTY and enjoy it there, as well. I don't think I have to extol the virtues of the 566 here. It is a straightforward rig that you can learn to use quickly and then start to tweak as you get used to the AGC settings and the various voice shaping parameters. I love my Orion II, it's certainly one of the best "box" radios on the market.

Flex 5000A: I purchased this about two years ago, and I'm still in the process of learning how to use the radio. It has a very long learning curve, and each rev of software brings changes to the operation of this rig. You must accept this fact from get-go. You're going to be dinking with it all the time, either as an adjustment, or a software change or some feature that gets added. Because EVERYTHING on the Flex is adjustable or customizable for the user, it does take some time to get the hang of it. It's a very sophisticated piece of equipment.

Receiver(s): The standard 5000A comes with one receiver, a second identical receiver is available for about $650 (two VFOs, naturally) but having said that, each VFO is exactly the same. If you go split with it, you can have the same or different receive capabilities/filtering etc., with each. It's really very good. You can go to many resources on the net to get all the technical specs. I like this one www.sherweng.com Here, Rob Sherwood does an extensive receiver testing report for all the radios on the market. Orion and Flex are a hair's breadth apart. I think the Flex receiver is even better than the Orion II, but not by a lot. Anything I can hear on the Flex I can here with the Orion. The difference comes in the filtering capabilities of the Flex, which allows you to cut down a cw signal to 25hz with perfect clarity.So on noisy split operation it can be a real advantage. Splitting the receiver is a one-click action...you can vary the volume with a slider...works pretty slick. I have to say it, the receiver is spectacular in thick going, like a cw contest. My Orion II is very good here, too, but be absolutely truthful, the Flex handles strong adjacent signals better than the Orion II.

Operationally, it's really not difficult to get on the air and up and running. The latest Beta version of the software is Power SDR 2.0.20. This

rev has REALLY stepped the radio up in many ways, especially in respect to how it handles CW. Prior to 2.0.19 RC1 (RC for release candidate) the cw was only marginally acceptable. You could work semi-break in but that was about all. It worked OK, but not great. NOW however, it's become extremely good, and there's no latency issues that I can feel or tell. This is a huge improvement. You can work QSK at 40wpm and it works great. I love it. I have yet to hook it to my Alpha yet, but that's gonna happen soon.

As I mentioned, everything on the radio is adjustable, including all audio settings. There is a built in 3 or 10 band tx equalizer for voice tailoring, as well as a 3 or 10 band RX equalizer for receive audio. These are very cool. All filters are vastly adjustable and customizable for the operator. It's really your radio to set up exactly how you want.

On SSB, the Orion audio is tough to beat. Flex is good here, too. Both rigs allow for a wide latitude for transmitted audio. Each has excellent receive audio characteristics and I can't choose between them on SSB. I like them both.

Digital modes: This is a second level of expertise in managing both the radio and additional software. because there are no external boxes, like microHAM or anything else, Flex uses virtual audio cable technology. This is not difficult to set up and works quite well with something like MMTTY. Here there are extra utilities to bring into play and there is a fairly steep learning curve to get all things working together like N1MM or a logging program like DX4Win or HRD.

Noise reduction: Sorry TT, but Flex wins this one hands down. The noise reduction on the Flex is significantly better, without losing receive signal integrity. In my opinion, TT has not really done a good job with this. The multiple noise reduction tools of the Flex are much better. So if you live in a really noisy environment (I don't) then maybe you would really appreciate how well it works. Orion's is good but Flex is much better.

Another observation I would make is that one monitor is not enough for the Flex. If you're going to contest or even run your logging program this takes another level of trial and error to get running...I know because I'm doing it now. Plan on using two monitors right away. One for the radio, one for additional applications. There is a bit of frustration that can accompany the Flex when getting all the various applications running, just be aware of it.

I'd be happy to carry on with you privately, but I think that's enough for the reflector.

Larry, W0PR
Northfield, MN
w0pr at arrl dot net

On Mon, Mar 14, 2011 at 4:51 PM, Hector Padron <ad4c2008@...> wrote:

>
>
> And now that the group has been comparing radios, does anyone has at home
> the O2 plus the Flex-5000 and could let us know how they compare each other?
> I personally been thinking about to purchase a Flex5000A but I will like to
> know if is better or equal than my O2?Thanks in advance for your possible
> answer.
> AD4C
>
> "If freedom means something,it is the right to tell others what they don't
> want to hear" ?George Orwell
>
> --- On Mon, 3/14/11, k1fpv <k1fpv@...> wrote:
>
> From: k1fpv <k1fpv@...>
> Subject: [orion565] Re: omni 7 vs orion 2
> To: orion565@yahoogroups.com
> Date: Monday, March 14, 2011, 9:44 PM
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>
> Well, I have an Omni VII and an Orion II. The Orion wins every time. I just
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> Sherwood Engineering still rates the Orion as one of the top receivers in
> the group.
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> Bill/K1FPV
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> --- In orion565@yahoogroups.com, Michael W Elliott <kq0b@...> wrote:
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> > Orion group been dead lately
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> > happy I cud wake up so many
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> > Michael W. Elliott
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> > "THE INSIDE ADVANTAGE" -
>
> > RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS

>
> > Servant to Bridgett, Collin and all my Creditors
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> > St. Louis County Missouri
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> > --- On Mon, 3/14/11, Larry Menzel <retire@...> wrote:
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> > From: Larry Menzel <retire@...>
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> > Subject: Re: [orion565] Re: omni 7 vs orion 2
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> > To: orion565@yahoogroups.com
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> > Date: Monday, March 14, 2011, 12:25 PM
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> > Nah...I've tried the rest, and I'm satisfied.
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> > > station.
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> > > Eagle fits nicely and provides the performance as well and it is in the
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> > > Bob, K4TAX
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> > > ----- Original Message -----
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> > > From: Bruce
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> > > To: orion565@...m
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> > > Sent: Sunday, March 13, 2011 10:37 PM
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> > > Subject: [orion565] Re: omni 7 vs orion 2
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> > > Bob,
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> > > No question the Eagle is a fine radio, I just don't like small radio's.
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> > > Nope I like my Orion II!
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> > > Bruce
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> > > --- In orion565@yahoogroups.com, "Robert Mcgraw" <RMcGraw@> wrote:
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> > > > Bob, K4TAX
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> > > > > get? Orion I? unless you are sold on the color screen
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> > > > > I have the Orion II? and can't see where there is a real need to
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> > > > > Michael W. Elliott
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> > > > > Servant to Bridgett, Collin and all my Creditors
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> > > > > St. Louis County Missouri
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> > > > > --- On Sun, 3/13/11, ron story <ronnieboy1947@> wrote:
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> > > > > From: ron story <ronnieboy1947@>
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> > > > > Subject: [orion565] omni 7 vs orion 2
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> > > > > To: orion565@yahoogroups.com

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> > > > > Date: Sunday, March 13, 2011, 9:17 AM
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> > > > > and the omni are. i know of the phy diffs, wondering if the rcvr is
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> > > close
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> > > > > equal, i dont use the second rcvr in the orion anyway, so that is
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> > > > > selling
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> > > > > point for me. any input is welcome. ron ne0x
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6800. Re: [orion565] Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-14 22:55:23 UTC
From: Michael W Elliott
Topic: 6766 Message: 6800

ahh good man you can compare

congrats on fine shack

Michael W. Elliott
"THE INSIDE ADVANTAGE" -
RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri

--- On Mon, 3/14/11, k1fpv <k1fpv@...> wrote:

From: k1fpv <k1fpv@...>
Subject: [orion565] Re: omni 7 vs orion 2
To: orion565@yahoogroups.com
Date: Monday, March 14, 2011, 5:15 PM

In my case, I am speaking from actual hands on experience. In my shack, I have the following rigs: anm Orion II, Omni VII, Jupiter, 2 Argonaut V transceivers, and a Ten-Tec 526 6 & 2 meter transceiver, Kenwood TS-2000, Kenwood TS-590s, Yaesu FT-2000, and a K2. My statement stands!

Bill/K1FPV

--- In orion565@yahoogroups.com, Michael W Elliott <kq0b@...> wrote:

>

> Yeah but reading all the reviews does not equal actual on-hands operation

>

> besides

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> the ant isÂ reallyÂ 60% of working any station

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>

> Michael W. Elliott

> "THE INSIDE ADVANTAGE" Â Â -

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> --- On Mon, 3/14/11, k1fpv <k1fpv@...> wrote:

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> From: k1fpv <k1fpv@...>

> Subject: [orion565] Re: omni 7 vs orion 2

> To: orion565@yahoogroups.com

> Date: Monday, March 14, 2011, 4:44 PM

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> > > ----- Original Message -----

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> > > From: Bruce

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> > > To: orion565@yahoogroups.com

>

> > > Sent: Sunday, March 13, 2011 10:37 PM

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> > > Subject: [orion565] Re: omni 7 vs orion 2

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> > > > > --- On Sun, 3/13/11, ron story <ronnieboy1947@> wrote:

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> > > > > From: ron story <ronnieboy1947@>

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> > > > > Subject: [orion565] omni 7 vs orion 2

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> > > > > To: orion565@yahoogroups.com

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> > > > > Date: Sunday, March 13, 2011, 9:17 AM

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6802. Re: [orion565] Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-15 00:51:32 UTC
From: Bob McGraw - K4TAX
Topic: 6766 Message: 6802

Reading the most recent Sherwood Engineering Receiver test data report, for Narrow Spaced Dynamic Range, the Eagle is the next in line just below the Orion.

Basically any receiver with a dynamic range of 90 dB or better is likely not to be noticed as any better than one having a better or higher dynamic range. The Eagle comes in at 90 dB while the Orion is at 93 dB with the Orion II at 95 dB. The K-3 is at 95 dB, 96 dB or 101 dB depending on configuration of filters.

Again from my viewpoint, there's a lot more to receiver performance than the one factor sited in the Sherwood report. It takes a lot of research to find one satisfactory to each persons unique needs and operating condition and preferences.

Yes, I agree the Eagle or the original Orion or the Orion II has a superior receiver as compared to the Omni VII.

73
Bob K4TAX

----- Original Message -----
From: k1fpv
To: orion565@yahoogroups.com
Sent: Monday, March 14, 2011 4:44 PM
Subject: [orion565] Re: omni 7 vs orion 2

Well, I have an Omni VII and an Orion II. The Orion wins every time. I just recently picked up a Kenwood TS-590s, and I'll be honest, I think it beats the c#@* out of the Omni VII but still has to go some to beat the Orion II. Sherwood Engineering still rates the Orion as one of the top receivers in the group.

Bill/K1FPV

--- In orion565@yahoogroups.com, Michael W Elliott <kq0b@...> wrote:
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> --- On Mon, 3/14/11, Larry Menzel <retire@...> wrote:
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> Subject: Re: [orion565] Re: omni 7 vs orion 2
> To: orion565@yahoogroups.com
> Date: Monday, March 14, 2011, 12:25 PM
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> > > To: orion565@yahoogroups.com
> > > Sent: Sunday, March 13, 2011 10:37 PM
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> > > > --- On Sun, 3/13/11, ron story <ronnieboy1947@> wrote:
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> > > > From: ron story <ronnieboy1947@>
> > > > Subject: [orion565] omni 7 vs orion 2
> > > > To: orion565@yahoogroups.com
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6803. Re: [orion565] Re: omni 7 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-15 01:04:34 UTC
From: Bob McGraw - K4TAX
Topic: 6766 Message: 6803

This is where I believe that Tentec has a winner in its Marketing and Sales programs. They offer a 30 day trial period. This allows a person to use the radio, at their QTH, on their antennas for 30 days. If one doesn't like it, send it back and pay the shipping charges. I'm not aware of any other company that provides this feature or convenience.

I agree, hands on, on my antennas is the way to go.

73
Bob, K4TAX

----- Original Message -----
From: Michael W Elliott
To: orion565@yahoogroups.com
Sent: Monday, March 14, 2011 4:55 PM
Subject: Re: [orion565] Re: omni 7 vs orion 2

Yeah but reading all the reviews does not equal actual on-hands operation

besides

the ant is really 60% of working any station

Michael W. Elliott
"THE INSIDE ADVANTAGE" -
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Servant to Bridgett, Collin and all my Creditors
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To: orion565@yahoogroups.com
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Bill/K1FPV

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6804. Re: [orion565] Flex-5000 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-15 03:49:39 UTC
From: Larry
Topic: 6766 Message: 6804

Hi Hector ... I also have an Orion II and a Flex 5000A sitting side by side. I agree with Larry that the basic capabilities are somewhat equal. The difference is in things like the pan display of the Flex. It's very valuable and the Orion just doesn't have that feature, however it doesn't take a computer geek to run an Orion! If you buy a Flex, be sure that you have a good fast computer to run it. It runs on a Dual Core (Intel) but really needs a Quad core processor to make it shine. Since your computer is half of the radio, skimping on the computer can make the 5000A a bad choice. The Orion doesn't require a computer or a geek. Good luck with your choice. Larry W8ER

Hector Padron wrote:
>
>
> And now that the group has been comparing radios, does anyone has at
> home the O2 plus the Flex-5000 and could let us know how they compare
> each other? I personally been thinking about to purchase a Flex5000A
> but I will like to know if is better or equal than my O2?Thanks in
> advance for your possible answer.
> AD4C
>
> "If freedom means something,it is the right to tell others what they
> don't want to hear" –George Orwell
>
> --- On Mon, 3/14/11, k1fpv <k1fpv@... <mailto:k1fpv%40arrl.net>>
> wrote:
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> From: k1fpv <k1fpv@... <mailto:k1fpv%40arrl.net>>
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6805. Re: [orion565] Flex-5000 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-15 23:54:41 UTC
From: Barry N1EU
Topic: 6766 Message: 6805

This is the coolest SDR implementation I've seen yet, using a Flex 5000 with Touch Screen monitor and aux tuning knob. Select 480P resolution and watch it in Full Screen viewing mode:

http://www.youtube.com/watch?v=ZvZLaIZi6xQ

BTW, the Orion can do beautiful pan displays just like this using LP-PAN along with the VE7TK if output mod (but you need a fast pc). That would be my choice. I'm waiting on these SDR's to at least implement direct sampling receive.

73, Barry N1EU

On Tue, Mar 15, 2011 at 3:49 AM, Larry <robison@...> wrote:

>
>
> Hi Hector ... I also have an Orion II and a Flex 5000A sitting side by
> side. I agree with Larry that the basic capabilities are somewhat equal.
> The difference is in things like the pan display of the Flex. It's very
> valuable and the Orion just doesn't have that feature, however it
> doesn't take a computer geek to run an Orion! If you buy a Flex, be sure
> that you have a good fast computer to run it. It runs on a Dual Core
> (Intel) but really needs a Quad core processor to make it shine. Since
> your computer is half of the radio, skimping on the computer can make
> the 5000A a bad choice. The Orion doesn't require a computer or a geek.
> Good luck with your choice. Larry W8ER
>
>

[Non-text portions of this message have been removed]

6806. Re: [orion565] Flex-5000 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-16 02:32:21 UTC
From: Hector Padron
Topic: 6766 Message: 6806

Dear Larry,thanks a lot for your very detailed explanation,it buy me completely.Now I know exactly how the Flex will work compared to my O2,I will definively buy one soon,maybe I will get in touch with you to set it up.We'll keep in touch,I will save this email,73

AD4C

"If freedom means something,it is the right to tell others what they don't want to hear"
-George Orwell

--- On Mon, 3/14/11, Larry Menzel <retire@...> wrote:

From: Larry Menzel <retire@...>
Subject: Re: [orion565] Flex-5000 vs orion 2
To: orion565@yahoogroups.com
Date: Monday, March 14, 2011, 10:44 PM

Hi, Hector,

Yes, I have both in my shack and use them extensively. I'll give you my impressions of both radios:

Orion II. I have had this radio for several years, bought it new from TT. It has all the filters in it. I find it to be an exceptional performing radio for all modes. I am primarily a cw operator, and use it with my Alpha 91b amp. It works superbly full QSK with the Alpha. I used it with my previous amp, and Acom 2000A and it worked flawlessly with that amp as well. The keying loop arrangement with both amps is very good. I also use it for RTTY and enjoy it there, as well. I don't think I have to extol the virtues of the 566 here. It is a straightforward rig that you can learn to use quickly and then start to tweak as you get used to the AGC settings and the various voice shaping parameters. I love my Orion II, it's certainly one of the best "box" radios on the market.

Flex 5000A: I purchased this about two years ago, and I'm still in the process of learning how to use the radio. It has a very long learning curve, and each rev of software brings changes to the operation of this rig. You must accept this fact from get-go. You're going to be dinking with it all the time, either as an adjustment, or a software change or some feature that gets added. Because EVERYTHING on the Flex is adjustable or customizable for the user, it does take some time to get the hang of it. It's a very sophisticated piece of equipment.

Receiver(s): The standard 5000A comes with one receiver, a second identical receiver is available for about $650 (two VFOs, naturally) but having said that, each VFO is exactly the same. If you go split with it, you can have the same or different receive capabilities/filtering etc., with each. It's really very good. You can go to many resources on the net to get all the

technical specs. I like this one www.sherweng.com Here, Rob Sherwood does an extensive receiver testing report for all the radios on the market. Orion and Flex are a hair's breadth apart. I think the Flex receiver is even better than the Orion II, but not by a lot. Anything I can hear on the Flex I can here with the Orion. The difference comes in the filtering capabilities of the Flex, which allows you to cut down a cw signal to 25hz with perfect clarity.So on noisy split operation it can be a real advantage. Splitting the receiver is a one-click action...you can vary the volume with a slider...works pretty slick. I have to say it, the receiver is spectacular in thick going, like a cw contest. My Orion II is very good here, too, but be absolutely truthful, the Flex handles strong adjacent signals better than the Orion II.

Operationally, it's really not difficult to get on the air and up and running. The latest Beta version of the software is Power SDR 2.0.20. This rev has REALLY stepped the radio up in many ways, especially in respect to how it handles CW. Prior to 2.0.19 RC1 (RC for release candidate) the cw was only marginally acceptable. You could work semi-break in but that was about all. It worked OK, but not great. NOW however, it's become extremely good, and there's no latency issues that I can feel or tell. This is a huge improvement. You can work QSK at 40wpm and it works great. I love it. I have yet to hook it to my Alpha yet, but that's gonna happen soon.

As I mentioned, everything on the radio is adjustable, including all audio settings. There is a built in 3 or 10 band tx equalizer for voice tailoring, as well as a 3 or 10 band RX equalizer for receive audio. These are very cool. All filters are vastly adjustable and customizable for the operator. It's really your radio to set up exactly how you want.

On SSB, the Orion audio is tough to beat. Flex is good here, too. Both rigs allow for a wide latitude for transmitted audio. Each has excellent receive audio characteristics and I can't choose between them on SSB. I like them both.

Digital modes: This is a second level of expertise in managing both the radio and additional software. because there are no external boxes, like microHAM or anything else, Flex uses virtual audio cable technology. This is not difficult to set up and works quite well with something like MMTTY. Here there are extra utilities to bring into play and there is a fairly steep learning curve to get all things working together like N1MM or a logging program like DX4Win or HRD.

Noise reduction: Sorry TT, but Flex wins this one hands down. The noise reduction on the Flex is significantly better, without losing receive signal integrity. In my opinion, TT has not really done a good job with this. The multiple noise reduction tools of the Flex are much better. So if you live in a really noisy environment (I don't) then maybe you would really appreciate how well it works. Orion's is good but Flex is much better.

Another observation I would make is that one monitor is not enough for the Flex. If you're going to contest or even run your logging program this takes another level of trial and error to get running...I know because I'm

doing it now. Plan on using two monitors right away. One for the radio, one for additional applications. There is a bit of frustration that can accompany the Flex when getting all the various applications running, just be aware of it.

I'd be happy to carry on with you privately, but I think that's enough for the reflector.

Larry, W0PR
Northfield, MN
w0pr at arrl dot net

On Mon, Mar 14, 2011 at 4:51 PM, Hector Padron <ad4c2008@...> wrote:

>
>
> And now that the group has been comparing radios, does anyone has at home
> the O2 plus the Flex-5000 and could let us know how they compare each other?
> I personally been thinking about to purchase a Flex5000A but I will like to
> know if is better or equal than my O2?Thanks in advance for your possible
> answer.
> AD4C
>
> "If freedom means something,it is the right to tell others what they don't
> want to hear" –George Orwell
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> --- On Mon, 3/14/11, k1fpv <k1fpv@...> wrote:
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> From: k1fpv <k1fpv@...>
> Subject: [orion565] Re: omni 7 vs orion 2
> To: orion565@yahoogroups.com
> Date: Monday, March 14, 2011, 9:44 PM
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> Sherwood Engineering still rates the Orion as one of the top receivers in
> the group.
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> Bill/K1FPV
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> --- In orion565@yahoogroups.com, Michael W Elliott <kq0b@...> wrote:
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> > Orion group been dead lately
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> > happy I cud wake up so many
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> > Date: Monday, March 14, 2011, 12:25 PM
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> > Nah...I've tried the rest, and I'm satisfied.
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> > Isn't personal choice a great thing! Love what you love.
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> > I'll take Ten Tec.
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> > Larry, W0PR
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> > On Mon, Mar 14, 2011 at 7:46 AM, Bob McGraw - K4TAX <RMcGraw@...>wrote:
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> > > ----- Original Message -----
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> > > From: Bruce
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> > > To: orion565@yahoogroups.com
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> > > Sent: Sunday, March 13, 2011 10:37 PM
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> > > Subject: [orion565] Re: omni 7 vs orion 2
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> > > Bob,
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> > > No question the Eagle is a fine radio, I just don't like small radio's.
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> > > Nope I like my Orion II!
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> > > Bruce
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> > > --- In orion565@yahoogroups.com, "Robert Mcgraw" <RMcGraw@> wrote:
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> > > > more $$$ for no more performance.
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> > > > > > THing I dont like about the Orions is the 2nd receiverÂ suck
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> > > > > From: ron story <ronnieboy1947@>
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> > > > > Subject: [orion565] omni 7 vs orion 2
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> > > > > To: orion565@yahoogroups.com
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> > > > > and the omni are. i know of the phy diffs, wondering if the rcvr is
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> > > > > equal, i dont use the second rcvr in the orion anyway, so that is
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> > > > > point for me. any input is welcome. ron ne0x
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Yahoo! Groups Links

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6807. Re: [orion565] Flex-5000 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-16 02:36:35 UTC
From: Hector Padron
Topic: 6766 Message: 6807

yes Larry,I do understand that and precisely what I will do is take my home PC wich is a dual core at 2.5Ghz with 4MB RAM to a friend of mine qth to hook it up to his Flex5000 to see if it runs well,then if it does,I am ready to purchase the Flex5000 for me as well.I talked to Matt at Flex company and acording the info about my PC that I provided him,he said its going to be ok,we'll see,thanks for the good advice.

AD4C

"If freedom means something,it is the right to tell others what they don't want to hear" -George Orwell

--- On Tue, 3/15/11, Larry <robison@...> wrote:

From: Larry <robison@...>
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To: orion565@yahoogroups.com
Date: Tuesday, March 15, 2011, 3:49 AM

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> > > > > > point for me. any input is welcome. ron ne0x
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6808. Re: Flex-5000 vs orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-16 21:01:58 UTC
From: k1fpv
Topic: 6766 Message: 6808

Really nice job Larry. It looks like you have done a superb comparison of the two radios side by side. If I ever went for a Flex 5000A or perhaps even another model yet to be released, I'd buy a new computer with plenty of "horsepower" to run it.

Thanks for the input!

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
>
> Hi, Hector,
>
> Yes, I have both in my shack and use them extensively. I'll give you my
> impressions of both radios:
>
> Orion II. I have had this radio for several years, bought it new from TT.
> It has all the filters in it. I find it to be an exceptional performing
> radio for all modes. I am primarily a cw operator, and use it with my Alpha
> 91b amp. It works superbly full QSK with the Alpha. I used it with my
> previous amp, and Acom 2000A and it worked flawlessly with that amp as
> well. The keying loop arrangement with both amps is very good. I also use
> it for RTTY and enjoy it there, as well. I don't think I have to extol the
> virtues of the 566 here. It is a straightforward rig that you can learn to
> use quickly and then start to tweak as you get used to the AGC settings and
> the various voice shaping parameters. I love my Orion II, it's certainly
> one of the best "box" radios on the market.
>
> Flex 5000A: I purchased this about two years ago, and I'm still in the
> process of learning how to use the radio. It has a very long learning
> curve, and each rev of software brings changes to the operation of this
> rig. You must accept this fact from get-go. You're going to be dinking
> with it all the time, either as an adjustment, or a software change or some
> feature that gets added. Because EVERYTHING on the Flex is adjustable or
> customizable for the user, it does take some time to get the hang of it.
> It's a very sophisticated piece of equipment.
>
> Receiver(s): The standard 5000A comes with one receiver, a second identical
> receiver is available for about $650 (two VFOs, naturally) but having said
> that, each VFO is exactly the same. If you go split with it, you can have
> the same or different receive capabilities/filtering etc., with each. It's
> really very good. You can go to many resources on the net to get all the
> technical specs. I like this one www.sherweng.com Here, Rob Sherwood does
> an extensive receiver testing report for all the radios on the market.
> Orion and Flex are a hair's breadth apart. I think the Flex receiver is

> even better than the Orion II, but not by a lot. Anything I can hear on the
> Flex I can here with the Orion. The difference comes in the filtering
> capabilities of the Flex, which allows you to cut down a cw signal to 25hz
> with perfect clarity.So on noisy split operation it can be a real
> advantage. Splitting the receiver is a one-click action...you can vary the
> volume with a slider...works pretty slick. I have to say it, the receiver is
> spectacular in thick going, like a cw contest. My Orion II is very good
> here, too, but be absolutely truthful, the Flex handles strong adjacent
> signals better than the Orion II.
>
> Operationally, it's really not difficult to get on the air and up and
> running. The latest Beta version of the software is Power SDR 2.0.20. This
> rev has REALLY stepped the radio up in many ways, especially in respect to
> how it handles CW. Prior to 2.0.19 RC1 (RC for release candidate) the cw
> was only marginally acceptable. You could work semi-break in but that was
> about all. It worked OK, but not great. NOW however, it's become extremely
> good, and there's no latency issues that I can feel or tell. This is a huge
> improvement. You can work QSK at 40wpm and it works great. I love it. I
> have yet to hook it to my Alpha yet, but that's gonna happen soon.
>
> As I mentioned, everything on the radio is adjustable, including all audio
> settings. There is a built in 3 or 10 band tx equalizer for voice
> tailoring, as well as a 3 or 10 band RX equalizer for receive audio. These
> are very cool. All filters are vastly adjustable and customizable for the
> operator. It's really your radio to set up exactly how you want.
>
> On SSB, the Orion audio is tough to beat. Flex is good here, too. Both
> rigs allow for a wide latitude for transmitted audio. Each has excellent
> receive audio characteristics and I can't choose between them on SSB. I
> like them both.
>
> Digital modes: This is a second level of expertise in managing both the
> radio and additional software. because there are no external boxes, like
> microHAM or anything else, Flex uses virtual audio cable technology. This
> is not difficult to set up and works quite well with something like MMTTY.
> Here there are extra utilities to bring into play and there is a fairly
> steep learning curve to get all things working together like N1MM or a
> logging program like DX4Win or HRD.
>
> Noise reduction: Sorry TT, but Flex wins this one hands down. The noise
> reduction on the Flex is significantly better, without losing receive signal
> integrity. In my opinion, TT has not really done a good job with this. The
> multiple noise reduction tools of the Flex are much better. So if you live
> in a really noisy environment (I don't) then maybe you would really
> appreciate how well it works. Orion's is good but Flex is much better.
>
> Another observation I would make is that one monitor is not enough for the
> Flex. If you're going to contest or even run your logging program this
> takes another level of trial and error to get running...I know because I'm

> doing it now. Plan on using two monitors right away. One for the radio, one
> for additional applications. There is a bit of frustration that can
> accompany the Flex when getting all the various applications running, just
> be aware of it.
>
> I'd be happy to carry on with you privately, but I think that's enough for
> the reflector.
>
> Larry, W0PR
> Northfield, MN
> w0pr at arrl dot net
>
> On Mon, Mar 14, 2011 at 4:51 PM, Hector Padron <ad4c2008@...> wrote:
>
> > >
> > >
> > > And now that the group has been comparing radios, does anyone has at home
> > > the O2 plus the Flex-5000 and could let us know how they compare each other?
> > > I personally been thinking about to purchase a Flex5000A but I will like to
> > > know if is better or equal than my O2?Thanks in advance for your possible
> > > answer.
> > > AD4C
> > >
> > > "If freedom means something,it is the right to tell others what they don't
> > > want to hear" ☐George Orwell
> > >
> > > --- On Mon, 3/14/11, k1fpv <k1fpv@...> wrote:
> > >
> > > From: k1fpv <k1fpv@...>
> > > Subject: [orion565] Re: omni 7 vs orion 2
> > > To: orion565@yahoogroups.com
> > > Date: Monday, March 14, 2011, 9:44 PM
> > >
> > >
> > >
> > > Well, I have an Omni VII and an Orion II. The Orion wins every time. I just
> > > recently picked up a Kenwood TS-590s, and I'll be honest, I think it beats
> > > the c#@* out of the Omni VII but still has to go some to beat the Orion II.
> > > Sherwood Engineering still rates the Orion as one of the top receivers in
> > > the group.
> > >
> > > Bill/K1FPV
> > >
> > > --- In orion565@yahoogroups.com, Michael W Elliott <kq0b@> wrote:
> > >
> > > > >
> > > >
> > > > > Orion group been dead lately
> > > >
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> > >
> >
> > > happy I cud wake up so many
> >
> > >
> >
> > > don't agree with a lot of folks but thats ok as long as we can agree to
> > disagree
> >
> > >
> >
> > > Michael W. Elliott
> >
> > > "THE INSIDE ADVANTAGE" -
> >
> > > RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
> >
> > > Servant to Bridgett, Collin and all my Creditors
> >
> > > St. Louis County Missouri
> >
> > >
> >
> > > --- On Mon, 3/14/11, Larry Menzel <retire@> wrote:
> >
> > >
> >
> > > From: Larry Menzel <retire@>
> >
> > > Subject: Re: [orion565] Re: omni 7 vs orion 2
> >
> > > To: orion565@yahoogroups.com
> >
> > > Date: Monday, March 14, 2011, 12:25 PM
> >
> > >
> >
> > > Nah...I've tried the rest, and I'm satisfied.
> >
> > >
> >
> > > Isn't personal choice a great thing! Love what you love.
> >
> > >
> >
> > > I'll take Ten Tec.
> >
> > >
> >

> > > Larry, W0PR
> >
> > >
> >
> > > On Mon, Mar 14, 2011 at 7:46 AM, Bob McGraw - K4TAX <RMcGraw@>wrote:
> >
> > >
> >
> > > > I like big radios too. My big ones are my Hammarlund HQ-170 and a
> > retired
> >
> > > > broadcast transmitter weighing in at some 1200 lbs. Nice 160M and 75M
> >
> > > > station.
> >
> > > > Yes, the Orion II is a fine radio. Works well, lots of features
> > although a
> >
> > > > bit pricey.
> >
> > > > Many hams today do not have the space to dedicate to their radio hobby.
> > The
> >
> > > > Eagle fits nicely and provides the performance as well and it is in the
> >
> > > > "under $2K" price range.
> >
> > > > 73
> >
> > > > Bob, K4TAX
> >
> > > > ----- Original Message -----
> >
> > > > From: Bruce
> >

> > > > To: orion565@yahoogroups.com
> >
> > > > Sent: Sunday, March 13, 2011 10:37 PM
> >
> > > > Subject: [orion565] Re: omni 7 vs orion 2
> >
> > > > >
> >
> > > > Bob,
> >
> > > > No question the Eagle is a fine radio, I just don't like small radio's.
> >
> > > > Nope I like my Orion II!
> >
> > > > Bruce
> >
> > > > >
> >
> > > > --- In orion565@yahoogroups.com, "Robert Mcgraw" <RMcGraw@> wrote:
> >
> > > > > >
> >
> > > > > Based on size, performance and features, the Tentec Eagle will top
> > all of
> >
> > > > > them. The receiver is equal to the Orion and Orion II. The Eagle has
> >
> > > > > better audio than the K-3. With the built-in tuner and hardware noise
> >
> > > > > blanker it is less 1/2 the price of the Orion II. Likely one won't be
> >
> > > > > able to tell the difference in receiver performance between the
> > Orions
> >
> > > > > and the K-3 and the Eagle.
> >
> > > > > >
> >
> > > > > I have both the Omni VII and the Eagle on the desk. The Eagle wins
> > every
> >
> > > > > time on receiver performance.
> >
> > > > > >
> >
> > > > > If you need lots of features and whistles and bells then expect to
> > pay
> >
> > > > > more $$$ for no more performance.

> >
> > > > >
> >
> > > > > 73
> >
> > > > > Bob, K4TAX
> >
> > > > >
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> >
> > > > > > getÂ Orion IÂ unless you are sold on the color screen
> >
> > > > > > >
> >
> > > > > > I have the Orion IIÂ and can't see where there is a real need to
> > have
> >
> > > > > it
> >
> > > > > > unless you like the color displayÂ - seems to be more firmware
> > updates
> >
> > > > > > for the Orion I than the II
> >
> > > > > > >
> >
> > > > > > both radios are fine
> >
> > > > > > >
> >
> > > > > > If I could I would also get a K3 for cwÂ -- its a drop dead radioÂ
> > --Â
> >
> > > > > > and you dont have to ge the 2nd receiver
> >
> > > > > > >
> >
> > > > > > THing I dont like about the Orions is the 2nd receiverÂ suck
> >
> > > > > > >
> >
> > > > > > just my opinion
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> > > > > > >
> >
> > > > > > Michael W. Elliott

> >
> > > > > > "THE INSIDE ADVANTAGE" Â Â -
> >
> > > > > > RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
> >
> > > > > > Servant to Bridgett, Collin and all my Creditors
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> > > > > > St. Louis County Missouri
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> > > > > > --- On Sun, 3/13/11, ron story <ronnieboy1947@> wrote:
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> > > > > > From: ron story <ronnieboy1947@>
> >
> > > > > > Subject: [orion565] omni 7 vs orion 2
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> > > > > > To: orion565@yahoogroups.com
> >
> > > > > > Date: Sunday, March 13, 2011, 9:17 AM
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> > > > > > ive had the bad luck of a lighting strike, so now am faced with
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> > > > > > getting a new
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> > > > > > rig, my orion is toast, does anyone have any ideas on how different
> > the
> >
> > > > > > orion 2
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> >
> > > > > > and the omni are. i know of the phy diffs, wondering if the rcvr is
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> > > > close
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> > > > > > to
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> > > > > > equal, i dont use the second rcvr in the orion anyway, so that is
> > no
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> > > > > > selling
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> > > > > > point for me. any input is welcome. ron ne0x
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6809. Re: Connecting Orion to HRD

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-22 02:19:06 UTC
From: NewellC
Topic: 6744 Message: 6809

Well, I got the new card with two RS232 ports in my computer and all is well in hamdom. I think I am through fighting the adapters. They just don't seem to be reliable and repeatable. Thanks to all who replied.

I've had my Orion now for two weeks and am having the love affair of my ham life. This radio is so far above anything I've had in the shack before. I have barely begun to adjust anything beyond factory presets and am very impressed with the receiver capabilities. The internal tuner is awsome and is tuning an antenna on 80M that my 746PRO couldn't. I am hearing stations I couldn't before and am getting some awsome reports. I'm sure I am preaching to the choir here, but this is a keeper.

I was in the process of looking for an Omni VII but there had been none being listed for a few weeks when this Orion came up. Since buying it there have been three or four Omnis come up for sale. I'm thinking I was meant to have an Orion. I can live with that.

73s

Newell
WX7K

--- In orion565@yahoogroups.com, "NewellC" <ncrary@...> wrote:
>
> Here is the problem: I have used several serial to USB cables and many drivers but HRD will not connect with the radio unless I use COM1 with a straight through RS232 cable. With the serial to USB cable HRD gives a message to make sure the radio is turned on and not in memory mode. Once connected, when I connect to my computer using the 8 pin DIN to USB I get a sound card not able to communicate message. Also, in this configuration I key the radio every time something in my computer uses the sound card.
>
> What am I missing here?
>
> Thanks
>
> Newell
>

6810. New owner of an Orion II - RX AGC issues

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-22 02:49:20 UTC
From: Dave
Topic: 6744 Message: 6810

Hi All,

Got an Orion II today (used). It was already updated to the latest firmware. I find the AGC has a lot of pumping on strong signals on 75 meters.

Also seems the S meter is out of calibration. It reads a lot higher than my 7700 side by side and signals that are over 20 over S9 seem to easily jump to 50+ over S9.

Lots of static crashes tonight and running AGC on slow with following settings:
Hang 0.0 s
Decay 10 dB
Threshold 1.50 uV

I've tried adjusting the AGC parameters and haven't had any good success improving AGC response. Anyone have any suggestions?

BTW, connected my W2IHY equipment through the rear connector and getting excellent reports. Just had to raise the gain out of the EQ Plus higher since the rear input requires more lvel than the front mic jack.

73
Dave
wo2x

[Non-text portions of this message have been removed]

6811. Re: [orion565] New owner of an Orion II - RX AGC issues

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-22 03:16:14 UTC
From: ai4dq@aol.com
Topic: 6744 Message: 6811

Well we can see your new to the Orion there is no pre amp if you need it match your 7700 then add 10db attn it should match just fine similar to 950SDX kenwood load the older beta version it works quite well on the noisy night Some one help out what version .

Phil AI4DQ

In a message dated 3/21/2011 10:49:34 P.M. Eastern Daylight Time, RocketNJ@gmail.com writes:

Hi All,

Got an Orion II today (used). It was already updated to the latest firmware. I find the AGC has a lot of pumping on strong signals on 75 meters.

Also seems the S meter is out of calibration. It reads a lot higher than my 7700 side by side and signals that are over 20 over S9 seem to easily jump to 50+ over S9.

Lots of static crashes tonight and running AGC on slow with following settings:
Hang 0.0 s
Decay 10 dB
Threshold 1.50 uV

I’ve tried adjusting the AGC parameters and haven’t had any good success improving AGC response. Anyone have any suggestions?

BTW, connected my W2IHY equipment through the rear connector and getting excellent reports. Just had to raise the gain out of the EQ Plus higher since the rear input requires more lvel than the front mic jack.

73
Dave
wo2x

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6812. RE: [orion565] New owner of an Orion II - RX AGC issues

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-22 03:43:08 UTC
From: Duane Calvin
Topic: 6744 Message: 6812

Don't forget to back off on the RF Gain. Running it full-out can cause some of that pumping you are describing.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Dave
Sent: Monday, March 21, 2011 9:49 PM
To: orion565@yahoogroups.com
Subject: [orion565] New owner of an Orion II - RX AGC issues

Hi All,

Got an Orion II today (used). It was already updated to the latest firmware. I find the AGC has a lot of pumping on strong signals on 75 meters.

Also seems the S meter is out of calibration. It reads a lot higher than my 7700 side by side and signals that are over 20 over S9 seem to easily jump to 50+ over S9.

Lots of static crashes tonight and running AGC on slow with following settings:
Hang 0.0 s
Decay 10 dB
Threshold 1.50 uV

I've tried adjusting the AGC parameters and haven't had any good success improving AGC response. Anyone have any suggestions?

BTW, connected my W2IHY equipment through the rear connector and getting excellent reports. Just had to raise the gain out of the EQ Plus higher since the rear input requires more lvel than the front mic jack.

73
Dave
wo2x

[Non-text portions of this message have been removed]

Yahoo! Groups Links

6813. Re: [orion565] New owner of an Orion II - RX AGC issues

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-22 04:17:27 UTC
From: Barry N1EU
Topic: 6744 Message: 6813

On Tue, Mar 22, 2011 at 3:43 AM, Duane Calvin <ac5aa1@...> wrote:

>
>
> Don't forget to back off on the RF Gain. Running it full-out can cause some
> of that pumping you are describing.
>
> That's an important point. Turn off preamp, turn up AF Gain to 75% and
turn down RF Gain to 50% and see how that sounds for starters.

73, Barry N1EU

[Non-text portions of this message have been removed]

6814. Re: [orion565] New owner of an Orion II - RX AGC issues

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-22 11:10:00 UTC
From: Dave
Topic: 6744 Message: 6814

Thanks to all for the reply. There is definitely a learning curve regarding rx gain and AGC settings. Definitely not a radio you can take out of the box and have working properly without adjustments.
For medium settings I am using hang 0.12, decay 20 dB, and threshold 1.30 uV. This gives me balance between weak signals and strong stations.

With that said..... I am wondering if there is not an alignment issue. With both the main and sub receiver at same AGC settings the sub receiver does not have the pumping as bad as the main receiver. Also the S meter seems to be not calibrated as signals are higher than my Icom 7700 and Flex 5000A. Also strong signals seem to jump from around 10 over S9 right up to 40+. I'll verify this tonight with my Aeroflex 2975 service monitor.

It seems the radio has excessive IF gain in a stage where the RF Gain control has no real effect.

Is there a service manual available to purchase?

73
Dave
wo2x

[Non-text portions of this message have been removed]

6815. Re: [orion565] New owner of an Orion II - RX AGC issues

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-22 13:21:07 UTC
From: gary strong
Topic: 6744 Message: 6815

Dave,
I've have a spreadsheet with a few different Orion II owner's settings for AGC and virtually everything else that I'd be glad to email to you. Is the RocketNJ@... a good address to send it?

Gary

On Mon, Mar 21, 2011 at 9:49 PM, Dave <RocketNJ@...> wrote:

>
>
> Hi All,
>
> Got an Orion II today (used). It was already updated to the latest
> firmware. I find the AGC has a lot of pumping on strong signals on 75
> meters.
>
> Also seems the S meter is out of calibration. It reads a lot higher than my
> 7700 side by side and signals that are over 20 over S9 seem to easily jump
> to 50+ over S9.
>
> Lots of static crashes tonight and running AGC on slow with following
> settings:
> Hang 0.0 s
> Decay 10 dB
> Threshold 1.50 uV
>
> I?ve tried adjusting the AGC parameters and haven?t had any good success
> improving AGC response. Anyone have any suggestions?
>
> BTW, connected my W2IHY equipment through the rear connector and getting
> excellent reports. Just had to raise the gain out of the EQ Plus higher
> since the rear input requires more lvel than the front mic jack.
>
> 73
> Dave
> wo2x
>
> [Non-text portions of this message have been removed]
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6816. Re: [orion565] New owner of an Orion II - RX AGC issues

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-22 13:29:51 UTC
From: Dave
Topic: 6744 Message: 6816

Yes that is a good email.

Thanks
Dave
wo2x

Sent from my iPhone

On Mar 22, 2011, at 9:21 AM, gary strong <gstrongx@...> wrote:

> Dave,
> I've have a spreadsheet with a few different Orion II owner's settings for
> AGC and virtually everything else that I'd be glad to email to you. Is the
> RocketNJ@... a good address to send it?
>
> Gary
>
> On Mon, Mar 21, 2011 at 9:49 PM, Dave <RocketNJ@...> wrote:
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>>
>>
>> Hi All,
>>
>> Got an Orion II today (used). It was already updated to the latest
>> firmware. I find the AGC has a lot of pumping on strong signals on 75
>> meters.
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>> Also seems the S meter is out of calibration. It reads a lot higher than my
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>> wo2x
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6817. Re: New owner of an Orion II - RX AGC issues

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-22 14:15:10 UTC
From: Jose
Topic: 6744 Message: 6817

I just got an Orion II also
Would you send me the spreadsheet also.
The email listed is good for me.
Thank you.

--- In orion565@yahoogroups.com, Dave <RocketNJ@...> wrote:
>
> Yes that is a good email.
>
> Thanks
> Dave
> wo2x
>
>
> Sent from my iPhone
>
> On Mar 22, 2011, at 9:21 AM, gary strong <gstrongx@...> wrote:
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> > Dave,
> > I've have a spreadsheet with a few different Orion II owner's settings for
> > AGC and virtually everything else that I'd be glad to email to you. Is the
> > RocketNJ@... a good address to send it?
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> > Gary
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> > On Mon, Mar 21, 2011 at 9:49 PM, Dave <RocketNJ@...> wrote:
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> >> Hi All,
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> >> 7700 side by side and signals that are over 20 over S9 seem to easily jump
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> >> [Non-text portions of this message have been removed]
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> > Yahoo! Groups Links
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6818. Re: [orion565] New owner of an Orion II - RX AGC issues

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-22 14:18:29 UTC
From: Michael W Elliott
Topic: 6744 Message: 6818

Dave

I would like to see you spreadsheet

been a Orioin II owner for 4 years

de
KQ0B

Michael W. Elliott
"THE INSIDE ADVANTAGE"   -
RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri

--- On Tue, 3/22/11, gary strong <gstrongx@...> wrote:

From: gary strong <gstrongx@...>
Subject: Re: [orion565] New owner of an Orion II - RX AGC issues
To: orion565@yahoogroups.com
Date: Tuesday, March 22, 2011, 8:21 AM

Dave,
I've have a spreadsheet with a few different Orion II owner's settings for
AGC and virtually everything else that I'd be glad to email to you. Is the
RocketNJ@... a good address to send it?

Gary

On Mon, Mar 21, 2011 at 9:49 PM, Dave <RocketNJ@...> wrote:

>
>
> Hi All,
>
> Got an Orion II today (used). It was already updated to the latest
> firmware. I find the AGC has a lot of pumping on strong signals on 75
> meters.
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> Also seems the S meter is out of calibration. It reads a lot higher than my
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> Dave
> wo2x
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> [Non-text portions of this message have been removed]
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Yahoo! Groups Links

[Non-text portions of this message have been removed]

6819. Re: [orion565] New owner of an Orion II - RX AGC issues

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-22 15:45:19 UTC
From: trewins@aol.com
Topic: 6744 Message: 6819

Hi Dave, I have also been reading the mail on AGC with the Orion2, could I also get a copy of your spreadsheet data?
Thanks 73 de Dave KR4U

-----Original Message-----
From: Michael W Elliott <kq0b@sbcglobal.net>
To: orion565 <orion565@yahoogroups.com>
Sent: Tue, Mar 22, 2011 10:18 am
Subject: Re: [orion565] New owner of an Orion II - RX AGC issues

Dave

I would like to see you spreadsheet

been a Orioin II owner for 4 years

de
KQ0B

Michael W. Elliott
"THE INSIDE ADVANTAGE" -
RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri

--- On Tue, 3/22/11, gary strong <gstrongx@...> wrote:

From: gary strong <gstrongx@...>
Subject: Re: [orion565] New owner of an Orion II - RX AGC issues
To: orion565@yahoogroups.com
Date: Tuesday, March 22, 2011, 8:21 AM

Dave,
I've have a spreadsheet with a few different Orion II owner's settings for AGC and virtually everything else that I'd be glad to email to you. Is the RocketNJ@... a good address to send it?

Gary

On Mon, Mar 21, 2011 at 9:49 PM, Dave <RocketNJ@...> wrote:

>
>
> Hi All,
>
> Got an Orion II today (used). It was already updated to the latest
> firmware. I find the AGC has a lot of pumping on strong signals on 75
> meters.

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> Also seems the S meter is out of calibration. It reads a lot higher than my
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Yahoo! Groups Links

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6820. Re: [orion565] New owner of an Orion II - RX AGC issues

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-22 17:18:24 UTC
From: Larry Menzel
Topic: 6744 Message: 6820

Hi, Dave, and welcome to the wonderful world of Orion!

As AC5AA said, be sure to turn the RF gain back about 70. Over driving the receiver can cause all that popping and crunching you hear. Don't forget to set the B VFO gain back to about 70 or 75 as well.

Also, make sure that you have not accidentally activated the preamp down in the bottom right of the screen area. This is easy to do and magnifies all that noise, as well.

As for AGC settings, let me pass along to you some wisdom I received some years ago when I first started using an Orion. I find that the AGC threshold control makes a lot of difference when changing AGC settings from slow through program. I like to have a good a signal to noise ratio as possible. Since I don't hear as well as I used to these settings make a significant difference when tuning, especially in noisy situations. I work mostly QSK CW and I like to have the receiver quiet between the elements as I listen. I also like the receiver quite on SSB QSOs as well. So, here's how I have set up my AGC options. Before you begin adjusting these, make sure the RF Gain is at 100. Watch the S meter as you set the threshold. Switch to 10 meters or somewhere where it's quiet. Then turn the RF Gain back to 70 or so when you're done.

SLOW:
Hang: 1 second
Decay: 10 dB/s
Threshold:11uV (About S6 on the S meter)

MEDIUM:
Hang: 0.5 Seconds
Decay: 20 dB/s
Threshold: 5uV (about S5 on the S meter)

FAST:
Hang: .02 seconds
Decay: 80 dB/s
Threshold: 1.4uV (About S2.5 on the S Meter)

PROG:
Hang: 0.1 seconds
Decay: 200 dB/S (and you may want to try values up to 1000 or more--your choice--I run mine at about 800)
Threshold: .75 (About S2 or so on the meter)

I set my AGC Slope to 2:10 db.

I use the SLOW settings when conditions are pretty good and work down as conditions deteriorate. Having THRESHOLD available in the AGC settings makes it very easy to quickly set the best performance for any condition. You can still use the RF Gain to incruease or reduce RX gain further as required. This, IMHO, is one of the most desirable features of the Orion.

Having said all this, none of these settings are anything but a suggestion. One of the great things about this radio is that you can truly customize it for your location, operating conditions and personal abilities.

These, at best, a starting point for you to begin customizing the radio for you. I love that.

As far as the S Meter readings are concerned, they are dependent upon the signal level, of course. So in the above example, if you're listening to a station in the "Slow" AGC position, signals under about S6 are not going to move the needle. If the signal is over the S6 reading then you'll get a better indication. However, in the PROG position, you'll get more accurate S meter indications.

I know, it's different from most radios out there, but remember, most of the time we give 599 anyway, so I don't see where S meter readings are really all that important anyway...IMHO. ;-)

Good luck. BTW, concentrate on all the marvelous things the radio can do, and don't get hung up on it's quirks...and there are some.

Larry, W0PR

Thanks to Lee, WA3FIY who sent me this stuff in the first place.

On Mon, Mar 21, 2011 at 9:49 PM, Dave <RocketNJ@...> wrote:

>
>
> Hi All,
>
> Got an Orion II today (used). It was already updated to the latest
> firmware. I find the AGC has a lot of pumping on strong signals on 75
> meters.
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> I?ve tried adjusting the AGC parameters and haven?t had any good success
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> BTW, connected my W2IHY equipment through the rear connector and getting
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>
> 73
> Dave
> wo2x
>
> [Non-text portions of this message have been removed]
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6821. Tuner Ten-Tec 238b Or C

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-22 18:38:48 UTC
From: AC2FC
Topic: 6821 Message: 6821

Hi,
I am looking to buy antenna tuner Ten-Tec 238B or C.My email tarniowy@yahoo.com.

Thanks
Arek
AC2FC

6822. Re: New owner of an Orion II - RX AGC issues

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-22 19:03:06 UTC
From: Jose
Topic: 6744 Message: 6822

I just got an Orion II also
Would you send me the spreadsheet also.
The email listed is good for me.
Thank you.

--- In orion565@yahoogroups.com, Dave <RocketNJ@...> wrote:
>
> Yes that is a good email.
>
> Thanks
> Dave
> wo2x
>
>
> Sent from my iPhone
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> On Mar 22, 2011, at 9:21 AM, gary strong <gstrongx@...> wrote:
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> > I've have a spreadsheet with a few different Orion II owner's settings for
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> > RocketNJ@... a good address to send it?
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> > Gary
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6823. Re: [orion565] Re: New owner of an Orion II - RX AGC issues

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-22 20:05:49 UTC
From: Barry N1EU
Topic: 6744 Message: 6823

Pardon a dissenting voice, but IMHO all this attention on AGC settings is a bunch of hooey. Way back in the days of firmware that none of us are using any longer, you DID have to fool with AGC settings because RF Gain settings acted independently of AGC Threshold. But then they changed the dsp gain control so that RF Gain acted on the AGC Threshold. Just set AGC Threshold to a low value (1uV) and leave it there. Then, do this:

1. Turn off your preamp and turn RF Gain to 100
2. Tune in a very strong signal and turn up AF Gain to the maximum loudness you'll be comfortable with. For my headphones, that's about 75%. Leave your AF Gain at this setting all the time - don't touch it - ever
3. Turn RF Gain down till you just hear background band noise. You're done. Make small adjustments to RF Gain depending on strength of signal you've tuned in.

73, Barry N1EU

On Tue, Mar 22, 2011 at 7:03 PM, Jose <jose_delauz@...> wrote:

>
>
> I just got an Orion II also
> Would you send me the spreadsheet also.
> The email listed is good for me.
> Thank you.
>
> --- In orion565@yahoogroups.com, Dave <RocketNJ@...> wrote:
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> > Yes that is a good email.
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> > Thanks
> > Dave
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> > Sent from my iPhone
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> > On Mar 22, 2011, at 9:21 AM, gary strong <gstrongx@...> wrote:
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> > > Dave,
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> > > Gary
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> > > On Mon, Mar 21, 2011 at 9:49 PM, Dave <RocketNJ@...> wrote:
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> > >> since the rear input requires more lvel than the front mic jack.
> > >>
> > >> 73
> > >> Dave
> > >> wo2x
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6824. Re: [orion565] New owner of an Orion II - RX AGC issues

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-23 00:44:08 UTC
From: Ron Anderson
Topic: 6744 Message: 6824

Please e-mail me the spreadsheet . N4LKE@....
Thank you for your info. and trouble for e-mailing it.
73's
Ron
N4LKE

From: gary strong <gstrongx@...>
To: orion565@yahoogroups.com
Sent: Tue, March 22, 2011 8:21:07 AM
Subject: Re: [orion565] New owner of an Orion II - RX AGC issues

Dave,
I've have a spreadsheet with a few different Orion II owner's settings for AGC and virtually everything else that I'd be glad to email to you. Is the RocketNJ@... a good address to send it?

Gary

On Mon, Mar 21, 2011 at 9:49 PM, Dave <RocketNJ@...> wrote:

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> Hi All,
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> firmware. I find the AGC has a lot of pumping on strong signals on 75
> meters.
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> 73
> Dave
> wo2x
>
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

6825. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-23 03:25:07 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 6825

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /OrionSettings-K0OQ-GaryStrong.xls
Uploaded by : aa4nu <aa4nu@...>
Description : Various AGC/Misc Settings - Orion II

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/OrionSettings-K0OQ-GaryStrong.xls

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

aa4nu <aa4nu@...>

6826. Re: [orion565] New owner of an Orion II - RX AGC issues

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-23 23:25:46 UTC
From: Dave
Topic: 6744 Message: 6826

Hi All,

Update on my Orion II AGC issues.

I decided to load older versions of firmware to test AGC with different releases. After each load I cleared the RAM and did a master reset. I am now using 2.041XT beta release and have the AGC set to RF AGC. The AGC is a lot better. with slight tweaking of the settings I have very acceptable receive.

Then upgraded to 2.044a and did the RAM clear and master reset. Selectable AGC option (RF or AF) is no longer an option. RX audio on strong signals starts to sound very loud with echo and distorted around the edges. This is with adding 12 dB attenuation and RF gain around 70. With 2.041XT I could run no attenuation and RF gain at 100 without the audio sounding like that. So sticking with 2.041XT for now.

Dave
wo2x

[Non-text portions of this message have been removed]

6827. Re: [orion565] New owner of an Orion II - RX AGC issues

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-25 12:16:43 UTC
From: Michael Carter
Topic: 6744 Message: 6827

Will the settings work with the Orion as well.... if so please email me as well. I love my Orion 565 and learning more all the time

73,
Mike NT5DX nt5dx@...

On Tue, Mar 22, 2011 at 8:21 AM, gary strong <gstrongx@gmail.com> wrote:

> Dave,
> I've have a spreadsheet with a few different Orion II owner's settings for
> AGC and virtually everything else that I'd be glad to email to you. Is the
> RocketNJ@... a good address to send it?
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> On Mon, Mar 21, 2011 at 9:49 PM, Dave <RocketNJ@...> wrote:
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> > > Dave

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6828. Re: [orion565] New owner of an Orion II - RX AGC issues

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-26 01:30:31 UTC
From: gary strong
Topic: 6744 Message: 6828

Mike,
I don't own an Orion and haven't used one so I can't say if the settings for the Orion II that I posted to the discussion list are the same as the Orion.

Gary

On Fri, Mar 25, 2011 at 7:16 AM, Michael Carter <mtcart50@...> wrote:

> Will the settings work with the Orion as well.... if so please email me as well. I love my Orion 565 and learning more all the time
>
> 73,
> Mike NT5DX nt5dx@...
>
>
> On Tue, Mar 22, 2011 at 8:21 AM, gary strong <gstrongx@...> wrote:
>
> > Dave,
> > I've have a spreadsheet with a few different Orion II owner's settings for
> > AGC and virtually everything else that I'd be glad to email to you. Is the
> > RocketNJ@... a good address to send it?
> >
> > Gary
> >
> > On Mon, Mar 21, 2011 at 9:49 PM, Dave <RocketNJ@...> wrote:
> >
> > >
> > >
> > > Hi All,
> > >
> > > Got an Orion II today (used). It was already updated to the latest
> > > firmware. I find the AGC has a lot of pumping on strong signals on 75
> > > meters.
> > >
> > > Also seems the S meter is out of calibration. It reads a lot higher than
> > > my
> > > 7700 side by side and signals that are over 20 over S9 seem to easily
> > > jump
> > > to 50+ over S9.
> > >
> > > Lots of static crashes tonight and running AGC on slow with following
> > > settings:
> > > Hang 0.0 s

> > > Decay 10 dB
> > > Threshold 1.50 uV
> > >
> > > I?ve tried adjusting the AGC parameters and haven?t had any good
> success
> > > improving AGC response. Anyone have any suggestions?
> > >
> > > BTW, connected my W2IHY equipment through the rear connector and
> getting
> > > excellent reports. Just had to raise the gain out of the EQ Plus higher
> > > since the rear input requires more lvel than the front mic jack.
> > >
> > > 73
> > > Dave
> > > wo2x
> > >
> > > [Non-text portions of this message have been removed]
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> > [Non-text portions of this message have been removed]
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> > Yahoo! Groups Links
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> Yahoo! Groups Links
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6829. Orion 565 and Microkeyer 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-26 22:08:32 UTC
From: Eric Rosenberg
Topic: 6829 Message: 6829

I'm about to put my Orion 565 back on line with the MK2. I haven't put them together in a long time, and it was a struggle then.

If you've done this successfully, please contact me off-line in order that I know what you did to make it work.

Thanks & 73,

Eric W3DQ
Washington, DC

[Non-text portions of this message have been removed]

6830. Re: [orion565] Orion 565 and Microkeyer 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-27 14:54:00 UTC
From: Larry Menzel
Topic: 6829 Message: 6830

Ed,

Drop me a line at w0pr!(at)arrl(dot)net and I believe I can assist you. I'll give you my phone number in a private email.

I'm also good on QRZ.com.

I have MKII and my Orion working great.

Larry, W0PR

On Sat, Mar 26, 2011 at 5:08 PM, Eric Rosenberg <ericrosenberg.dc@...>wrote:

>
>
> I'm about to put my Orion 565 back on line with the MK2. I haven't put
> them together in a long time, and it was a struggle then.
>
> If you've done this successfully, please contact me off-line in order
> that I know what you did to make it work.
>
> Thanks & 73,
>
> Eric W3DQ
> Washington, DC
>
> [Non-text portions of this message have been removed]
>
>
>

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6831. Orion Modes

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-29 17:09:41 UTC
From: NewellC
Topic: 6831 Message: 6831

Being a new owner of the Orion I am trudging up the steep learning curve. What are the modes UCW and LCW and when would you use them? No other radio I have owned has had these modes. I always thought CW was CW.

Thanks

Newell
WX7K

6832. Re: [orion565] Orion Modes

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-29 17:25:22 UTC
From: John Huffman
Topic: 6831 Message: 6832

Upper sideband CW (UCW) and lower sideband CW (LCW). Other rigs call
them CW and CW-Reverse, but don't tell you which side of the carrier
each one is. With Ten Tec, you know what you are getting.

73 de K1ESE
John

On 3/29/2011 1:09 PM, NewellC wrote:
>
> Being a new owner of the Orion I am trudging up the steep learning
> curve. What are the modes UCW and LCW and when would you use them? No
> other radio I have owned has had these modes. I always thought CW was CW.
>
> Thanks
>
> Newell
> WX7K
>
>

[Non-text portions of this message have been removed]

6833. Re: [orion565] Orion Modes

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-29 17:38:56 UTC
From: gary strong
Topic: 6831 Message: 6833

I always use LCW for all bands. Scott from TT does a nice job explaining
the modes on a utube video.

Gary KO0Q
On Mar 29, 2011 12:10 PM, "NewellC" <ncrary@...> wrote:
> Being a new owner of the Orion I am trudging up the steep learning curve.
What are the modes UCW and LCW and when would you use them? No other radio I
have owned has had these modes. I always thought CW was CW.
>
> Thanks
>
> Newell
> WX7K
>

[Non-text portions of this message have been removed]

6835. RE: [orion565] Orion Modes

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-29 19:35:05 UTC
From: Duane Calvin
Topic: 6831 Message: 6835

You can sometimes switch between UCW and LCW to move interference around to where it is easier to work around. Personally, I just use LCW because that's what I'm used to from ICOM and earlier TT radios. Otherwise, I don't think it makes any difference other than which way signals appear as you tune up the band. (if you get what I mean!)...

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of NewellC
Sent: Tuesday, March 29, 2011 12:10 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion Modes

Being a new owner of the Orion I am trudging up the steep learning curve. What are the modes UCW and LCW and when would you use them? No other radio I have owned has had these modes. I always thought CW was CW.

Thanks

Newell
WX7K

Yahoo! Groups Links

6836. Re: Orion Modes

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-29 19:37:27 UTC
From: k1fpv
Topic: 6831 Message: 6836

I think it is a matter of choice. I use UCW on 30 meters through 10 meters. Then I use LCW for 160 through 40 meters to go along with the normal SSB modes.

Flip a coin if you can't decide. I find the Orion II works great on CW with either selection!

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, John Huffman <hjohnc@...> wrote:
>
> Upper sideband CW (UCW) and lower sideband CW (LCW). Other rigs call
> them CW and CW-Reverse, but don't tell you which side of the carrier
> each one is. With Ten Tec, you know what you are getting.
>
> 73 de K1ESE
> John
>
> On 3/29/2011 1:09 PM, NewellC wrote:
> >
> > Being a new owner of the Orion I am trudging up the steep learning
> > curve. What are the modes UCW and LCW and when would you use them? No
> > other radio I have owned has had these modes. I always thought CW was CW.
> >
> > Thanks
> >
> > Newell
> > WX7K
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

6837. Re: Orion Modes

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-30 11:11:23 UTC
From: NewellC
Topic: 6831 Message: 6837

Thanks to all who replied. I will go look for the video.

Newell

--- In orion565@yahoogroups.com, "NewellC" <ncrary@...> wrote:
>
> Being a new owner of the Orion I am trudging up the steep learning curve. What are the modes UCW and LCW and when would you use them? No other radio I have owned has had these modes. I always thought CW was CW.
>
> Thanks
>
> Newell
> WX7K
>

6838. Re: [orion565] Re: Orion Modes

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-30 11:54:04 UTC
From: Bob McGraw - K4TAX
Topic: 6831 Message: 6838

One other way to view the two modes:
In UCW when one tunes down in frequency across a carrier the tone increases in frequency.
In LCW when one tunes down in frequency across a carrier the tone decreases in frequency.

Either one gives the correct CW off-set, depending on sidetone frequency choosen, for receive. It will make no different to the operator on the other end.

73
Bob, K4TAX

----- Original Message -----
From: NewellC
To: orion565@yahoogroups.com
Sent: Wednesday, March 30, 2011 6:11 AM
Subject: [orion565] Re: Orion Modes

Thanks to all who replied. I will go look for the video.

Newell

--- In orion565@yahoogroups.com, "NewellC" <ncrary@...> wrote:
>
> Being a new owner of the Orion I am trudging up the steep learning curve. What are the modes UCW and LCW and when would you use them? No other radio I have owned has had these modes. I always thought CW was CW.
>
> Thanks
>
> Newell
> WX7K
>

[Non-text portions of this message have been removed]

6839. Oriio modes

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-30 14:14:23 UTC
From: Jim
Topic: 6839 Message: 6839

Sorry, no Orion here. Friend has one and I love it. I use LCW because it makes the computer scan via Digipan to move down (left) when I lower the frequency and up (right)when I move up in frequency. Works for me.

6840. Re: [orion565] Orion Modes

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-30 15:27:10 UTC
From: Larry Menzel
Topic: 6831 Message: 6840

Good morning Newell,

Well, I always operate LCW...there's a difference int he sound and I prefer it. Honestly, I'm not sure...my Flex 5000 also offers LCW and UCW. In most cases, I think it's just a matter of preference, and as long as you're zero beat with the other station, I don't think it matters which choose.

Technically, it would seem logical that the selection of one or the other determines whether your actual transmitted cw signal is sent on the lower or upper sideband of a given frequency. So, for example if the station you're listening to is transmitting right at 14.005, if you were to respond to him on LCW your actual transmitted signal would be outside the band. By running the radio in UCW, your signal would be above the band edge, and therefore, legal.

OK, you smart people out there, give us the real reason! I'm dying to know also.

Larry, W0PR

On Tue, Mar 29, 2011 at 12:09 PM, NewellC <ncrary@...> wrote:

>
>
> Being a new owner of the Orion I am trudging up the steep learning curve.
> What are the modes UCW and LCW and when would you use them? No other radio I
> have owned has had these modes. I always thought CW was CW.
>
> Thanks
>
> Newell
> WX7K
>
>
>

[Non-text portions of this message have been removed]

6841. RE: [orion565] Orion Modes

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-30 18:26:00 UTC
From: Duane Calvin
Topic: 6831 Message: 6841

Not so - that works on SSB, and too many contesters don't pay attention to band edges and should. But on CW, your transmit frequency is listed on the readout whether you are in UCW or LCW. What it does is swap the receive offset so that you're listening to your offset frequency choice, not your "zero beat". (By "zero beat" I mean listening exactly on the transmit frequency where you will hear a 0 Hz signal - or, I should say, where you WON'T hear it!) Signals that sounded "higher" in pitch in LCW will sound lower in UCW, and vice versa. Meanwhile, your transmitted signal is on the indicated frequency. Yes, you still need to provide some margin to assure your CW signal is inside the band, but 100 - 200 Hz should be more than enough for that given the calibration accuracy and distortion characteristics of the Orion. In my own use, I never go below 500 Hz above the lower band edge on CW - I like to play it safe.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Larry Menzel
Sent: Wednesday, March 30, 2011 10:27 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion Modes

Good morning Newell,

Well, I always operate LCW...there's a difference int he sound and I prefer it. Honestly, I'm not sure...my Flex 5000 also offers LCW and UCW. In most cases, I think it's just a matter of preference, and as long as you're zero beat with the other station, I don't think it matters which choose.

Technically, it would seem logical that the selection of one or the other determines whether your actual transmitted cw signal is sent on the lower or upper sideband of a given frequency. So, for example if the station you're listening to is transmitting right at 14.005, if you were to respond to him on LCW your actual transmitted signal would be outside the band. By running the radio in UCW, your signal would be above the band edge, and therefore, legal.

OK, you smart people out there, give us the real reason! I'm dying to know also.

Larry, W0PR

On Tue, Mar 29, 2011 at 12:09 PM, NewellC <ncrary@...> wrote:

>
>
> Being a new owner of the Orion I am trudging up the steep learning curve.
> What are the modes UCW and LCW and when would you use them? No other radio
I
> have owned has had these modes. I always thought CW was CW.
>
> Thanks
>
> Newell
> WX7K
>
>
>

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Yahoo! Groups Links

6842. Re: [orion565] Orion Modes

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-30 18:38:23 UTC
From: Larry Menzel
Topic: 6831 Message: 6842

OK...As I said, I was venturing a guess, so I'm happy to accept your comment as accurate.

So I guess it does come down to liking what you hear, rather than making a big difference where you're transmitting.

I get it. Thanks for the input. Sometimes it takes a dumb answer to get a smart one.

So noted.

Larry, W0PR

On Wed, Mar 30, 2011 at 1:26 PM, Duane Calvin <ac5aa1@...> wrote:

>
>
> Not so - that works on SSB, and too many contesters don't pay attention to
> band edges and should. But on CW, your transmit frequency is listed on the
> readout whether you are in UCW or LCW. What it does is swap the receive
> offset so that you're listening to your offset frequency choice, not your
> "zero beat". (By "zero beat" I mean listening exactly on the transmit
> frequency where you will hear a 0 Hz signal - or, I should say, where you
> WON'T hear it!) Signals that sounded "higher" in pitch in LCW will sound
> lower in UCW, and vice versa. Meanwhile, your transmitted signal is on the
> indicated frequency. Yes, you still need to provide some margin to assure
> your CW signal is inside the band, but 100 - 200 Hz should be more than
> enough for that given the calibration accuracy and distortion
> characteristics of the Orion. In my own use, I never go below 500 Hz above
> the lower band edge on CW - I like to play it safe.
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Larry Menzel
> Sent: Wednesday, March 30, 2011 10:27 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Orion Modes
>
> Good morning Newell,

>
> Well, I always operate LCW...there's a difference int he sound and I prefer
> it. Honestly, I'm not sure...my Flex 5000 also offers LCW and UCW. In most
> cases, I think it's just a matter of preference, and as long as you're zero
> beat with the other station, I don't think it matters which choose.
>
> Technically, it would seem logical that the selection of one or the other
> determines whether your actual transmitted cw signal is sent on the lower
> or
> upper sideband of a given frequency. So, for example if the station you're
> listening to is transmitting right at 14.005, if you were to respond to him
> on LCW your actual transmitted signal would be outside the band. By running
> the radio in UCW, your signal would be above the band edge, and therefore,
> legal.
>
> OK, you smart people out there, give us the real reason! I'm dying to know
> also.
>
> Larry, W0PR
>
> On Tue, Mar 29, 2011 at 12:09 PM, NewellC <ncrary@excite.com> wrote:
>
> >
> >
> > Being a new owner of the Orion I am trudging up the steep learning curve.
> > What are the modes UCW and LCW and when would you use them? No other
> radio
> I
> > have owned has had these modes. I always thought CW was CW.
> >
> > Thanks
> >
> > Newell
> > WX7K
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> Yahoo! Groups Links
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6843. Re: [orion565] Orion Modes

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-30 18:42:26 UTC
From: Larry Menzel
Topic: 6831 Message: 6843

And I still maintain that some of the software packages out there handle this differently than our Orion's do, and that if they're using some kind of SSB derivative(?) to generate their CW signal, they could very well be out of band.

YMMV.

Larry, W0PR

On Wed, Mar 30, 2011 at 1:26 PM, Duane Calvin <ac5aa1@...> wrote:

>
>
> Not so - that works on SSB, and too many contesters don't pay attention to
> band edges and should. But on CW, your transmit frequency is listed on the
> readout whether you are in UCW or LCW. What it does is swap the receive
> offset so that you're listening to your offset frequency choice, not your
> "zero beat". (By "zero beat" I mean listening exactly on the transmit
> frequency where you will hear a 0 Hz signal - or, I should say, where you
> WON'T hear it!) Signals that sounded "higher" in pitch in LCW will sound
> lower in UCW, and vice versa. Meanwhile, your transmitted signal is on the
> indicated frequency. Yes, you still need to provide some margin to assure
> your CW signal is inside the band, but 100 - 200 Hz should be more than
> enough for that given the calibration accuracy and distortion
> characteristics of the Orion. In my own use, I never go below 500 Hz above
> the lower band edge on CW - I like to play it safe.
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Larry Menzel
> Sent: Wednesday, March 30, 2011 10:27 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Orion Modes
>
> Good morning Newell,
>
> Well, I always operate LCW...there's a difference int he sound and I prefer
> it. Honestly, I'm not sure...my Flex 5000 also offers LCW and UCW. In most
> cases, I think it's just a matter of preference, and as long as you're zero

> beat with the other station, I don't think it matters which choose.
>
> Technically, it would seem logical that the selection of one or the other
> determines whether your actual transmitted cw signal is sent on the lower
> or
> upper sideband of a given frequency. So, for example if the station you're
> listening to is transmitting right at 14.005, if you were to respond to him
> on LCW your actual transmitted signal would be outside the band. By running
> the radio in UCW, your signal would be above the band edge, and therefore,
> legal.
>
> OK, you smart people out there, give us the real reason! I'm dying to know
> also.
>
> Larry, W0PR
>
> On Tue, Mar 29, 2011 at 12:09 PM, NewellC <ncrary@...> wrote:
>
> >
> >
> > Being a new owner of the Orion I am trudging up the steep learning curve.
> > What are the modes UCW and LCW and when would you use them? No other
> radio
> I
> > have owned has had these modes. I always thought CW was CW.
> >
> > Thanks
> >
> > Newell
> > WX7K
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

6844. (no subject)

Yahoo group: orion565 (2009 — 2013)
Date: 2011-03-31 00:08:16 UTC
From: Ron Anderson
Topic: 6844 Message: 6844

http://thessalonikihomes.com/images/acc.php

[Non-text portions of this message have been removed]

6845. FS: 253 Antenna Tuner, 311 Level Converter, 253-311 Cable, 253 Manual

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-05 17:02:58 UTC
From: Edward A. Feustel
Topic: 6845 Message: 6845

I have acquired a Palstar BT-1500A for my 600 ohm centerfed doublet and have decided to relinquish my 253 Auto tuner setup for my Orion 565/Centaur.

The package connects an Orion 565 or an Orion 566 to a 253 Auto Antenna Tuner. The Ten-tec 253 is in good working condition. The left hand upper corner of the 253 is slightly depressed and needs a spot of Ten Tec gray paint. It cannot be seen from the front. No power supply for the tuner nor keying loop cables are included. Photos of the tuner and 311 as well as the serial number of the 253 are available on request.

The cable from the Ten-tec 311 to the 253 was manufactured by Riley Accessories and replaces a 236. It has an extra wire in it that enables the antenna tuner for the segment at 6o meters.

Cost of the package is $650 plus shipping plus insurance via Postal Money Order or Paypal. I will not split elements of the package. Be certain that you understand the memory limitations of the 253 before you buy it.

Edward Feustel, N5EI
(603)298-5716
efeustel@...

6846. Keyer/Key use in latest 565 version

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-11 08:58:45 UTC
From: Edward A. Feustel
Topic: 6846 Message: 6846

Ten-tec Engineering,
After a master reset the keyer was turned on.
I have straight key and vibroplex connected to the
port formerly dedicated to direct operation (not using
the built in keyer). I was surprised yesterday when
pressing the straight key produced a series of dots!

It is very handy to use the straight key for "final" tuneup on CW.
In the next version, please revert to the old scheme
as described in the manual.

Thanks and 73.
Ed, N5EI

6847. Re: [orion565] Keyer/Key use in latest 565 version

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-11 13:37:47 UTC
From: Robert Mcgraw
Topic: 6846 Message: 6847

As I recall, and the way it works on the Eagle and the Omni VII, when the radio is powered up it "reads" the key jack for device configuration. If a bug or straight key is plugged in, it reverts to the straight key mode. However, if the radio is powered up and then a straight key is plugged in, the radio will not read the key jack and reverts to the mode that was read when the radio was powered up.

Thus, plug in the key and then power up the radio. All should be correct.

73
Bob, K4TAX

> Ten-tec Engineering,
> After a master reset the keyer was turned on.
> I have straight key and vibroplex connected to the
> port formerly dedicated to direct operation (not using
> the built in keyer). I was surprised yesterday when
> pressing the straight key produced a series of dots!
>
> It is very handy to use the straight key for "final" tuneup on CW.
> In the next version, please revert to the old scheme
> as described in the manual.
>
> Thanks and 73.
> Ed, N5EI
>
>

6848. Orion and firmware V2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-11 21:54:21 UTC
From: iz1ngw
Topic: 6848 Message: 6848

Hello guys, I just received an Orion 565 which has as the firware 2.064x11 V2, my Orion is the first version and I want know if this firmware is correct because I'm not impressed of the receiver and the DSP with the NR too strongly ..... I dont like it !!
My Orion need a downgrade to old firmware ??
Best regards
Dario

6849. Re: Keyer/Key use in latest 565 version

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-12 10:24:52 UTC
From: Edward A. Feustel
Topic: 6846 Message: 6849

Bob,
Thanks for your comments.

I have both keys plugged in prior to turning the rig on.
Now it comes up in "keyer mode" instead of coming up
in straight key mode.

73,
Ed, N5EI

6850. Re: [orion565] Re: Keyer/Key use in latest 565 version

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-12 11:44:37 UTC
From: Bob McGraw - K4TAX
Topic: 6846 Message: 6850

OK this must be something related to the code in the latest version for the Orion. I agree, it needs to be changed so that it reads the Key jack at turn-on. Or better yet, if the internal keyer is ON then it should expect the Key jack to be configured accordingly. Then simply turning off the internal keyer the Key jack should be for a bug or straight key or external keyer.

73
Bob, K4TAX

----- Original Message -----
From: Edward A. Feustel
To: orion565@yahoogroups.com
Sent: Tuesday, April 12, 2011 5:24 AM
Subject: [orion565] Re: Keyer/Key use in latest 565 version

Bob,
Thanks for your comments.

I have both keys plugged in prior to turning the rig on.
Now it comes up in "keyer mode" instead of coming up
in straight key mode.

73,
Ed, N5EI

[Non-text portions of this message have been removed]

6851. Re: [orion565] Orion and firmware V2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-12 13:08:57 UTC
From: gary strong
Topic: 6848 Message: 6851

Dario,
I have the Orion II, so take my comments with that in mind. I never run the hardware noise blanker although I will occasionally use the software NB. I put my RF Gain between 60 and seventy, usually closer to 60, and then increase the volume as needed. Some users put the volume all the way up, and use the RF Gain for volume, but I prefer my own approach. You'll find on the list serve yahoo page a document put together by several of us showing our various settings for DSP, gains, etc. The factory default settings for DSP are terrible, so please look up the spreadsheet and try these settings on your radio. Remember you'll need to select each DSP setting (slow, med, fast, prog) for each receiver so your changes work with both.

The radio is fantastic, but it does take a few tweaks to make it 100%.

Gary

On Mon, Apr 11, 2011 at 4:54 PM, iz1ngw <maverik_74@...> wrote:

>
>
> Hello guys, I just received an Orion 565 which has as the firware 2.064x11
> V2, my Orion is the first version and I want know if this firmware is
> correct because I'm not impressed of the receiver and the DSP with the NR
> too strongly ..... I dont like it !!
> My Orion need a downgrade to old firmware ??
> Best regards
> Dario
>
>
>

[Non-text portions of this message have been removed]

6852. Orion serial port communications

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-13 12:29:22 UTC
From: floydsense
Topic: 6852 Message: 6852

Just acquired an Orion II and no luck thus far getting the PC port communications to work. While there seems to be no mention of the serial port parameters in the manual, it appears that the speed should be 57.6 Kb, stop bits -1, no parity. Using a serial port here and all the same software and cables that have been used with a dozen other rigs over the past couple of years. The logging program is DXLab and Commander is properly configured for the Orion parameters. I don't see any Orion menu items that pertain to the serial port. Is there something I've missed that's parculiar to the Orion??

Don't need an education on serial ports, cables, software etc.

Thanks for any help.

73, Floyd - K8AC

6853. Re: Orion serial port communications

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-13 12:35:33 UTC
From: floydsense
Topic: 6852 Message: 6853

Problem solved! It turns out there is much more info in the DXLabwiki than in the Orion manual. The problem was that RTS must be set to FLOW and was set to OFF.

73, Floyd

--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
> Just acquired an Orion II and no luck thus far getting the PC port communications to work. While there seems to be no mention of the serial port parameters in the manual, it appears that the speed should be 57.6 Kb, stop bits -1, no parity. Using a serial port here and all the same software and cables that have been used with a dozen other rigs over the past couple of years. The logging program is DXLab and Commander is properly configured for the Orion parameters. I don't see any Orion menu items that pertain to the serial port. Is there something I've missed that's parculiar to the Orion??
>
> Don't need an education on serial ports, cables, software etc.
>
> Thanks for any help.
>
> 73, Floyd - K8AC
>

6854. Re: [orion565] Orion serial port communications

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-13 15:37:12 UTC
From: Bert Beyt
Topic: 6852 Message: 6854

Set your com port to: 57600,n,8,1

73 Bert W5ZR

On Apr 13, 2011, floydsense <floyd@...> wrote:

  Just acquired an Orion II and no luck thus far getting the PC port communications to work. While there seems to be no mention of the serial port parameters in the manual, it appears that the speed should be 57.6 Kb, stop bits -1, no parity. Using a serial port here and all the same software and cables that have been used with a dozen other rigs over the past couple of years. The logging program is DXLab and Commander is properly configured for the Orion parameters. I don't see any Orion menu items that pertain to the serial port. Is there something I've missed that's parculiar to the Orion??

Don't need an education on serial ports, cables, software etc.

Thanks for any help.

73, Floyd - K8AC

6855. New Orion II owner question

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-15 01:03:46 UTC
From: floydsense
Topic: 6855 Message: 6855

Just acquired an Orion 2 the other day and haven't had the chance to read every word in the manual yet, but have noticed one odd thing. Every now and then, when I power it on, I find that some menu parameters have been reset to the defaults. For example, the Internal Keyer is turned off, or the Sidetone Pitch is set to 700 Hz instead of the 590 I had it set to. Haven't been able to spot a pattern yet, but maybe something I'm doing is resetting these parameters? Paddle is always plugged into the front panel jack. Firmware level is 2.044A.

73, Floyd - K8AC

6856. RE: [orion565] New Orion II owner question

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-15 13:46:29 UTC
From: Rod Greene W7ZRC
Topic: 6855 Message: 6856

Floyd,

That definitely does not happen on my O2. I wonder if the internal battery may be low?

Rod

To: orion565@yahoogroups.com
From: floyd@k8ac.net
Date: Fri, 15 Apr 2011 01:03:46 +0000
Subject: [orion565] New Orion II owner question

Just acquired an Orion 2 the other day and haven't had the chance to read every word in the manual yet, but have noticed one odd thing. Every now and then, when I power it on, I find that some menu parameters have been reset to the defaults. For example, the Internal Keyer is turned off, or the Sidetone Pitch is set to 700 Hz instead of the 590 I had it set to. Haven't been able to spot a pattern yet, but maybe something I'm doing is resetting these parameters? Paddle is always plugged into the front panel jack. Firmware level is 2.044A.

73, Floyd - K8AC

[Non-text portions of this message have been removed]

6857. Re: New Orion II owner question

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-15 16:02:14 UTC
From: floydsense
Topic: 6855 Message: 6857

Hi Rod. Someone else mentioned that in a private email on the subject. Do you have any idea on how long the batteries last? I don't yet know just how old this unit is. I just thought it was odd that there were just a couple of parameters that were being reset (at least that's all I found) while almost everything else is still set to the values I specified. Guess I'll just watch things for a while and see what develops.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, Rod Greene W7ZRC <greene5758@...> wrote:
>
>
> Floyd,
>
> That definitely does not happen on my O2. I wonder if the internal battery may be low?
>
> Rod
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>
> To: orion565@yahoogroups.com
> From: floyd@...
> Date: Fri, 15 Apr 2011 01:03:46 +0000
> Subject: [orion565] New Orion II owner question
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> 73, Floyd - K8AC
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6858. Re: [orion565] Re: New Orion II owner question

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-15 16:25:25 UTC
From: Pumbaa
Topic: 6855 Message: 6858

I had this happen once. I have owned my Orion II for over a year. Sometimes with computer processing something just doesn’t get written into memory correctly and this causes an error.

Tom AG8K

From: floydsense
Sent: Friday, April 15, 2011 11:02 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: New Orion II owner question

Hi Rod. Someone else mentioned that in a private email on the subject. Do you have any idea on how long the batteries last? I don't yet know just how old this unit is. I just thought it was odd that there were just a couple of parameters that were being reset (at least that's all I found) while almost everything else is still set to the values I specified. Guess I'll just watch things for a while and see what develops.

73, Floyd - K8AC

--- In mailto:orion565%40yahoogroups.com, Rod Greene W7ZRC <greene5758@...> wrote:
>
>
> Floyd,
>
> That definitely does not happen on my O2. I wonder if the internal battery may be low?
>
> Rod
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>
> To: mailto:orion565%40yahoogroups.com
> From: floyd@...
> Date: Fri, 15 Apr 2011 01:03:46 +0000
> Subject: [orion565] New Orion II owner question
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> 73, Floyd - K8AC
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6859. Re: New Orion II owner question

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-15 19:14:23 UTC
From: floydsense
Topic: 6855 Message: 6859

OK- just discovered what's resetting the parameters. I had installed the N4PY software and when that starts up the parameters are being reset. I'm sure it's setting some defaults that I've not yet set up in the N4PY software.

73, Floyd - K8AC

6860. Re: Orion and firmware V2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-15 20:17:52 UTC
From: iz1ngw
Topic: 6848 Message: 6860

Thanks for the reply Gary
I really like the receiver, especially on small signal is more sensitive than my 756Pro in particular in the bands 80 and 160 the difference is more marked, but I do not like the NR , in position 1 is too strong and suppresses the small signals, in higher settings the signals over 9 become distorted.
I wanted to know if on older versions of the firmware had a lower NR.

Thank you for the advice on the use of this radio, a friend had warned me that this radio is "different" from the usual Japanese and need make use of the AGC and RFgain

6861. Re: [orion565] Re: Orion and firmware V2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-16 00:42:18 UTC
From: Bob McGraw - K4TAX
Topic: 6848 Message: 6861

Back the RF Gain way down. That will likely correct your concerns.

73
Bob K4TAX

----- Original Message -----
From: iz1ngw
To: orion565@yahoogroups.com
Sent: Friday, April 15, 2011 3:17 PM
Subject: [orion565] Re: Orion and firmware V2

Thanks for the reply Gary
I really like the receiver, especially on small signal is more sensitive than my 756Pro in particular in the bands 80 and 160 the difference is more marked, but I do not like the NR , in position 1 is too strong and suppresses the small signals, in higher settings the signals over 9 become distorted.
I wanted to know if on older versions of the firmware had a lower NR.

Thank you for the advice on the use of this radio, a friend had warned me that this radio is "different" from the usual Japanese and need make use of the AGC and RFgain

[Non-text portions of this message have been removed]

6862. Re: [orion565] Re: Orion and firmware V2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-16 00:51:11 UTC
From: Barry N1EU
Topic: 6848 Message: 6862

Yes, back the RF Gain way down, turn up AF Gain and turn off NR.

73, Barry N1EU

On Sat, Apr 16, 2011 at 12:42 AM, Bob McGraw - K4TAX <RMcGraw@blomand.net>wrote:

>
>
> Back the RF Gain way down. That will likely correct your concerns.
>
> 73
> Bob K4TAX
>
>
> ----- Original Message -----
> From: iz1ngw
> To: orion565@yahoogroups.com
> Sent: Friday, April 15, 2011 3:17 PM
> Subject: [orion565] Re: Orion and firmware V2
>
> Thanks for the reply Gary
> I really like the receiver, especially on small signal is more sensitive
> than my 756Pro in particular in the bands 80 and 160 the difference is more
> marked, but I do not like the NR , in position 1 is too strong and
> suppresses the small signals, in higher settings the signals over 9 become
> distorted.
> I wanted to know if on older versions of the firmware had a lower NR.
>
> Thank you for the advice on the use of this radio, a friend had warned me
> that this radio is "different" from the usual Japanese and need make use of
> the AGC and RFgain
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

6864. Orion 2 display - what's the letter in the box?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-19 00:24:43 UTC
From: floydsense
Topic: 6864 Message: 6864

Just to the left of the TRS indicators above the decimal part of the frequency readout appears a blue letter in a box. It varies among A,B,C,D and I can't find the meaning. Nothing in the Operator's Manual that I've seen. Obviously something to do with parameters I've specified somewhere, but haven't seen the pattern yet. What is it?

73, K8AC

6866. RE: [orion565] Orion 2 display - what's the letter in the box?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-19 01:25:32 UTC
From: Duane Calvin
Topic: 6864 Message: 6866

That indicates which bandstacking register you're using on that band. Push the band button multiple times and you'll see it rotate through the four registers.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of floydsense
Sent: Monday, April 18, 2011 7:25 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion 2 display - what's the letter in the box?

Just to the left of the TRS indicators above the decimal part of the frequency readout appears a blue letter in a box. It varies among A,B,C,D and I can't find the meaning. Nothing in the Operator's Manual that I've seen. Obviously something to do with parameters I've specified somewhere, but haven't seen the pattern yet. What is it?

73, K8AC

Yahoo! Groups Links

6867. Re: Orion 2 display - what's the letter in the box?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-19 03:01:37 UTC
From: floydsense
Topic: 6864 Message: 6867

Hmmmmm... That's not the way mine works. They appear to be true bandstacking registers and multiple clicks on packet spots would overlay the previous frequencies, all within one bandstacking register. I've had other rigs with "quick memories" or similar name, where they can operate as you describe.

73, Floyd

--- In orion565@yahoogroups.com, catfishtwo@... wrote:
>
> that is the four "memories" so lets say you are on 20 meters and have been
> to 4 freqs by clicking on a packet spot. a is the first one, be is #2 and
> so on. so on each band you have the last for places you transmitted as
> previous memories. so like in contesting you can click on a station, and they
> have a small pile up, so you work some one else the push in the band
> button and go back.
>
> Tom
>
> N6AJR
>
> In a message dated 4/18/2011 5:24:54 P.M. Pacific Daylight Time,
> floyd@... writes:
>
> Just to the left of the TRS indicators above the decimal part of the
> frequency readout appears a blue letter in a box. It varies among A,B,C,D and I
> can't find the meaning. Nothing in the Operator's Manual that I've seen.
> Obviously something to do with parameters I've specified somewhere, but
> haven't seen the pattern yet. What is it?
>
> 73, K8AC
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> Yahoo! Groups Links
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> [Non-text portions of this message have been removed]

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6868. Re: Orion 2 display - what's the letter in the box?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-19 03:03:35 UTC
From: floydsense
Topic: 6864 Message: 6868

Looks right! I've just had the rig for a few days and haven't spent much time operating yet. Eventually, I'd have noticed that it was a bandstacking register indicator. Sure would have been a nice thing to put in the manual!

73, Floyd

--- In orion565@yahoogroups.com, "Duane Calvin" <ac5aa1@...> wrote:
>
> That indicates which bandstacking register you're using on that band. Push
> the band button multiple times and you'll see it rotate through the four
> registers.
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of floydsense
> Sent: Monday, April 18, 2011 7:25 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Orion 2 display - what's the letter in the box?
>
> Just to the left of the TRS indicators above the decimal part of the
> frequency readout appears a blue letter in a box. It varies among A,B,C,D
> and I can't find the meaning. Nothing in the Operator's Manual that I've
> seen. Obviously something to do with parameters I've specified somewhere,
> but haven't seen the pattern yet. What is it?
>
> 73, K8AC
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> Yahoo! Groups Links
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6869. RE: [orion565] Re: Orion 2 display - what's the letter in the box?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-19 03:36:03 UTC
From: Duane Calvin
Topic: 6864 Message: 6869

Yeah, I think the manual came out way before the indicators on the display. The Orion's always had the bandstacking registers, but it was a later release of the firmware that added the indicators in the display. I use the BSR's to get me to the portion of the band, and set the mode for (A) CW, (B) PSK, (C) RTTY, and (D) SSB. All the indicator did was force me to look at it each time - hi! Before the indicator I just looked at the display, hmm, 14070 and USB - that's the PSK setup - two more clicks and I'm at SSB! Now, when I jump on spots, I hit the band button first and cycle to the portion of the band I'm headed, then click the spot to have DX4WIN take me to the freq/mode. Otherwise, the last band segment I was on will get clobbered with the new data. Thought I'd let you know about that and save you discovering it for yourself later.....

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of floydsense
Sent: Monday, April 18, 2011 10:04 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion 2 display - what's the letter in the box?

Looks right! I've just had the rig for a few days and haven't spent much time operating yet. Eventually, I'd have noticed that it was a bandstacking register indicator. Sure would have been a nice thing to put in the manual!

73, Floyd

--- In orion565@yahoogroups.com, "Duane Calvin" <ac5aa1@...> wrote:
>
> That indicates which bandstacking register you're using on that band. Push
> the band button multiple times and you'll see it rotate through the four
> registers.
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
> -----Original Message-----

> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of floydsense
> Sent: Monday, April 18, 2011 7:25 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Orion 2 display - what's the letter in the box?
>
> Just to the left of the TRS indicators above the decimal part of the
> frequency readout appears a blue letter in a box. It varies among A,B,C,D
> and I can't find the meaning. Nothing in the Operator's Manual that I've
> seen. Obviously something to do with parameters I've specified somewhere,
> but haven't seen the pattern yet. What is it?
>
> 73, K8AC
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> Yahoo! Groups Links
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Yahoo! Groups Links

6870. Re: [orion565] Re: Orion 2 display - what's the letter in the box?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-19 03:41:38 UTC
From: Robert Mcgraw
Topic: 6864 Message: 6870

As I recall there are 4 band stacking registers. They store the last set
of parameters after about 20 secs of no changes. If you make a change,
the timer starts all over. I think the # symbol appears when the data is
stored. By pressing the Band button one can step through the registers.

73
Bob, K4TAX

> Looks right! I've just had the rig for a few days and haven't spent much
> time operating yet. Eventually, I'd have noticed that it was a
> bandstacking register indicator. Sure would have been a nice thing to
> put in the manual!
>
> 73, Floyd
>
> --- In orion565@yahoogroups.com, "Duane Calvin" <ac5aa1@...> wrote:
>>
>> That indicates which bandstacking register you're using on that band.
>> Push
>> the band button multiple times and you'll see it rotate through the
>> four
>> registers.
>>
>> 73, Duane
>>
>> Duane Calvin, AC5AA
>> Austin, Texas
>> www.ac5aa.com
>>
>> -----Original Message-----
>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
>> Behalf
>> Of floydsense
>> Sent: Monday, April 18, 2011 7:25 PM
>> To: orion565@yahoogroups.com
>> Subject: [orion565] Orion 2 display - what's the letter in the box?
>>
>> Just to the left of the TRS indicators above the decimal part of the
>> frequency readout appears a blue letter in a box. It varies among
>> A,B,C,D
>> and I can't find the meaning. Nothing in the Operator's Manual that
>> I've
>> seen. Obviously something to do with parameters I've specified
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>> but haven't seen the pattern yet. What is it?

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>> 73, K8AC
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>> Yahoo! Groups Links
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6871. Re: Orion 2 display - what's the letter in the box?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-19 12:11:12 UTC
From: floydsense
Topic: 6864 Message: 6871

I see. I probably should have gone back and read the forums for the past few years to get an idea when various things were added. I do have the latest version of the manual, but it appears that is from October, 2006, so there may be many things missing. Now I wonder if there's some function there that's not in the manual but that would be useful to me. On the other hand I've read that there are other functions that have appeared and then been removed in subsequent versions of the firmware (fixed mode for the scope, for example).

I generally use bandstacking registers here in the same way that you do. They always end up screwed up for the same reason and I'm afraid I'd never remember to go to the right register before hitting the spot. I'd like to see a different implementation of the BSRs - maybe a single memory per band when pressing the band select buttons, but if you then hit mode button, the frequency that appeared would be the last frequency you used on that band in that mode. A bit cumbersome on the Orion since you have to hit a mode button and then select the mode with another button. Or, just add a CAT command that would allow the logging program to position the BSRs to the right one for the mode the spot is for.

The Orion 2 is the only rig I've had (of many) that give any sort of indicator indicating which BSR is active. I'll just have to pay attention to it.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "Duane Calvin" <ac5aa1@...> wrote:
>
> Yeah, I think the manual came out way before the indicators on the display.
> The Orion's always had the bandstacking registers, but it was a later
> release of the firmware that added the indicators in the display. I use the
> BSR's to get me to the portion of the band, and set the mode for (A) CW, (B)
> PSK, (C) RTTY, and (D) SSB. All the indicator did was force me to look at
> it each time - hi! Before the indicator I just looked at the display, hmm,
> 14070 and USB - that's the PSK setup - two more clicks and I'm at SSB! Now,
> when I jump on spots, I hit the band button first and cycle to the portion
> of the band I'm headed, then click the spot to have DX4WIN take me to the
> freq/mode. Otherwise, the last band segment I was on will get clobbered
> with the new data. Thought I'd let you know about that and save you
> discovering it for yourself later.....
>
> 73, Duane
>

6872. Re: Orion 2 display - what's the letter in the box?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-22 17:26:04 UTC
From: pa1ap
Topic: 6864 Message: 6872

A while back I had a similar discussion through email. Below an explanation which might help on the bandstacking.

Introduction;

In the early days with analog VFO's switching between bands changed the frequency but not the VFO setting. In other words, when working on 28.500 and switching to 80M just resulted in 3.500... It might be a poor example but that was the logic in early days.

With modern digital VFO's we have the possibility to store and recall frequency (and other elements) at any time we like. We could save a certain frequency into memory and recall it later. Same applies when we change bands... each time we change bands, we can recall the last active frequency for the band we are moving to. This allows us to escape from the analog VFO dependency... Besides user available memory locations to store and recall stuff, the orion also includes automatic memory locations which they call bandstacks.

Bandstacks summary:

1) Each band has four unique memory locations called bandstacks (which are selected automatically when pushing the same band button)

2) Within each band one can rotate through the four unique memory locations which executes the following steps:
a) Store current frequency and mode into current memory location
b) Recall next bandstack frequency and mode
c) Mark bandstack as active

3) Prior to switching band (move from 80M to 20M):
a) Store current frequency and mode into current bandstack memory location
b) Mark current bandstack memory location as active on 80M (provides the hint which bandstack should be recalled when returning to 80M)

4) After switching band:
a) Check which bandstack was marked as active for selected (20M) band
a) Recall bandstack frequency and mode

In more detail;

1) you might have noticed that switching bands also includes recalling previous frequency and mode?
2) If you are on 80M (3700, LSB) and switch to 20M and back again to 80M, your VFO and mode settings will be updated to 3700 and LSB automatically?
3) for each band the last active frequency and mode will be saved (when you push other band button) and recalled (when you push the associated band button)
4) above is the simplest form of bandstacking but the stack is just one memory location for each band....

Bandstacking is an extention of above logic. But now you can have this behavior within the same band using four bandstack memory locations. In the last firmware versions there is an indicator for the bandstack memory location (a,b,c,d) which is really nice. Without the indicator it becomes challenging to use bandstacking.

Introducing bandstacking;

5) within the same band (lets assume 80M) you have four bandstack memory locations. Each memory location will remember last active frequency and mode.
6) assume you are "working" while bandstack c is selected. Frequency is 3700 and mode is LSB.
7) now you push the 80M band button.... the following happens; 3700 / LSB is saved in bandstack c.... frequency and mode as previously saved in bandstack d will be recalled... perhaps it is 3575, CW. Give the VFO a swing and change it to 3580, CW
8) push 80M band button again, 3580, CW will be stored in bandstack d and bandstack a memory will be recalled.... if you continue you will arrive back in bandstack c which will recall 3700, LSB mode

In essence each time you push the -same- band button, you will save the current frequency and mode in current bandstack memory location and you will recall the frequency and mode from the next bandstack memory location...

Bandstacking and band switching;

9) each time you change bands the logic still stands. Prior to the band switch, frequency and mode will be saved in current bandstack memory location followed by switching to the other band.
10) when the other band becomes active the firmware will check which bandstack was active last time and recall that frequency and mode.
11) you could have bandstack c on 80M, while bandstack b is active for 20M... It is incorrect (as far as I know) that if you select bandstack a on 80M this automatically means bandstack a is active for all other bands... The bandstack location (a,b,c,d) should be decoupled between bands.

Hope this helps

73 Onno

6873. Re: Orion 2 display - what's the letter in the box?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-22 17:39:51 UTC
From: floydsense
Topic: 6864 Message: 6873

Hi Onno. Actually, I have a complete and full understanding of everything having to do with bandstacking registers. I've designed and implemented digital VFOs with the capability. My only question was: What is the letter in the box next to the VFO frequency.

My eyes didn't catch the fact that the dim blue letter was changing when I hit a band button multiple times. And, the Orion II must be the only transceiver on the planet that assigns a designator to the bandstacking registers for display. Had I cycled through the registers while watching everything on the display carefully, I'd have noticed the letters changing, but at that point in my Orion experience, I hadn't done that yet. It would have helped if the manual, which I read cover to cover twice, had mentioned the letter designator, but it doesn't. Someone else explained to me that the designator was added sometime later in a firmware update.

Thanks for your help and maybe we'll meet on the air.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> A while back I had a similar discussion through email. Below an explanation which might help on the bandstacking.
>
>
> Introduction;
>
> In the early days with analog VFO's switching between bands changed the frequency but not the VFO setting. In other words, when working on 28.500 and switching to 80M just resulted in 3.500... It might be a poor example but that was the logic in early days.
>
> With modern digital VFO's we have the possibility to store and recall frequency (and other elements) at any time we like. We could save a certain frequency into memory and recall it later. Same applies when we change bands... each time we change bands, we can recall the last active frequency for the band we are moving to. This allows us to escape from the analog VFO dependency... Besides user available memory locations to store and recall stuff, the orion also includes automatic memory locations which they call bandstacks.
>
>
> Bandstacks summary:
>
> 1) Each band has four unique memory locations called bandstacks (which are selected automatically when pushing the same band button)
>
> 2) Within each band one can rotate through the four unique memory locations which executes the following steps:
> a) Store current frequency and mode into current memory location

> b) Recall next bandstack frequency and mode
> c) Mark bandstack as active
>
> 3) Prior to switching band (move from 80M to 20M):
> a) Store current frequency and mode into current bandstack memory location
> b) Mark current bandstack memory location as active on 80M (provides the hint which bandstack should be recalled when returning to 80M)
>
> 4) After switching band:
> a) Check which bandstack was marked as active for selected (20M) band
> a) Recall bandstack frequency and mode
>
>
> In more detail;
>
> 1) you might have noticed that switching bands also includes recalling previous frequency and mode?
> 2) If you are on 80M (3700, LSB) and switch to 20M and back again to 80M, your VFO and mode settings will be updated to 3700 and LSB automatically?
> 3) for each band the last active frequency and mode will be saved (when you push other band button) and recalled (when you push the associated band button)
> 4) above is the simplest form of bandstacking but the stack is just one memory location for each band....
>
> Bandstacking is an extention of above logic. But now you can have this behavior within the same band using four bandstack memory locations. In the last firmware versions there is an indicator for the bandstack memory location (a,b,c,d) which is really nice. Without the indicator it becomes challenging to use bandstacking.
>
> Introducing bandstacking;
>
> 5) within the same band (lets assume 80M) you have four bandstack memory locations. Each memory location will remember last active frequency and mode.
> 6) assume you are "working" while bandstack c is selected. Frequency is 3700 and mode is LSB.
> 7) now you push the 80M band button.... the following happens; 3700 / LSB is saved in bandstack c.... frequency and mode as previously saved in bandstack d will be recalled... perhaps it is 3575, CW. Give the VFO a swing and change it to 3580, CW
> 8) push 80M band button again, 3580, CW will be stored in bandstack d and bandstack a memory will be recalled.... if you continue you will arrive back in bandstack c which will recall 3700, LSB mode
>
> In essence each time you push the -same- band button, you will save the current frequency and mode in current bandstack memory location and you will recall the frequency and mode from the next bandstack memory location...
>
> Bandstacking and band switching;
>
> 9) each time you change bands the logic still stands. Prior to the band switch, frequency and mode will be saved in current bandstack memory location followed by switching to the

other band.
> 10) when the other band becomes active the firmware will check which bandstack was active last time and recall that frequency and mode.
> 11) you could have bandstack c on 80M, while bandstack b is active for 20M... It is incorrect (as far as I know) that if you select bandstack a on 80M this automatically means bandstack a is active for all other bands... The bandstack location (a,b,c,d) should be decoupled between bands.
>
>
> Hope this helps
>
> 73 Onno
>

6874. Re: Orion 2 display - what's the letter in the box?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-24 15:50:08 UTC
From: toby423@embarqmail.com
Topic: 6864 Message: 6874

Floyd, the Ten Tec Omni 7 also displays A,B, C, D, for each of the four band stacking registers.

Toby W4CAK

--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
> Hi Onno. Actually, I have a complete and full understanding of everything having to do with bandstacking registers. I've designed and implemented digital VFOs with the capability. My only question was: What is the letter in the box next to the VFO frequency.
>
> My eyes didn't catch the fact that the dim blue letter was changing when I hit a band button multiple times. And, the Orion II must be the only transceiver on the planet that assigns a designator to the bandstacking registers for display. Had I cycled through the registers while watching everything on the display carefully, I'd have noticed the letters changing, but at that point in my Orion experience, I hadn't done that yet. It would have helped if the manual, which I read cover to cover twice, had mentioned the letter designator, but it doesn't. Someone else explained to me that the designator was added sometime later in a firmware update.
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> Thanks for your help and maybe we'll meet on the air.
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> 73, Floyd - K8AC
>
>
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > A while back I had a similar discussion through email. Below an explanation which might help on the bandstacking.
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> >
> > Introduction;
> >
> > In the early days with analog VFO's switching between bands changed the frequency but not the VFO setting. In other words, when working on 28.500 and switching to 80M just resulted in 3.500... It might be a poor example but that was the logic in early days.
> >
> > With modern digital VFO's we have the possibility to store and recall frequency (and other elements) at any time we like. We could save a certain frequency into memory and recall it later. Same applies when we change bands... each time we change bands, we can recall the last active frequency for the band we are moving to. This allows us to escape from the analog VFO dependency... Besides user available memory locations to store and recall stuff, the orion also includes automatic memory locations which they call bandstacks.

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> >
> > Bandstacks summary:
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> > 1) Each band has four unique memory locations called bandstacks (which are selected automatically when pushing the same band button)
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> > 2) Within each band one can rotate through the four unique memory locations which executes the following steps:
> > a) Store current frequency and mode into current memory location
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> > c) Mark bandstack as active
> >
> > 3) Prior to switching band (move from 80M to 20M):
> > a) Store current frequency and mode into current bandstack memory location
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> > 4) After switching band:
> > a) Check which bandstack was marked as active for selected (20M) band
> > a) Recall bandstack frequency and mode
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> >
> > In more detail;
> >
> > 1) you might have noticed that switching bands also includes recalling previous frequency and mode?
> > 2) If you are on 80M (3700, LSB) and switch to 20M and back again to 80M, your VFO and mode settings will be updated to 3700 and LSB automatically?
> > 3) for each band the last active frequency and mode will be saved (when you push other band button) and recalled (when you push the associated band button)
> > 4) above is the simplest form of bandstacking but the stack is just one memory location for each band....
> >
> > Bandstacking is an extention of above logic. But now you can have this behavior within the same band using four bandstack memory locations. In the last firmware versions there is an indicator for the bandstack memory location (a,b,c,d) which is really nice. Without the indicator it becomes challenging to use bandstacking.
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> > Introducing bandstacking;
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> > 5) within the same band (lets assume 80M) you have four bandstack memory locations. Each memory location will remember last active frequency and mode.
> > 6) assume you are "working" while bandstack c is selected. Frequency is 3700 and mode is LSB.
> > 7) now you push the 80M band button.... the following happens; 3700 / LSB is saved in bandstack c.... frequency and mode as previously saved in bandstack d will be recalled... perhaps it is 3575, CW. Give the VFO a swing and change it to 3580, CW
> > 8) push 80M band button again, 3580, CW will be stored in bandstack d and bandstack a memory will be recalled.... if you continue you will arrive back in bandstack c which will

recall 3700, LSB mode
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> > In essence each time you push the -same- band button, you will save the current frequency and mode in current bandstack memory location and you will recall the frequency and mode from the next bandstack memory location...
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> > Bandstacking and band switching;
> >
> > 9) each time you change bands the logic still stands. Prior to the band switch, frequency and mode will be saved in current bandstack memory location followed by switching to the other band.
> > 10) when the other band becomes active the firmware will check which bandstack was active last time and recall that frequency and mode.
> > 11) you could have bandstack c on 80M, while bandstack b is active for 20M... It is incorrect (as far as I know) that if you select bandstack a on 80M this automatically means bandstack a is active for all other bands... The bandstack location (a,b,c,d) should be decoupled between bands.
> >
> >
> > Hope this helps
> >
> > 73 Onno
> >
>

6875. Orion II - screen problem on startup

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-25 08:05:44 UTC
From: akipete
Topic: 6875 Message: 6875

Hi all,

I have an Orion II which recently developed a problem with the display. The display is completely white for about 4 or 5 minutes after turning on the radio, though in this period the radio sounds like it is doing all the right things....there is silence during the short boot-up process, and then the audio cuts in...if the last used frequency is active, the RX is clear. It is "just" (?) that the screen is white (makes the rig rather challenging to use).
After this "warm up" period, the display is completely normal, however this is only after power off/back on in the warm state.

I notice in this User Group messages (around message #5759) that a similar problem occurred with the Orion I. The suggestion for the Orion I was to replace the R702 potentiometer and the C900 capacitor on the A9 board. The member raising the issue received more than one response.

Has anybody had a similar experience with the Orion II, and if so, what was the cure? The same as above, or something else? Does anybody know if the fix for the Orion I would be the same as for the Orion II?

6876. Orion II heat sink temperature

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-25 16:23:26 UTC
From: floydsense
Topic: 6876 Message: 6876

Does anyone have info on the Orion II heat sink design temperature? I'm looking for things like: normal operating temperature with transmitter not active, maximum operating temperature, etc. Need data for heat sink without the TenTec cooling fan installed.

73, K8AC

6877. gotta say it - Orion II ears

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-25 16:51:22 UTC
From: Michael W Elliott
Topic: 6877 Message: 6877

After comparing setting with Daniel - V02FF I set my Orion II up with different settings and WOW what a diff

pulling out the really weak ones that can hear me but I had difficulty hearing them

Dramatic difference and I am working things on bands that I had given up on with weak signals and, QRN and QRM

Its like I got a new life in this rig

No thoughts of adding a new rig at least for the moment.

de
Mike

The DSP setting made a ton of difference

Michael W. Elliott
"THE INSIDE ADVANTAGE" -
RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri

6878. Re: [orion565] gotta say it - Orion II ears

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-25 18:26:07 UTC
From: gary strong
Topic: 6877 Message: 6878

Mike,
we're trying to keep a spreadsheet of different members settings. Would you mind going to the files menu and updating the spreadsheet and sending it back to me? I'll also send you a copy to your direct email address.

thanks!

Gary KO?Q

On Mon, Apr 25, 2011 at 11:51 AM, Michael W Elliott <kq0b@...>wrote:

>
>
> After comparing setting with Daniel - V02FF I set my Orion II up with
> different settings and WOW what a diff
>
> pulling out the really weak ones that can hear me but I had difficulty
> hearing them
>
> Dramatic difference and I am working things on bands that I had given up on
> with weak signals and, QRN and QRM
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> Its like I got a new life in this rig
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> No thoughts of adding a new rig at least for the moment.
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> de
> Mike
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> Michael W. Elliott
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> Servant to Bridgett, Collin and all my Creditors
> St. Louis County Missouri
>
>

[Non-text portions of this message have been removed]

6879. Re: [orion565] gotta say it - Orion II ears

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-25 21:17:29 UTC
From: mcelmer1
Topic: 6877 Message: 6879

Could you refer me to the document with the settings/numbers?

Regards,

Mike
W8TRN
----- Original Message -----
From: "gary strong" <gstrongx@gmail.com>
To: <orion565@yahoogroups.com>
Sent: Monday, April 25, 2011 12:26 PM
Subject: Re: [orion565] gotta say it - Orion II ears

Mike,
we're trying to keep a spreadsheet of different members settings. Would you
mind going to the files menu and updating the spreadsheet and sending it
back to me? I'll also send you a copy to your direct email address.

thanks!

Gary KOØQ

On Mon, Apr 25, 2011 at 11:51 AM, Michael W Elliott
<kq0b@...>wrote:

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> with weak signals and, QRN and QRM
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> No thoughts of adding a new rig at least for the moment.
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>
>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

6880. Re: [orion565] gotta say it - Orion II ears

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-26 02:20:11 UTC
From: gary strong
Topic: 6877 Message: 6880

Mike,
go to Yahoo Groups for Orion565. Login to the group (your a member since
you use the list), and go to the files menu. Its at the bottom under my
name and its an Excel Spreadsheet. I've attached a copy to this email if
you can't find it.

Gary

On Mon, Apr 25, 2011 at 4:17 PM, mcelmer1 <mcelmer1@...> wrote:

>
>
> Could you refer me to the document with the settings/numbers?
>
> Regards,
>
> Mike
> W8TRN
> ----- Original Message -----
> From: "gary strong" <gstrongx@...>
> To: <orion565@yahoogroups.com>
> Sent: Monday, April 25, 2011 12:26 PM
> Subject: Re: [orion565] gotta say it - Orion II ears
>
> Mike,
> we're trying to keep a spreadsheet of different members settings. Would you
> mind going to the files menu and updating the spreadsheet and sending it
> back to me? I'll also send you a copy to your direct email address.
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> thanks!
>
> Gary KO?Q
>
> On Mon, Apr 25, 2011 at 11:51 AM, Michael W Elliott
> <kq0b@...>wrote:
>
> >
> >
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> > pulling out the really weak ones that can hear me but I had difficulty
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> > Dramatic difference and I am working things on bands that I had given up
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> > No thoughts of adding a new rig at least for the moment.
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

6881. Re: [orion565] gotta say it - Orion II ears

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-26 09:59:43 UTC
From: MSport 325
Topic: 6877 Message: 6881

Im having trouble accessing these files. Can someone pls email me the rx
settings please.
thanks

On Mon, Apr 25, 2011 at 9:51 AM, Michael W Elliott <kq0b@...>wrote:

>
>
> After comparing setting with Daniel - V02FF I set my Orion II up with
> different settings and WOW what a diff
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> pulling out the really weak ones that can hear me but I had difficulty
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> Dramatic difference and I am working things on bands that I had given up on
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> No thoughts of adding a new rig at least for the moment.
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>
>

[Non-text portions of this message have been removed]

6882. Re: [orion565] gotta say it - Orion II ears

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-26 16:04:57 UTC
From: Michael W Elliott
Topic: 6877 Message: 6882

I have sent back my answers to Gary and he will publish. One central point to get the info

think its better to let him show the spread sheet as I am not the author

my answers are incorporated in his detail sheet

I believe he will put on the Orion user group page

Mike(w8trn) if you need to contact me off line I am here

thanks guys

Michael W. Elliott
"THE INSIDE ADVANTAGE"   -
RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri

--- On Mon, 4/25/11, mcelmer1 <mcelmer1@...> wrote:

From: mcelmer1 <mcelmer1@...>
Subject: Re: [orion565] gotta say it - Orion II ears
To: orion565@yahoogroups.com
Date: Monday, April 25, 2011, 4:17 PM

Could you refer me to the document with the settings/numbers?

Regards,

Mike

W8TRN

----- Original Message -----

From: "gary strong" <gstrongx@gmail.com>

To: <orion565@yahoogroups.com>

Sent: Monday, April 25, 2011 12:26 PM

Subject: Re: [orion565] gotta say it - Orion II ears

Mike,

we're trying to keep a spreadsheet of different members settings. Would you

mind going to the files menu and updating the spreadsheet and sending it

back to me? I'll also send you a copy to your direct email address.

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Gary KOØQ

On Mon, Apr 25, 2011 at 11:51 AM, Michael W Elliott

<kq0b@...>wrote:

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[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

6883. Re: [orion565] gotta say it - Orion II ears

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-26 23:05:54 UTC
From: mcelmer1
Topic: 6877 Message: 6883

Gary,

The last file I see is dated 25 Dec 2010.

Mike
W8TRN
----- Original Message -----
From: "gary strong" <gstrongx@...>
To: <orion565@yahoogroups.com>; <mcelmer1@...>
Sent: Monday, April 25, 2011 8:20 PM
Subject: Re: [orion565] gotta say it - Orion II ears

Mike,
go to Yahoo Groups for Orion565. Login to the group (your a member since
you use the list), and go to the files menu. Its at the bottom under my
name and its an Excel Spreadsheet. I've attached a copy to this email if
you can't find it.

Gary

On Mon, Apr 25, 2011 at 4:17 PM, mcelmer1 <mcelmer1@...> wrote:

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> Could you refer me to the document with the settings/numbers?
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> Regards,
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> Mike
> W8TRN
> ----- Original Message -----
> From: "gary strong" <gstrongx@...>
> To: <orion565@yahoogroups.com>
> Sent: Monday, April 25, 2011 12:26 PM
> Subject: Re: [orion565] gotta say it - Orion II ears
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> Mike,
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> back to me? I'll also send you a copy to your direct email address.
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> Gary KOØQ
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> On Mon, Apr 25, 2011 at 11:51 AM, Michael W Elliott
> <kq0b@...>wrote:
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

6884. Orion II spectrum display problem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-27 03:21:44 UTC
From: Tony Sokol
Topic: 6884 Message: 6884

Hi Gang,

I have been noticing that the spectrum display on my Orion II sometimes has very low sensitivity. At times a 30 over 9 signal barely shows a pip. Tonight with all of the QRN it was really noticeable when the noise would suddenly drop to almost nothing when the meter is showing a solid 25+ over 9 noise level. I seem to be able to get it back scrolling through the band stack registers for that band. This is an intermittent problem and the drop is sudden and then it pops up back to normal after a while. Before I call Ten Tec I need to ask if anyone else has had this happen? Am I missing something here?

Thanks
Tony - W9JXN

6885. RE: [orion565] Orion II spectrum display problem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-27 11:57:56 UTC
From: art davis
Topic: 6884 Message: 6885

I've noticed theh same thing here on a regular basis. Sometimes all I have to do is to key the TX with a tap of the key or change bands momentarily to "wake it up". It seems to not be related to the version of firmware installed.
Post if you find a cure.

Art N4UC

To: orion565@yahoogroups.com
From: tonysokol@...
Date: Tue, 26 Apr 2011 22:21:44 -0500
Subject: [orion565] Orion II spectrum display problem

Hi Gang,

I have been noticing that the spectrum display on my Orion II

sometimes has very low sensitivity. At times a 30 over 9 signal barely

shows a pip. Tonight with all of the QRN it was really noticeable when

the noise would suddenly drop to almost nothing when the meter is

showing a solid 25+ over 9 noise level. I seem to be able to get it

back scrolling through the band stack registers for that band. This is

an intermittent problem and the drop is sudden and then it pops up back

to normal after a while. Before I call Ten Tec I need to ask if anyone

else has had this happen? Am I missing something here?

Thanks

Tony - W9JXN

[Non-text portions of this message have been removed]

6886. Re: Orion II spectrum display problem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-27 13:48:37 UTC
From: John
Topic: 6884 Message: 6886

Tony and Art,

What version of firmware are you using?
I'll see if I can recreate it at TenTec.

Note, in case you don't know, firmware version is seen when you turn on the 565. The latest version of the 566 is 2.044A. If you are not using that version, you are welcome to try it out and see if the problem remains.

Thanks,
John Henry

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:
>
>
> I've noticed theh same thing here on a regular basis. Sometimes all I have to do is to key the TX with a tap of the key or change bands momentarily to "wake it up". It seems to not be related to the version of firmware installed.
> Post if you find a cure.
>
> Art N4UC
>
> To: orion565@yahoogroups.com
> From: tonysokol@...
> Date: Tue, 26 Apr 2011 22:21:44 -0500
> Subject: [orion565] Orion II spectrum display problem
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> Hi Gang,
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> the noise would suddenly drop to almost nothing when the meter is
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> showing a solid 25+ over 9 noise level. I seem to be able to get it
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> back scrolling through the band stack registers for that band. This is
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> to normal after a while. Before I call Ten Tec I need to ask if anyone
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> else has had this happen? Am I missing something here?
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> Thanks
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> Tony - W9JXN
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6887. Re: [orion565] Re: Orion II spectrum display problem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-27 20:21:06 UTC
From: Tony Sokol
Topic: 6884 Message: 6887

John,

My 566 is using 2.044A and so far I really like it. Sometimes
it will work fine for quite a while and then all of a sudden it drops
like a rock! Then it's on again off again for the duration. How about
yours Art?

Tony - W9JXN

On 4/27/2011 8:48 AM, John wrote:
>
> Tony and Art,
>
> What version of firmware are you using?
> I'll see if I can recreate it at TenTec.
>
> Note, in case you don't know, firmware version is seen when you turn
> on the 565. The latest version of the 566 is 2.044A. If you are not
> using that version, you are welcome to try it out and see if the
> problem remains.
>
> Thanks,
> John Henry
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>,
> art davis <n4uc@...> wrote:
> >
> >
> > I've noticed theh same thing here on a regular basis. Sometimes all
> I have to do is to key the TX with a tap of the key or change bands
> momentarily to "wake it up". It seems to not be related to the version
> of firmware installed.
> > Post if you find a cure.
> >
> > Art N4UC
> >
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > From: tonysokol@...
> > Date: Tue, 26 Apr 2011 22:21:44 -0500
> > Subject: [orion565] Orion II spectrum display problem
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> > to normal after a while. Before I call Ten Tec I need to ask if anyone
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> > else has had this happen? Am I missing something here?
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> > Thanks
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> > Tony - W9JXN
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6888. Re: Orion II spectrum display problem

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-29 20:50:38 UTC
From: k1fpv
Topic: 6884 Message: 6888

Hi Tony,

FYI, I have never encountered that problem with my Orion II and I have been using 2.044A since it came out. The worst problem I have encountered is a couple bad caps on the Power Distribution board. I replaced them with high ESR caps. The only other thing was a dirty controller.

For me, this rig has for all intensive purposes been trouble free. I use it an average of maybe 10 to 15 hours per week.

Bill/K1FPV

--- In orion565@yahoogroups.com, Tony Sokol <tonysokol@...> wrote:
>
> John,
>
> My 566 is using 2.044A and so far I really like it. Sometimes
> it will work fine for quite a while and then all of a sudden it drops
> like a rock! Then it's on again off again for the duration. How about
> yours Art?
>
> Tony - W9JXN
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> On 4/27/2011 8:48 AM, John wrote:
> >
> > Tony and Art,
> >
> > What version of firmware are you using?
> > I'll see if I can recreate it at TenTec.
> >
> > Note, in case you don't know, firmware version is seen when you turn
> > on the 565. The latest version of the 566 is 2.044A. If you are not
> > using that version, you are welcome to try it out and see if the
> > problem remains.
> >
> > Thanks,
> > John Henry
> >
> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>,
> > art davis <n4uc@> wrote:
> > >
> > >

> > > I've noticed theh same thing here on a regular basis. Sometimes all
> > I have to do is to key the TX with a tap of the key or change bands
> > momentarily to "wake it up". It seems to not be related to the version
> > of firmware installed.
> > > Post if you find a cure.
> > >
> > > Art N4UC
> > >
> > > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > > From: tonysokol@
> > > Date: Tue, 26 Apr 2011 22:21:44 -0500
> > > Subject: [orion565] Orion II spectrum display problem
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> > > Hi Gang,
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> > > the noise would suddenly drop to almost nothing when the meter is
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> > > showing a solid 25+ over 9 noise level. I seem to be able to get it
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> > > back scrolling through the band stack registers for that band. This is
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> > > else has had this happen? Am I missing something here?
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> > > Thanks
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> > > Tony - W9JXN
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6889. Non functioning S Meter

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-30 16:14:17 UTC
From: Ron Davies
Topic: 6889 Message: 6889

I finally got round to getting the Orion 565 modification done to support 2.x firmware and it is up and running O K except that the 'S' meter although illuminated is inoperative. I have checked that it is physically connected and I guess that the illumination would be off anyway otherwise as there are four leads into the meter.I know that the meter is software driven in Version 2.064 x11 of the software and guess that there must be some setting I am missing. Any suggestions gratefully received.
Ron G0WJX

[Non-text portions of this message have been removed]

6890. Re: [orion565] Non functioning S Meter

Yahoo group: orion565 (2009 — 2013)
Date: 2011-04-30 18:52:01 UTC
From: Barry N1EU
Topic: 6889 Message: 6890

Does the S-meter just stay at 0 or ???

Barry N1EU

On Sat, Apr 30, 2011 at 4:14 PM, Ron Davies <rong0wjx@...> wrote:

>
>
> I finally got round to getting the Orion 565 modification done to support
> 2.x firmware and it is up and running O K except that the 'S' meter although
> illuminated is inoperative. I have checked that it is physically connected
> and I guess that the illumination would be off anyway otherwise as there are
> four leads into the meter.I know that the meter is software driven in
> Version 2.064 x11 of the software and guess that there must be some setting
> I am missing. Any suggestions gratefully received.
> Ron G0WJX
>
> [Non-text portions of this message have been removed]
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6891. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-01 03:38:19 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 6891

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /OrionSettings-K0OQ-GaryStrong-Updated.xls
Uploaded by : ko0q_gary <gstrongx@...>
Description : Current Orion II settings file by several owners.

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/OrionSettings-K0OQ-GaryStrong-Updated.xls

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

ko0q_gary <gstrongx@...>

6892. Spreadsheet settings

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-01 10:01:38 UTC
From: Barry N1EU
Topic: 6892 Message: 6892

The spreadsheet uploaded contains TX settings for two users. Both these users have CW Rise/Fall set for 5msec. This setting will result in transmit key clicks. This topic has been discussed extensively on the main Ten-Tec reflector (e.g., see thread starting at http://lists.contesting.com/_tentec/2007-03/msg00211.html). The actual rise time is about half of the value indicated in the menu. Please don't copy this spreadsheet setting of 5msec - instead, use 8msec.

73, Barry N1EU

On Sun, May 1, 2011 at 3:38 AM, <orion565@yahoogroups.com> wrote:

>
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the orion565
> group.
>
> File : /OrionSettings-K0OQ-GaryStrong-Updated.xls
> Uploaded by : ko0q_gary <gstrongx@...>
> Description : Current Orion II settings file by several owners.
>
> You can access this file at the URL:
>
> http://groups.yahoo.com/group/orion565/files/OrionSettings-K0OQ-GaryStrong-Updated.xls
>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> Regards,
>
> ko0q_gary <gstrongx@...>
>
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[Non-text portions of this message have been removed]

6893. Re: Spreadsheet settings

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-01 13:13:31 UTC
From: floydsense
Topic: 6892 Message: 6893

Barry - I'm a recent newcomer to the Orion and hadn't yet run across W4ZV's comment on the rise time settings. I was curious as to whether any improvement had been made in the Orion II in the four years since those comments.

So, I recorded the Orion II's CW waveform and observed the actual rise time at various settings of the Orion's "CW Rise/Fall" menu parameter. I found that the actual rise time maps very closely to the menu setting. I don't know what the accepted definition of rise time is today, but I recall seeing one definition that explained it as the time it took the waveform to reach something like 66% of the maximum value. I found the Orion II settings to reflect the time it takes to reach about 100% of the maximum value, so depending on the definition used, the settings today are either accurate or just a bit short. Certainly, not 50% off.

In listening to the keying sidebands on a separate receiver, they clearly pick up with shorter settings of the rise/fall time, and clicks are not detectable at the 10 ms setting. I don't recall ever seeing a quantified level of acceptable clicks, but my Orion II at anything over 5 ms sounds pretty good.

Recently I spent a few days with an FTDX-5000 and recorded the CW waveforms for both QSK and non-QSK modes. They were the worst I'd seen (even in non-QSK mode) and the menu rise time adjustment on that rig had zero affect on the rise time, although at the minimum 1 ms setting the front of the waveform was much more rounded than at the longest setting! Needless to say, at least the unit I had was true to the Yaesu click-generating tradition.

I wonder if anyone knows for sure that Tec Tec improved the rise/time setting performance in firmware over the past 4 years?

73, Floyd - K8AC

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> The spreadsheet uploaded contains TX settings for two users. Both these
> users have CW Rise/Fall set for 5msec. This setting will result in transmit
> key clicks. This topic has been discussed extensively on the main Ten-Tec
> reflector (e.g., see thread starting at
> http://lists.contesting.com/_tentec/2007-03/msg00211.html). The actual
> rise time is about half of the value indicated in the menu. Please don't
> copy this spreadsheet setting of 5msec - instead, use 8msec.
>
> 73, Barry N1EU
>

6894. Re: [orion565] Spreadsheet settings

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-01 14:42:31 UTC
From: gary strong
Topic: 6892 Message: 6894

Barry,
as the owner of the spreadsheet, would you mind sending me your settings?
I'd be glad to put them on the spreadsheet for others to try. I've never
had any reports that I had key clicks, but after your advice I changed mine
to 8msec this morning.

Gary KO?Q

On Sun, May 1, 2011 at 5:01 AM, Barry N1EU <barry.n1eu@...> wrote:

>
>
> The spreadsheet uploaded contains TX settings for two users. Both these
> users have CW Rise/Fall set for 5msec. This setting will result in transmit
> key clicks. This topic has been discussed extensively on the main Ten-Tec
> reflector (e.g., see thread starting at
> http://lists.contesting.com/_tentec/2007-03/msg00211.html). The actual
> rise time is about half of the value indicated in the menu. Please don't
> copy this spreadsheet setting of 5msec - instead, use 8msec.
>
> 73, Barry N1EU
>
> On Sun, May 1, 2011 at 3:38 AM, <orion565@yahoogroups.com> wrote:
>
> > >
> > >
> > >
> > > Hello,
> > >
> > > This email message is a notification to let you know that
> > > a file has been uploaded to the Files area of the orion565
> > > group.
> > >
> > > File : /OrionSettings-K0OQ-GaryStrong-Updated.xls
> > > Uploaded by : ko0q_gary <gstrongx@...>
> > > Description : Current Orion II settings file by several owners.
> > >
> > > You can access this file at the URL:
> > >
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> > http://groups.yahoo.com/group/orion565/files/OrionSettings-K0OQ-GaryStrong-Updated.xls
> > >
> > > To learn more about file sharing for your group, please visit:
> > > http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> > > Regards,
> > >

> > ko0q_gary <gstrongx@...>
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> [Non-text portions of this message have been removed]
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6895. Re: [orion565] Re: Spreadsheet settings

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-01 15:28:06 UTC
From: Barry N1EU
Topic: 6892 Message: 6895

To the best of my knowledge, and I've been involved with v1 and v2 beta testing, no changes have been made to cw waveform shaping. Several of us also encouraged Ten-Tec to change the default setting upward from 5msec. The easy fix is to just adjust the setting to 8msec. That sure beats other radios that require an actual hardware change to improve their bad keyclicks.

The value of 7-8msec minimum setting for rise time was found mainly be a lot of observations on loud 160M signals. Many of the big topband dx'ers 5 years ago were using Orions and the difference between 5msec and 8msec setting was clearly heard. It was also observed that there was no deterious effects on the readability of your 8msec signals by remote dx stations.

73, Barry N1EU

On Sun, May 1, 2011 at 1:13 PM, floydsense <floyd@...> wrote:

>
>
> Barry - I'm a recent newcomer to the Orion and hadn't yet run across W4ZV's
> comment on the rise time settings. I was curious as to whether any
> improvement had been made in the Orion II in the four years since those
> comments.
>
> So, I recorded the Orion II's CW waveform and observed the actual rise time
> at various settings of the Orion's "CW Rise/Fall" menu parameter. I found
> that the actual rise time maps very closely to the menu setting. I don't
> know what the accepted definition of rise time is today, but I recall seeing
> one definition that explained it as the time it took the waveform to reach
> something like 66% of the maximum value. I found the Orion II settings to
> reflect the time it takes to reach about 100% of the maximum value, so
> depending on the definition used, the settings today are either accurate or
> just a bit short. Certainly, not 50% off.
>
> In listening to the keying sidebands on a separate receiver, they clearly
> pick up with shorter settings of the rise/fall time, and clicks are not
> detectable at the 10 ms setting. I don't recall ever seeing a quantified
> level of acceptable clicks, but my Orion II at anything over 5 ms sounds
> pretty good.
>
> Recently I spent a few days with an FTDX-5000 and recorded the CW waveforms
> for both QSK and non-QSK modes. They were the worst I'd seen (even in
> non-QSK mode) and the menu rise time adjustment on that rig had zero affect
> on the rise time, although at the minimum 1 ms setting the front of the
> waveform was much more rounded than at the longest setting! Needless to say,
> at least the unit I had was true to the Yaesu click-generating tradition.

>
> I wonder if anyone knows for sure that Tec Tec improved the rise/time
> setting performance in firmware over the past 4 years?
>
> 73, Floyd - K8AC
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
> >
> > The spreadsheet uploaded contains TX settings for two users. Both these
> > users have CW Rise/Fall set for 5msec. This setting will result in
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> > key clicks. This topic has been discussed extensively on the main Ten-Tec
> > reflector (e.g., see thread starting at
> > http://lists.contesting.com/_tentec/2007-03/msg00211.html). The actual
> > rise time is about half of the value indicated in the menu. Please don't
> > copy this spreadsheet setting of 5msec - instead, use 8msec.
> >
> > 73, Barry N1EU
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[Non-text portions of this message have been removed]

6896. Some additional photos for VE7TK Orion IF tap modification

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-01 17:31:04 UTC
From: floydsense
Topic: 6896 Message: 6896

I added a couple of photos to the photo page relating to installation of the Z10000U buffer amp in my Orion II. VE7TK talks about where to obtain the 12 VDC for the buffer, but didn't show a photo. The amp as received from Jack Smith included a 6" length of red wire for the buffer power, but of course that was far too short to reach the plug strip, adding to my confusion. One of the photos shows the connection I made to the strip.

The other photo shows how I terminated the end of the coax run to the Spare jack on the Orion II rear panel. You can solder the coax to the rear of the board as VE7TK showed, or you can find one of the little coax plugs and just plug into the empty connector as I did in the photo. This type of connector is used internally in Kenwoods, Icoms and Yaesus and you might be able to obtain a couple of the plugs from one of those sources.

73, Floyd - K8AC

6897. Re: [orion565] Some additional photos for VE7TK Orion IF tap modification

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-01 18:01:03 UTC
From: Billy Cox
Topic: 6896 Message: 6897

Great photos and information Floyd!

Another source for the TMP style plugs,
sockets, and cables is INRAD ...

http://www.inrad.net/home.php?cat=163

73 de Billy, AA4NU

-----Original Message-----
>From: floydsense <floyd@...>

>I added a couple of photos to the photo page relating to installation of the Z10000U buffer amp in my Orion II. VE7TK talks about where to obtain the 12 VDC for the buffer, but didn't show a photo. The amp as received from Jack Smith included a 6" length of red wire for the buffer power, but of course that was far too short to reach the plug strip, adding to my confusion. One of the photos shows the connection I made to the strip.
>
>The other photo shows how I terminated the end of the coax run to the Spare jack on the Orion II rear panel. You can solder the coax to the rear of the board as VE7TK showed, or you can find one of the little coax plugs and just plug into the empty connector as I did in the photo. This type of connector is used internally in Kenwoods, Icoms and Yaesus and you might be able to obtain a couple of the plugs from one of those sources.
>
>73, Floyd - K8AC

6898. Re: Non functioning S Meter

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-02 10:56:24 UTC
From: pa1ap
Topic: 6889 Message: 6898

To my knowledge the S-meter is driven by 8 bit DAC and although firmware could drive the DAC differently I have not seen the S-meter being inoperative.

I can only suggest to check the following;

1) perform mem clear and master reset

2) check if the s-meter is broken using multimeter (murphies law)

3) connect a computer to serial port and read out the s-meter values. Those values should deviate with the signal strength. Serial command ?S

4) the V2 hw modification -> does the menu confirm V2 mod is performed? Press menu for 10 seconds or so and you will see a message. This does not confirm everything went well, but provides first check. Perhaps check if you did not cross a soldering somewhere near the V2 mod....

Hope this helps,

Best regards, Onno

--- In orion565@yahoogroups.com, Ron Davies <rong0wjx@...> wrote:
>
> I finally got round to getting the Orion 565 modification done to support 2.x firmware and it is up and running O K except that the 'S' meter although illuminated is inoperative. I have checked that it is physically connected and I guess that the illumination would be off anyway otherwise as there are four leads into the meter.I know that the meter is software driven in Version 2.064 x11 of the software and guess that there must be some setting I am missing. Any suggestions gratefully received.
> Ron G0WJX
>
> [Non-text portions of this message have been removed]
>

6901. noise reduction and signal enhancement

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-09 17:04:55 UTC
From: k0xb3
Topic: 6901 Message: 6901

This may be known to others, but I don't think I've seen it described before. In any case, here's what seems to be an effective technique for pulling signals out of noise. I'm using firmware version 2.044A.

I've used NR with mixed results in the past. Sometimes it worked great, and other times it didn't seem to help at all. But the other day, I noticed if I adjust the RFGAIN control at the same time I have NR turned on, there is often a "sweet spot" where a signal I could hardly read pops out of the noise and becomes easliy readable. My experience is mosty on CW, but this seems to help with SSB too.

73, Rick K0XB

6902. FS** Ten Tec Orion II custom dust cover **

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-09 22:22:03 UTC
From: stan_clewett
Topic: 6902 Message: 6902

Hi Gang.
I have for sale one of my new ELITE series dust covers. This was used as a demo model, but you can not tell it from new. Price is $55.00 shipped in the CONUS. Shipping anywhere else in the world is $14.00.

PLEASE DO NOT RESPOND HERE ON THE GROUP

Contact me directly at: stan "AT" radiodustcovers.com or via my website: www.radiodustcovers.com

You can see a picture of the cover style in the PHOTOS section.

Take care,Stan W6ON

6903. (no subject)

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-11 09:59:25 UTC
From: Ron Anderson
Topic: 6903 Message: 6903

http://fantasy.ne.kr/ewm.php

[Non-text portions of this message have been removed]

6904. Re: [orion565] noise reduction and signal enhancement

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-11 11:23:04 UTC
From: Bob McGraw - K4TAX
Topic: 6901 Message: 6904

In most cases with DSP based radios one should optimize the system by adjusting the RF Gain according to band conditions and antenna system. Rarely is it necessary or is it even suggested to run the RF Gain at maximum. In other words, back the RF Gain waaaayyyy down to find that weak signals will simply pop out of the noise.

73
Bob, K4TAX

----- Original Message -----
From: k0xb3
To: orion565@yahoogroups.com
Sent: Monday, May 09, 2011 12:04 PM
Subject: [orion565] noise reduction and signal enhancement

This may be known to others, but I don't think I've seen it described before. In any case, here's what seems to be an effective technique for pulling signals out of noise. I'm using firmware version 2.044A.

I've used NR with mixed results in the past. Sometimes it worked great, and other times it didn't seem to help at all. But the other day, I noticed if I adjust the RFGAIN control at the same time I have NR turned on, there is often a "sweet spot" where a signal I could hardly read pops out of the noise and becomes easliy readable. My experience is mosty on CW, but this seems to help with SSB too.

73, Rick K0XB

[Non-text portions of this message have been removed]

6905. Re: [orion565] (unknown)

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-11 12:45:28 UTC
From: tnnyswy@yahoo.com
Topic: 6903 Message: 6905

This could be a trojan!!!
Do Not Open

(((73))) Milverton.
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: Ron Anderson <nor7125@...>
Sender: orion565@yahoogroups.com
Date: Wed, 11 May 2011 02:59:25
To: <orion565@yahoogroups.com>; <Elecraft_K3-unsubscribe@yahoogroups.com>;
<elecraft-request@...>; <ic7200-unsubscribe@...>
Reply-To: orion565@yahoogroups.com
Subject: [orion565] (unknown)

http://fantasy.ne.kr/ewm.php

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6906. MOD'd orion SPARE RCA for antenna output for SDR-IQ

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-14 16:05:57 UTC
From: saukp
Topic: 6906 Message: 6906

i have uploaded a pdf file which shows my mod to the orion to use the SPARE RCA connector on the rear as antenna output

file name is orion_mod_spare.pdf

this is a simple plug-n-play mod..NO SOLDERING required

i did this mod to enable the SDR-IQ to use the same antenna as the orion's sub receiver

cost was $45 for custom cables by RFconnectors
and
$30 for the rfsplitter(1-100mhz) off ebay

now have a reatime panadapter
and
three receiver capability
and
more receiver capability when sdr-radio s/w gets updated

multi-receivers to help sort out the pileup when trying to figure out
where a dx station is listening

enjoy

be glad to answer any questions

Paul K3SF

6907. Re: MOD'd orion SPARE RCA for antenna output for SDR-IQ

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-14 16:27:24 UTC
From: floydsense
Topic: 6906 Message: 6907

I'd be interested in hearing how you think the SDR-IQ performs on 12 and 10 meters. I have used a similar setup with my FT-1000MP Mark V, feeding the SDR-IQ through a splitter. When 12 and 10M opened up a bit, I noticed that weak signals that could be heard clearly on the Mark V were not visible on SpectraVue. That was not the case on the lower bands where weak signals could easily be seen when just barely audible. I shipped the SDR-IQ back to RFSPACE for examination and their conclusion was that the SDR-IQ was performing properly.

This is of course a non-issue if one doesn't spend time looking for the very weak stuff. I'm going to try an SDR-IQ again now that I have the Orion II and installed the buffered IF tap, also routed to the spare connector on the rear panel. At the IF frequency of 9 MHz, the SDR-IQ sensitivity was great. I have no idea whether all SDR-IQs lack sensitivity on 12 and 10 meters.

73, Floyd

--- In orion565@yahoogroups.com, "saukp" <saukp@...> wrote:
>
> i have uploaded a pdf file which shows my mod to the orion to use the SPARE RCA connector on the rear as antenna output
>
> file name is orion_mod_spare.pdf
>
> this is a simple plug-n-play mod..NO SOLDERING required
>
> i did this mod to enable the SDR-IQ to use the same antenna as the orion's sub receiver
>
> cost was $45 for custom cables by RFconnectors
> and
> $30 for the rfsplitter(1-100mhz) off ebay
>
>
> now have a reatime panadapter
> and
> three receiver capability
> and
> more receiver capability when sdr-radio s/w gets updated
>
> multi-receivers to help sort out the pileup when trying to figure out
> where a dx station is listening
>
>
> enjoy
>
> be glad to answer any questions
>
> Paul K3SF

>

6908. Re: MOD'd orion SPARE RCA for antenna output for SDR-IQ

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-14 16:50:48 UTC
From: saukp
Topic: 6906 Message: 6908

hi floyd

have not tried the sdr-iq on 12 n 10 m yet..

mostly 20 and 17 m..seems pretty good there
have not tried weak signal hunting yet..mostly using it to sort thru dx pileups..

i did not bring the 9mhz if out but tapped into the antenna system
for the sub receiver...i still need to get rs-232 cable to go from the sdr-iq to the orion to get them to track automagically..

when i get more operating time will see how the sdr-iw does weak signal wise..and let you know

still kinda new to sdr arena only had the sdr-iq since christmas
and as usual works seems to get in the way of hamming ;-))

i am able to run the sdr-iq natively on my iMac and in vmware fusion as a virtual PC running XP... i use cutesdr in the mac environment
and both sdr-radio and spectravue in the virtual pc environment.

so as you can see i am still in the experimental mode

paul k3sf

--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
> I'd be interested in hearing how you think the SDR-IQ performs on 12 and 10 meters. I have used a similar setup with my FT-1000MP Mark V, feeding the SDR-IQ through a splitter. When 12 and 10M opened up a bit, I noticed that weak signals that could be heard clearly on the Mark V were not visible on SpectraVue. That was not the case on the lower bands where weak signals could easily be seen when just barely audible. I shipped the SDR-IQ back to RFSPACE for examination and their conclusion was that the SDR-IQ was performing properly.
>
> This is of course a non-issue if one doesn't spend time looking for the very weak stuff. I'm going to try an SDR-IQ again now that I have the Orion II and installed the buffered IF tap, also routed to the spare connector on the rear panel. At the IF frequency of 9 MHz, the SDR-IQ sensitivity was great. I have no idea whether all SDR-IQs lack sensitivity on 12 and 10 meters.
>
> 73, Floyd
>
> --- In orion565@yahoogroups.com, "saukp" <saukp@> wrote:
> >
> > i have uploaded a pdf file which shows my mod to the orion to use the SPARE RCA connector on the rear as antenna output
> >

> > file name is orion_mod_spare.pdf
> >
> > this is a simple plug-n-play mod..NO SOLDERING required
> >
> > i did this mod to enable the SDR-IQ to use the same antenna as the orion's sub receiver
> >
> > cost was $45 for custom cables by RFconnectors
> > and
> > $30 for the rfsplitter(1-100mhz) off ebay
> >
> >
> > now have a reatime panadapter
> > and
> > three receiver capability
> > and
> > more receiver capability when sdr-radio s/w gets updated
> >
> > multi-receivers to help sort out the pileup when trying to figure out
> > where a dx station is listening
> >
> >
> > enjoy
> >
> > be glad to answer any questions
> >
> > Paul K3SF
> >
>

6909. Re: MOD'd orion SPARE RCA for antenna output for SDR-IQ

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-14 17:09:59 UTC
From: floydsense
Topic: 6906 Message: 6909

There's another option for "slaving" the SDR-IQ to the Orion from the standpoint of frequency control, but it won't be attractive to everyone. I use DXLab for logging, DX spotting, etc. and it includes a "secondary CAT" capability. So, you'd connect the Orion on one of the CAT ports and the SDR-IQ to the other. Then in DXLab (the Commander module does the rig control), you can set an option to cause frequency changes from either rig to be sent to the other. So, tuning the Orion would result in the SDR-IQ following and mousing on a signal in SpectraVue would result in the Orion being set to that frequency.

At this point, I haven't used this capability myself with the Orion II and SDR-IQ, but will implement that in the next couple of weeks. I have used it with an FT-1000MP Mark V and Icom 756 Pro III and it worked flawlessly. A bit weird to tune the Icom and watch the Yaesu follow, and vice versa. And when you mouse on a DX spot, both rigs are set to the spot frequency.

The only downside is that the DXLab suite in its entirety is complex and takes some time to learn. The upside - it's FREE, and things work as advertised. The documentation is superb, and the author responds to problems very quickly via the Yahoo Group.

73, Floyd

--- In orion565@yahoogroups.com, "saukp" <saukp@...> wrote:
>
>
> hi floyd
>
> have not tried the sdr-iq on 12 n 10 m yet..
>
> mostly 20 and 17 m..seems pretty good there
> have not tried weak signal hunting yet..mostly using it to sort thru dx pileups..
>
> i did not bring the 9mhz if out but tapped into the antenna system
> for the sub receiver...i still need to get rs-232 cable to go from the sdr-iq to the orion to get them to track automagically..
>
> when i get more operating time will see how the sdr-iw does weak signal wise..and let you know
>
> still kinda new to sdr arena only had the sdr-iq since christmas
> and as usual works seems to get in the way of hamming ;-))
>
> i am able to run the sdr-iq natively on my iMac and in vmware fusion as a virtual PC running XP... i use cutesdr in the mac environment
> and both sdr-radio and spectravue in the virtual pc environment.
>
> so as you can see i am still in the experimental mode
>

> paul k3sf
>
>
>
>
>
>
> --- In orion565@yahoogroups.com, "floydsense" <floyd@> wrote:
> >
> > I'd be interested in hearing how you think the SDR-IQ performs on 12 and 10 meters. I have used a similar setup with my FT-1000MP Mark V, feeding the SDR-IQ through a splitter. When 12 and 10M opened up a bit, I noticed that weak signals that could be heard clearly on the Mark V were not visible on SpectraVue. That was not the case on the lower bands where weak signals could easily be seen when just barely audible. I shipped the SDR-IQ back to RFSPACE for examination and their conclusion was that the SDR-IQ was performing properly.
> >
> > This is of course a non-issue if one doesn't spend time looking for the very weak stuff. I'm going to try an SDR-IQ again now that I have the Orion II and installed the buffered IF tap, also routed to the spare connector on the rear panel. At the IF frequency of 9 MHz, the SDR-IQ sensitivity was great. I have no idea whether all SDR-IQs lack sensitivity on 12 and 10 meters.
> >
> > 73, Floyd
> >

6911. Re: MOD'd orion SPARE RCA for antenna output for SDR-IQ

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-15 19:24:47 UTC
From: saukp
Topic: 6906 Message: 6911

hi

some people have tied directly into the sub receiver or even the main receiver antenna connection...i would not recommend this approach

the reason i chose the subreceiver was to minimize impact on the main receiver when i want max receive signal to main receiver..simply by switching the sub receiver off the main receiver antenna

also
i used an rfsplitter just like there is a rfsplitter built in to the orion when the main and sub receiver are selected to be on the same antenna. This provides appropriate electrical isolation.

by the way, the rca jack is easily accessible via the tmp connector in the I/O board..no soldering need just right cable to plug into the tmp connector..this connection is shown on the circuit diagram for the i/o board..

paul k3sf

--- In orion565@yahoogroups.com, catfishtwo@... wrote:
>
> My friend KG6TT did something similar. he actually connected a short piece
> of tiny coax to some point in the top back of the orion and ran the other
> end to the same RCA jack. we were using my new felx 1500 as an adapter for
> the CW skimmer software. very clean install.
>
> Tom
> N6AJR
>
>
> In a message dated 5/14/2011 9:06:02 A.M. Pacific Daylight Time,
> saukp@... writes:
>
> i have uploaded a pdf file which shows my mod to the orion to use the
> SPARE RCA connector on the rear as antenna output
>
> file name is orion_mod_spare.pdf
>
> this is a simple plug-n-play mod..NO SOLDERING required
>
> i did this mod to enable the SDR-IQ to use the same antenna as the orion's
> sub receiver
>
> cost was $45 for custom cables by RFconnectors
> and

> $30 for the rfsplitter(1-100mhz) off ebay
>
>
> now have a reatime panadapter
> and
> three receiver capability
> and
> more receiver capability when sdr-radio s/w gets updated
>
> multi-receivers to help sort out the pileup when trying to figure out
> where a dx station is listening
>
>
> enjoy
>
> be glad to answer any questions
>
> Paul K3SF
>
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>
> Yahoo! Groups Links
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> [Non-text portions of this message have been removed]
>

6912. re:

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-16 00:10:39 UTC
From: Ron Anderson
Topic: 6912 Message: 6912

I earned $348 in just a few minutes online. snagged it easily at - http://x.co/XCns - you will be estatic!

6913. RTTY with ORION II

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-16 15:26:52 UTC
From: on5gq
Topic: 6913 Message: 6913

Hi All,

I use my OII mainly in SSB and now I intend to be more QRV in RTTY.
Actually the OII is equipped with a 1.8 kHz filter.
Which additional filter should I buy , 600Hz or 300Hz ?
All comments are welcome

73's

Ben
ON5GQ

6914. Re: RTTY with ORION II

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-17 13:00:23 UTC
From: floydsense
Topic: 6913 Message: 6914

Depending on the kind of operating you plan to do on RTTY (contesting, DXing, etc.) you may just want to wait and see how it works out just using the DSP and setting the bandwidth to around 500 Hz or so.

--- In orion565@yahoogroups.com, "on5gq" <on5gq@...> wrote:
>
> Hi All,
>
> I use my OII mainly in SSB and now I intend to be more QRV in RTTY.
> Actually the OII is equipped with a 1.8 kHz filter.
> Which additional filter should I buy , 600Hz or 300Hz ?
> All comments are welcome
>
> 73's
>
> Ben
> ON5GQ
>

6915. Re: [orion565] Re: RTTY with ORION II

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-17 13:22:50 UTC
From: Larry Menzel
Topic: 6913 Message: 6915

I agree. I have other filters in my OII, but I think you'll find that DSP in the rig will work very well for rtty.

OTOH, the OII is dramatically improved by the addition of the roofing filters. If you do put one in, the 600Hz (2001) roofing filter is what I'd recommend as a first choice.

Larry, W0PR

On Tue, May 17, 2011 at 8:00 AM, floydsense <floyd@...> wrote:

>
>
> Depending on the kind of operating you plan to do on RTTY (contesting,
> DXing, etc.) you may just want to wait and see how it works out just using
> the DSP and setting the bandwidth to around 500 Hz or so.
>
> --- In orion565@yahoogroups.com, "on5gq" <on5gq@...> wrote:
> >
> > Hi All,
> >
> > I use my OII mainly in SSB and now I intend to be more QRV in RTTY.
> > Actually the OII is equipped with a 1.8 kHz filter.
> > Which additional filter should I buy , 600Hz or 300Hz ?
> > All comments are welcome
> >
> > 73's
> >
> > Ben
> > ON5GQ
> >
>
>
>

[Non-text portions of this message have been removed]

6916. Orion/LP-Pan/N4PY Documentation updated

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-17 15:49:49 UTC
From: Rick W
Topic: 6916 Message: 6916

The document LP_Pan.pdf in the files section has been updated. It now includes updated instructions for installing the LP-Pan panadapter with N4PY Orion rig control software and both PowerSDR-IF and TRX-Pan.

As usual comments appreciated.

73,
Rick
VE7TK

Website: http://www.ve7tk.com

[Non-text portions of this message have been removed]

6917. Re: RTTY with ORION II

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-17 17:39:24 UTC
From: Russ
Topic: 6913 Message: 6917

Using AFSK 45.45 baud RTTY in USB on the Orion (I) I find 300 to 320 Hz to be a minimum BW, therefore I'd suggest a 600 Hz filter. That filter will also accommodate 75 baud BW (about 450 Hz) if you operate that speed. I've found that the 500 Hz roofing filter with 300 Hz BW setting offers plenty of selectivity for contesting.

--- In orion565@yahoogroups.com, "on5gq" <on5gq@...> wrote:
>
> Hi All,
>
> I use my OII mainly in SSB and now I intend to be more QRV in RTTY.
> Actually the OII is equipped with a 1.8 kHz filter.
> Which additional filter should I buy , 600Hz or 300Hz ?
> All comments are welcome
>
> 73's
>
> Ben
> ON5GQ
>

6918. Ten Tec Centurion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-18 20:20:45 UTC
From: amfone20000
Topic: 6918 Message: 6918

Hello

I have a TT Centurion. I put up a 17 meter antenna but the band switch does not have that band listed, no 30 or 24 either. I see nothing in the manual. I purchased the Centurion in 2002 or 2003 so it should work the WARC bands. Anyone out there who can enlighten me..
Thanks Tim
wb8uhz

6919. Re: [orion565] Ten Tec Centurion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-18 22:43:29 UTC
From: mcelmer1
Topic: 6918 Message: 6919

For 17 meters, use 15 meters. For 12 meters use 10 meters. Tentec provides a plug in mod for 17 meters (If I remember correctly).

Cant' help you with 30 meters.

I need almost 85 watts of drive on 17 and 12 meters to get about 750 watts out of the Centurion.

Mike
W8TRN
----- Original Message -----
From: amfone20000
To: orion565@yahoogroups.com
Sent: Wednesday, May 18, 2011 2:20 PM
Subject: [orion565] Ten Tec Centurion

Hello

I have a TT Centurion. I put up a 17 meter antenna but the band switch does not have that band listed, no 30 or 24 either. I see nothing in the manual. I purchased the Centurion in 2002 or 2003 so it should work the WARC bands. Anyone out there who can enlighten me..
Thanks Tim
wb8uhz

[Non-text portions of this message have been removed]

6920. Re: [orion565] Ten Tec Centurion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-19 00:08:46 UTC
From: Bob McGraw - K4TAX
Topic: 6918 Message: 6920

Yep, for the 18 MHz band put the bandswitch on 15 meter position. Typical values for a 50 ohm load are 8 for the LOAD control and 2 for the TUNE control. For the 24 MHz band, put the bandswitch on 10 meters. Typical values are about 5 fror LOAD and 2 for TUNE.

For 30 meters, well we are limited to 200 watts PEP so I guess I don't understand the need for the amp. But if you insist, set the bandswitch on 20 meters an typical values for LOAD are 9 and for TUNE would be 3.

Be sure the amp has the 10 meter kit installed as these were optional upon proof of a valid ham license in the USA. Otherwise it won't tune 12 meters or 10 meters. For 10 meters the LOAD value is 4 and the TUNE value is 1.

See the tuning chart in the manual on page 2-7, Figure 2-4

73
Bob, K4TAX

----- Original Message -----
From: amfone20000
To: orion565@yahoogroups.com
Sent: Wednesday, May 18, 2011 3:20 PM
Subject: [orion565] Ten Tec Centurion

Hello

I have a TT Centurion. I put up a 17 meter antenna but the band switch does not have that band listed, no 30 or 24 either. I see nothing in the manual. I purchased the Centurion in 2002 or 2003 so it should work the WARC bands. Anyone out there who can enlighten me..
Thanks Tim
wb8uhz

[Non-text portions of this message have been removed]

6921. Re: [orion565] Ten Tec Centurion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-19 00:39:01 UTC
From: Bob McGraw - K4TAX
Topic: 6918 Message: 6921

The amp typically has some 10 dB to 12 dB of gain. Thus 75 watts of drive should produce about 750 to 850 watts output. Higher frequency bands are typically somewhat less gain. On 10M with 85 watts of drive, I measure about 900 watts output. This says the amp is contributing about 815 watts of power with the other 85 watts being from the exciter. This is about 10.2 dB of gain in the amp. On 75M I measure the gain about 12.2 dB thus 90 watts of drive produces about 1500 watts output with the amp contributing some 1410 watts of power.

73
Bob, K4TAX

----- Original Message -----
From: mcelmer1
To: orion565@yahoogroups.com
Sent: Wednesday, May 18, 2011 5:43 PM
Subject: Re: [orion565] Ten Tec Centurion

For 17 meters, use 15 meters. For 12 meters use 10 meters. Tentec provides a plug in mod for 17 meters (If I remember correctly).

Cant' help you with 30 meters.

I need almost 85 watts of drive on 17 and 12 meters to get about 750 watts out of the Centurion.

Mike
W8TRN
----- Original Message -----
From: amfone20000
To: orion565@yahoogroups.com
Sent: Wednesday, May 18, 2011 2:20 PM
Subject: [orion565] Ten Tec Centurion

Hello

I have a TT Centurion. I put up a 17 meter antenna but the band switch does not have that band listed, no 30 or 24 either. I see nothing in the manual. I purchased the Centurion in 2002 or 2003 so it should work the WARC bands. Anyone out there who can enlighten me..
Thanks Tim
wb8uhz

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6922. Re: [orion565] Ten Tec Centurion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-19 00:46:30 UTC
From: Bob McGraw - K4TAX
Topic: 6918 Message: 6922

My bad! I mis-stated the gain figures in the earlier post as I did not remove the drive power from the total output power.

10 meters has about 9.8 dB of gain
75 meters has about 11.9 dB of gain.

73
Bob, K4TAX

----- Original Message -----
From: Bob McGraw - K4TAX
To: orion565@yahoogroups.com
Sent: Wednesday, May 18, 2011 7:39 PM
Subject: Re: [orion565] Ten Tec Centurion

The amp typically has some 10 dB to 12 dB of gain. Thus 75 watts of drive should produce about 750 to 850 watts output. Higher frequency bands are typically somewhat less gain. On 10M with 85 watts of drive, I measure about 900 watts output. This says the amp is contributing about 815 watts of power with the other 85 watts being from the exciter. This is about 10.2 dB of gain in the amp. On 75M I measure the gain about 12.2 dB thus 90 watts of drive produces about 1500 watts output with the amp contributing some 1410 watts of power.

73
Bob, K4TAX

----- Original Message -----
From: mcelmer1
To: orion565@yahoogroups.com
Sent: Wednesday, May 18, 2011 5:43 PM
Subject: Re: [orion565] Ten Tec Centurion

For 17 meters, use 15 meters. For 12 meters use 10 meters. Tentec provides a plug in mod for 17 meters (If I remember correctly).

Cant' help you with 30 meters.

I need almost 85 watts of drive on 17 and 12 meters to get about 750 watts out of the Centurion.

Mike
W8TRN
----- Original Message -----
From: amfone20000
To: orion565@yahoogroups.com
Sent: Wednesday, May 18, 2011 2:20 PM
Subject: [orion565] Ten Tec Centurion

Hello

I have a TT Centurion. I put up a 17 meter antenna but the band switch does not have that band listed, no 30 or 24 either. I see nothing in the manual. I purchased the Centurion in 2002 or 2003 so it should work the WARC bands. Anyone out there who can enlighten me..
Thanks Tim
wb8uhz

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6923. Re: [orion565] Ten Tec Centurion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-19 13:11:24 UTC
From: amfone
Topic: 6918 Message: 6923

Bob

Thanks I forgot about 30 meters and not needing the amp. Thanks for the other info.

Whats an easy way to see if the 10 meter option has been installed?

Thanks Tim
wb8uhz

From: Bob McGraw - K4TAX <RMcGraw@...>
To: orion565@yahoogroups.com
Sent: Wed, May 18, 2011 8:08:46 PM
Subject: Re: [orion565] Ten Tec Centurion

Yep, for the 18 MHz band put the bandswitch on 15 meter position. Typical values for a 50 ohm load are 8 for the LOAD control and 2 for the TUNE control. For the 24 MHz band, put the bandswitch on 10 meters. Typical values are about 5 fror LOAD and 2 for TUNE.

For 30 meters, well we are limited to 200 watts PEP so I guess I don't understand the need for the amp. But if you insist, set the bandswitch on 20 meters an typical values for LOAD are 9 and for TUNE would be 3.

Be sure the amp has the 10 meter kit installed as these were optional upon proof of a valid ham license in the USA. Otherwise it won't tune 12 meters or 10 meters. For 10 meters the LOAD value is 4 and the TUNE value is 1.

See the tuning chart in the manual on page 2-7, Figure 2-4

73
Bob, K4TAX

----- Original Message -----
From: amfone20000
To: orion565@yahoogroups.com
Sent: Wednesday, May 18, 2011 3:20 PM
Subject: [orion565] Ten Tec Centurion

Hello

I have a TT Centurion. I put up a 17 meter antenna but the band switch does not have that band listed, no 30 or 24 either. I see nothing in the manual. I purchased the Centurion in 2002 or 2003 so it should work the WARC bands. Anyone out there who can enlighten me..
Thanks Tim
wb8uhz

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[Non-text portions of this message have been removed]

6924. Re: [orion565] Ten Tec Centurion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-19 13:12:29 UTC
From: amfone
Topic: 6918 Message: 6924

Thanks... what mod are you noting? Do you need it?

From: mcelmer1 <mcelmer1@...>
To: orion565@yahoogroups.com
Sent: Wed, May 18, 2011 6:43:29 PM
Subject: Re: [orion565] Ten Tec Centurion

For 17 meters, use 15 meters. For 12 meters use 10 meters. Tentec provides a plug in mod for 17 meters (If I remember correctly).

Cant' help you with 30 meters.

I need almost 85 watts of drive on 17 and 12 meters to get about 750 watts out of the Centurion.

Mike
W8TRN
----- Original Message -----
From: amfone20000
To: orion565@yahoogroups.com
Sent: Wednesday, May 18, 2011 2:20 PM
Subject: [orion565] Ten Tec Centurion

Hello

I have a TT Centurion. I put up a 17 meter antenna but the band switch does not have that band listed, no 30 or 24 either. I see nothing in the manual. I purchased the Centurion in 2002 or 2003 so it should work the WARC bands. Anyone out there who can enlighten me..
Thanks Tim
wb8uhz

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[Non-text portions of this message have been removed]

6925. Re: [orion565] Ten Tec Centurion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-19 14:33:33 UTC
From: mcelmer1
Topic: 6918 Message: 6925

Honestly, I can not remember the function of the mod. It is quite simple, fits on a 2 x 4" board. I believe it improves drive between the transceiver and the amp when operating on 17 meters.

I suggest you give Ten Tec a call for the function of the modification.

Mike
W8TRN
----- Original Message -----
From: amfone
To: orion565@yahoogroups.com
Sent: Thursday, May 19, 2011 7:12 AM
Subject: Re: [orion565] Ten Tec Centurion

Thanks... what mod are you noting? Do you need it?

From: mcelmer1 <mcelmer1@...>
To: orion565@yahoogroups.com
Sent: Wed, May 18, 2011 6:43:29 PM
Subject: Re: [orion565] Ten Tec Centurion

For 17 meters, use 15 meters. For 12 meters use 10 meters. Tentec provides a plug in mod for 17 meters (If I remember correctly).

Cant' help you with 30 meters.

I need almost 85 watts of drive on 17 and 12 meters to get about 750 watts out of the Centurion.

Mike
W8TRN
----- Original Message -----
From: amfone20000
To: orion565@yahoogroups.com
Sent: Wednesday, May 18, 2011 2:20 PM
Subject: [orion565] Ten Tec Centurion

Hello

I have a TT Centurion. I put up a 17 meter antenna but the band switch does not have that band listed, no 30 or 24 either. I see nothing in the manual. I purchased the Centurion in 2002 or 2003 so it should work the WARC bands. Anyone out there who can enlighten me..
Thanks Tim
wb8uhz

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[Non-text portions of this message have been removed]

6926. Re: Ten Tec Centurion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-19 16:10:25 UTC
From: k1fpv
Topic: 6918 Message: 6926

That might be the case Bob with the Centurion. I know I am using an Ameritron AL-82 which also uses a pair of 3-500Zs also. The input impedance is close to 50¦¸ even for a pair of untuned input 3-500Zs. I used to have an SB-220 and used it without mods for 17 and 12 meters. Drive requirements are close to the same no matter whether on 15 or 17 meters. If I remember correctly, it took a little more drive for full output on 12 and 10 meters.

What I did was tune the input on my AL-82 to a point where it provides close to the same input SWR to my Orion II for both 17 and 15 meters as well as 12 and 10 meters. That input SWR is ¡Ö1.3:1 the Orion II sees on 17 thru 10 meters.

Bill/K1FPV

--- In orion565@yahoogroups.com, "mcelmer1" <mcelmer1@...> wrote:
>
> Honestly, I can not remember the function of the mod. It is quite simple, fits on a 2 x 4" board. I believe it improves drive between the transceiver and the amp when operating on 17 meters.
>
> I suggest you give Ten Tec a call for the function of the modification.
>
> Mike
> W8TRN
> ----- Original Message -----
> From: amfone
> To: orion565@yahoogroups.com
> Sent: Thursday, May 19, 2011 7:12 AM
> Subject: Re: [orion565] Ten Tec Centurion
>
>
>
>
> Thanks... what mod are you noting? Do you need it?
>
> _____
> From: mcelmer1 <mcelmer1@...>
> To: orion565@yahoogroups.com
> Sent: Wed, May 18, 2011 6:43:29 PM
> Subject: Re: [orion565] Ten Tec Centurion
>
> For 17 meters, use 15 meters. For 12 meters use 10 meters. Tentec provides a
> plug in mod for 17 meters (If I remember correctly).
>
> Cant' help you with 30 meters.
>
> I need almost 85 watts of drive on 17 and 12 meters to get about 750 watts out
> of the Centurion.
>

> Mike
> W8TRN
> ----- Original Message -----
> From: amfone20000
> To: orion565@yahoogroups.com
> Sent: Wednesday, May 18, 2011 2:20 PM
> Subject: [orion565] Ten Tec Centurion
>
> Hello
>
> I have a TT Centurion. I put up a 17 meter antenna but the band switch does not
> have that band listed, no 30 or 24 either. I see nothing in the manual. I
> purchased the Centurion in 2002 or 2003 so it should work the WARC bands. Anyone
> out there who can enlighten me..
> Thanks Tim
> wb8uhz
>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
>

6927. Re: [orion565] Ten Tec Centurion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-19 22:11:37 UTC
From: amfone
Topic: 6918 Message: 6927

OK thanks

Tim
WB8UHZ

From: mcelmer1 <mcelmer1@...>
To: orion565@yahoogroups.com
Sent: Thu, May 19, 2011 10:33:33 AM
Subject: Re: [orion565] Ten Tec Centurion

Honestly, I can not remember the function of the mod. It is quite simple, fits on a 2 x 4" board. I believe it improves drive between the transceiver and the amp when operating on 17 meters.

I suggest you give Ten Tec a call for the function of the modification.

Mike
W8TRN
----- Original Message -----
From: amfone
To: orion565@yahoogroups.com
Sent: Thursday, May 19, 2011 7:12 AM
Subject: Re: [orion565] Ten Tec Centurion

Thanks... what mod are you noting? Do you need it?

From: mcelmer1 <mcelmer1@...>
To: orion565@yahoogroups.com
Sent: Wed, May 18, 2011 6:43:29 PM
Subject: Re: [orion565] Ten Tec Centurion

For 17 meters, use 15 meters. For 12 meters use 10 meters. Tentec provides a plug in mod for 17 meters (If I remember correctly).

Cant' help you with 30 meters.

I need almost 85 watts of drive on 17 and 12 meters to get about 750 watts out of the Centurion.

Mike
W8TRN
----- Original Message -----
From: amfone20000
To: orion565@yahoogroups.com
Sent: Wednesday, May 18, 2011 2:20 PM
Subject: [orion565] Ten Tec Centurion

Hello

I have a TT Centurion. I put up a 17 meter antenna but the band switch does not have that band listed, no 30 or 24 either. I see nothing in the manual. I purchased the Centurion in 2002 or 2003 so it should work the WARC bands. Anyone

out there who can enlighten me..
Thanks Tim
wb8uhz

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6928. Re: [orion565] Ten Tec Centurion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-20 01:15:49 UTC
From: Bob McGraw - K4TAX
Topic: 6918 Message: 6928

The Model 422-10 Ten Meter Option board kit is designed to enable operation of the Centurion on the 10 meter band. In addition, a new 15 meter low pass filter circuit will provide improved performance on 15M.

Here is the summarized procedure:
****
Originally installed is the #81550 15 M Input Filter Board. This is accessed by removing the top cover and sliding it towards the rear about 1/4" and then lifting upwards. This is a small rectangular plug in circuit board installed on the larger #81539 Input Low Pass Filter board. Remove the #81550. Install the new #81546 15/10M Input Filter board aligning it with the silkscreen outline on the #81539 board. Make sure the 8 pins align correctly and gently press the new board into place.

Place the Band switch in the 160M position and locate the Band switch stop screw and collar. Loosen this screw and slide the collar toward the front panel so that the screw will clear the switch stop pin. Tighten the screw.

Make sure the Band switch will now rotate to the 10M position.
****

I suggest you contact Tentec Service in the event your amp does not have the 15/10M option board. The complete kit and installation instructions and other information is available upon proof of being a current licensed ham.

73
Bob, K4TAX

----- Original Message -----
From: amfone
To: orion565@yahoogroups.com
Sent: Thursday, May 19, 2011 5:11 PM
Subject: Re: [orion565] Ten Tec Centurion

OK thanks

Tim
WB8UHZ

From: mcelmer1 <mcelmer1@...>
To: orion565@yahoogroups.com
Sent: Thu, May 19, 2011 10:33:33 AM
Subject: Re: [orion565] Ten Tec Centurion

Honestly, I can not remember the function of the mod. It is quite simple, fits on a 2 x 4" board. I believe it improves drive between the transceiver and the amp when operating on 17 meters.

I suggest you give Ten Tec a call for the function of the modification.

Mike
W8TRN
----- Original Message -----
From: amfone
To: orion565@yahoogroups.com
Sent: Thursday, May 19, 2011 7:12 AM
Subject: Re: [orion565] Ten Tec Centurion

Thanks... what mod are you noting? Do you need it?

From: mcelmer1 <mcelmer1@...>
To: orion565@yahoogroups.com
Sent: Wed, May 18, 2011 6:43:29 PM
Subject: Re: [orion565] Ten Tec Centurion

For 17 meters, use 15 meters. For 12 meters use 10 meters. Tentec provides a plug in mod for 17 meters (If I remember correctly).

Cant' help you with 30 meters.

I need almost 85 watts of drive on 17 and 12 meters to get about 750 watts out of the Centurion.

Mike
W8TRN
----- Original Message -----
From: amfone20000
To: orion565@yahoogroups.com
Sent: Wednesday, May 18, 2011 2:20 PM
Subject: [orion565] Ten Tec Centurion

Hello

I have a TT Centurion. I put up a 17 meter antenna but the band switch does not have that band listed, no 30 or 24 either. I see nothing in the manual. I purchased the Centurion in 2002 or 2003 so it should work the WARC bands. Anyone

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Thanks Tim
wb8uhz

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6929. So What's New From Dayton?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-23 01:24:07 UTC
From: Bob McGraw - K4TAX
Topic: 6929 Message: 6929

I've seen basically no news on anything from Dayton. Any revolations? Anything really new? Even the Kenwood, Elecraft, ICOM and Yaesu reflectors have been amazingly quiet.

73
Bob, K4TAX

[Non-text portions of this message have been removed]

6930. RE: [orion565] So What's New From Dayton?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-23 01:29:24 UTC
From: Wes Attaway (N5WA)
Topic: 6929 Message: 6930

Is no news good news?

Or maybe everyone is so involved in all the good stuff that they just haven't started commenting yet.

------------------- Wes Attaway (N5WA) ------------------
1138 Waters Edge Circle, Shreveport, LA 71106
318-797-4972 (Office) - 318-393-3289 (Cell)
Computer Consulting and Forensics
-------------- EnCase Certified Examiner ---------------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Bob McGraw - K4TAX
Sent: Sunday, May 22, 2011 8:24 PM
To: orion565@yahoogroups.com; Ten-Tec-Omni-VII@yahoogroups.com; TenTec_Eagle@yahoogroups.com
Subject: [orion565] So What's New From Dayton?

I've seen basically no news on anything from Dayton. Any revolations? Anything really new? Even the Kenwood, Elecraft, ICOM and Yaesu reflectors have been amazingly quiet.

73
Bob, K4TAX

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[Non-text portions of this message have been removed]

6931. Re: [orion565] So What's New From Dayton?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-23 01:44:25 UTC
From: Bob McGraw - K4TAX
Topic: 6929 Message: 6931

Usually I see a few posts from folks there while the 'fest is going on. Yea, perhaps they will catch up next week.

73
Bob, K4TAX

----- Original Message -----
From: Wes Attaway (N5WA)
To: orion565@yahoogroups.com ; Ten-Tec-Omni-VII@yahoogroups.com ; TenTec_Eagle@yahoogroups.com
Sent: Sunday, May 22, 2011 8:29 PM
Subject: RE: [orion565] So What's New From Dayton?

Is no news good news?

Or maybe everyone is so involved in all the good stuff that they just haven't started commenting yet.

------------------- Wes Attaway (N5WA) ------------------
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From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Bob McGraw - K4TAX
Sent: Sunday, May 22, 2011 8:24 PM
To: orion565@yahoogroups.com; Ten-Tec-Omni-VII@yahoogroups.com; TenTec_Eagle@yahoogroups.com
Subject: [orion565] So What's New From Dayton?

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73
Bob, K4TAX

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[Non-text portions of this message have been removed]

6932. Re: [orion565] So What's New From Dayton?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-23 01:52:09 UTC
From: Barry N1EU
Topic: 6929 Message: 6932

I suggest you re-read the Elecraft reflector.

73, Barry N1EU

On Mon, May 23, 2011 at 1:24 AM, Bob McGraw - K4TAX <RMcGraw@...>wrote:

>
>
> I've seen basically no news on anything from Dayton. Any revolations?
> Anything really new? Even the Kenwood, Elecraft, ICOM and Yaesu reflectors
> have been amazingly quiet.
>
> 73
> Bob, K4TAX
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

6933. Re: [orion565] So What's New From Dayton?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-23 12:49:03 UTC
From: David Yarnes
Topic: 6929 Message: 6933

Hi Wes,

Well, there was at least one new product that has a lot of people excited. Elecraft announced the KX3, which is an ultra portable blending of the K3 and the KX1 (well, sorta'). Here's a link to the ARCI website where you can see a video demo of the new rig.

http://www.qrparci.org/content/blogcategory/1/118/

There is also a lot of discussion/speculation going on about the KX3. Best places to follow it are the Elecraft reflector and the QRP-L reflector. This rig may not raise the pulse rate for a lot of Ten-Tec owners, but it's pretty exciting for folks who are into QRP stuff. Also, there are planned accessories that give it 100 watt capability (an outboard amp module mainly). However, I suspect it will be at least 6 months before we see these in production.

Dave W7AQK (W5RMZ when I lived in Shreveport!)
----- Original Message -----
From: Wes Attaway (N5WA)
To: orion565@yahoogroups.com ; Ten-Tec-Omni-VII@yahoogroups.com ; TenTec_Eagle@yahoogroups.com
Sent: Sunday, May 22, 2011 6:29 PM
Subject: RE: [orion565] So What's New From Dayton?

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Or maybe everyone is so involved in all the good stuff that they just haven't started commenting yet.

------------------- Wes Attaway (N5WA) ------------------
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Sent: Sunday, May 22, 2011 8:24 PM
To: orion565@yahoogroups.com; Ten-Tec-Omni-VII@yahoogroups.com; TenTec_Eagle@yahoogroups.com
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73
Bob, K4TAX

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=======
Email scanned by PC Tools - No viruses or spyware found.
(Email Guard: 7.0.0.18, Virus/Spyware Database: 6.17560)
http://www.pctools.com
=======

=======
Email scanned by PC Tools - No viruses or spyware found.
(Email Guard: 7.0.0.18, Virus/Spyware Database: 6.17570)
http://www.pctools.com/
=======

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6934. Update on FLRIG CAT Application

Yahoo group: orion565 (2009 — 2013)
Date: 2011-05-25 11:42:38 UTC
From: Bob McGraw - K4TAX
Topic: 6934 Message: 6934

As posted on the 599 Eagle reflector.
73
Bob, K4TAX

I would like to congratulate Ten-Tec on being singularly responsive to the handful of systems analysts who create amateur software. I've corresponded with you in the past and you have always been very helpful in answering my questions.

I am in the final testing phase for the next version of the program flrig, a cross platform transceiver CAT application. It supports the Argo-V, Pegasus, Jupiter and Eagle with what I think is 100% of the control and monitoring functions for each radio. I am working on a few quirks with the TT588, but am sure those will resolve themselves. I must rely on my test users as I personally do not own every radio, just an Argonaut V, Pegasus and Jupiter.

Flrig supports 45 different transceivers from 7 different manufacturers. The Ten-Tec programmer guides stand head and shoulders above all the rest. The Pegasus is probably the 2nd most difficult transceiver for which to create interface code. The most difficult is the Kachina-505DSP, primarily because that one required reverse engineering to discover the correct response streams to various commands. That said, I must go on record to say that the Pegasus programmer guide is far superior to any other manufacturer's manuals. The command codes / responses are well documented and the actual transceiver data streams are fully in accord with the manual specifications.

Flrig runs on all Windows (post Win98), Linux, Free BSD, OS X, and several minimal footprint OS such as Puppy-Linux. I will email you when the new version has been published for public download. Flrig is open source software and always free.

Thanks for making my avocation a pleasure.

Dave, W1HKJ
http://www.w1hkj.com

[Non-text portions of this message have been removed]

6935. Thermostatic control for the Orion II cooling fan

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-02 12:55:00 UTC
From: floydsense
Topic: 6935 Message: 6935

I just recently acquired my Orion II and was surprised that the optional cooling fan that was installed ran all the time. My other transceivers going back 20 years all had thermostatic fan control so you didn't have to listen to the fan running if you're just listening to the receiver.

While combing through the Far Circuits stuff at Dayton, I picked up one of their little circuit boards for building a thermostatic fan controller. The circuit is from an article in June 1994 QST by Bertram Kolts, WA0WZI, titled: "An Automatic Temperature-Controlled Fan" and I've used it a few times in the past, usually building it on a small piece of perf board.

This provides a no-holes, plug-in mod that I used to prevent the Orion fan from running unless the heat sink reaches the adjustable turn-on temperature. I secured the board to the side of the fan housing with velcro, and the fan gets its power from the board which gets its power from the 13.8V jack you'd plug the fan into normally. The only other item to mount is the thermistor, which you can glue into a 1/2" long, 1/4" diameter piece of metal tubing, which is then force-fit between the two top fins on the heat sink. The Orion fan mounting bracket is such that air is not drawn between those two fins, so the thermistor will not be cooled directly by the fan's air flow.

The circuit includes a temperature set mini-pot on the board and I set it so that the fan is off after the Orion has been powered on for several hours. With that setting, the fan came on a couple of times during operation in the CQ WPX CW contest. It would be easy to adjust the pot so that the fan comes on only when operating the digital modes for extended periods.

Total cost would be in the area of $15 even buying everything new. The mod can be easily removed, leaving no trace.

73, Floyd - K8AC

6936. Re: [orion565] Thermostatic control for the Orion II cooling fan

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-02 13:25:36 UTC
From: Barry N1EU
Topic: 6935 Message: 6936

Nice job Floyd - I've added the info to the Ten-Tec Wiki

73, Barry N1EU

On Thu, Jun 2, 2011 at 8:55 AM, floydsense <floyd@...> wrote:

>
>
> I just recently acquired my Orion II and was surprised that the optional
> cooling fan that was installed ran all the time. My other transceivers going
> back 20 years all had thermostatic fan control so you didn't have to listen
> to the fan running if you're just listening to the receiver.
>
> While combing through the Far Circuits stuff at Dayton, I picked up one of
> their little circuit boards for building a thermostatic fan controller. The
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> 13.8V jack you'd plug the fan into normally. The only other item to mount is
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> metal tubing, which is then force-fit between the two top fins on the heat
> sink. The Orion fan mounting bracket is such that air is not drawn between
> those two fins, so the thermistor will not be cooled directly by the fan's
> air flow.
>
> The circuit includes a temperature set mini-pot on the board and I set it
> so that the fan is off after the Orion has been powered on for several
> hours. With that setting, the fan came on a couple of times during operation
> in the CQ WPX CW contest. It would be easy to adjust the pot so that the fan
> comes on only when operating the digital modes for extended periods.
>
> Total cost would be in the area of $15 even buying everything new. The mod
> can be easily removed, leaving no trace.
>
> 73, Floyd - K8AC
>
>
>

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6937. Orion II and Transverters - questions

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-02 17:32:25 UTC
From: floydsense
Topic: 6937 Message: 6937

Thought I'd try this question here as I got nowhere on the Ten Tec reflector. I have an Orion II and currently used my old Yaesu FT-1000MP Mk V with the FTV-1000 transverter on 6M. I'd really like to use the FTV-1000 with the Orion II, and have read the Orion manual, but that didn't provide the answers.

The FTV-1000 would be driven from the Orion's rear panel XVRT RF jack. In the Orion TX menu, there's a Transverter item and the manual says that when it's ON, there's no RF output from the ANT1 or ANT2 connector. There's also a menu item Transmitter with ON and OFF options. It appears that I don't have to turn the Transmitter item to OFF to use the transverter if Transverter is turned ON - right?

The Orion manual also says the receive signal from the transverter is fed to the AUX RX jack. Can I use the ANT1 connector for the receive signal or does setting the Transverter item to ON disable that path for receive as well as transmit?

73, Floyd - K8AC

6938. Re: [orion565] Orion II and Transverters - questions

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-02 18:15:02 UTC
From: John Huffman
Topic: 6937 Message: 6938

Floyd -

I don't have a transverter for my Orion 565, but have some suggestions.

Turn on transverter and leave transmitter setting ON. Run a cable from the rear panel XVRT jack to a wattmeter and then to a dummy load. Transmit and see if you get any output on the wattmeter.

If you have a noise generator, with transverter on and the noise generator hooked to ANT 1 or ANT 2, see if you can hear the noise on the receiver. Then try it on the AUX RX jack.

73 de K1ESE
John

On 6/2/2011 1:32 PM, floydsense wrote:
>
> Thought I'd try this question here as I got nowhere on the Ten Tec
> reflector. I have an Orion II and currently used my old Yaesu
> FT-1000MP Mk V with the FTV-1000 transverter on 6M. I'd really like to
> use the FTV-1000 with the Orion II, and have read the Orion manual,
> but that didn't provide the answers.
>
> The FTV-1000 would be driven from the Orion's rear panel XVRT RF jack.
> In the Orion TX menu, there's a Transverter item and the manual says
> that when it's ON, there's no RF output from the ANT1 or ANT2
> connector. There's also a menu item Transmitter with ON and OFF
> options. It appears that I don't have to turn the Transmitter item to
> OFF to use the transverter if Transverter is turned ON - right?
>
> The Orion manual also says the receive signal from the transverter is
> fed to the AUX RX jack. Can I use the ANT1 connector for the receive
> signal or does setting the Transverter item to ON disable that path
> for receive as well as transmit?
>
> 73, Floyd - K8AC
>
>

[Non-text portions of this message have been removed]

6940. Re: Orion II and Transverters - questions

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-02 19:12:24 UTC
From: floydsense
Topic: 6937 Message: 6940

This transverter is a different animal from the Ten Tec. The drive for full 200W output is only 50 mV or -13 dBm. That's why the drive must come from the XVRT RF jack, which has an output range of 5 to 15 dBm.

73, Floyd

--- In orion565@yahoogroups.com, catfishtwo@... wrote:
>
> I have a ten tec 6M transverter on my orion. If I remember right, it is
> plugged into the antenna 2 spot and a RLY line was run to the amp . a pretty
> simple hook up. I turn the power down to minimum (I think 5 watts is max
> in for the xvtr) . I usually run it through a separate 160 watt brick amp
> and then to the antenna switch. I un screw the regular orion and put the
> output from the small amp to the antennas. It seems to work fine. and the RLY
> line keys it
>
> Tom
> N6AJR
>
>
> In a message dated 6/2/2011 11:15:05 A.M. Pacific Daylight Time,
> hjohnc@... writes:
>
> Floyd -
>
> I don't have a transverter for my Orion 565, but have some suggestions.
>
> Turn on transverter and leave transmitter setting ON. Run a cable from
> the rear panel XVRT jack to a wattmeter and then to a dummy load.
> Transmit and see if you get any output on the wattmeter.
>
> If you have a noise generator, with transverter on and the noise
> generator hooked to ANT 1 or ANT 2, see if you can hear the noise on
> the receiver. Then try it on the AUX RX jack.
>
> 73 de K1ESE
> John
>
>
> On 6/2/2011 1:32 PM, floydsense wrote:
> >
> > Thought I'd try this question here as I got nowhere on the Ten Tec
> > reflector. I have an Orion II and currently used my old Yaesu
> > FT-1000MP Mk V with the FTV-1000 transverter on 6M. I'd really like to
> > use the FTV-1000 with the Orion II, and have read the Orion manual,

> > but that didn't provide the answers.
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> > The FTV-1000 would be driven from the Orion's rear panel XVRT RF jack.
> > In the Orion TX menu, there's a Transverter item and the manual says
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> > connector. There's also a menu item Transmitter with ON and OFF
> > options. It appears that I don't have to turn the Transmitter item to
> > OFF to use the transverter if Transverter is turned ON - right?
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> >
> > 73, Floyd - K8AC
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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6941. Re: Orion II and Transverters - questions

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-02 19:23:18 UTC
From: floydsense
Topic: 6937 Message: 6941

I wanted to get an answer on how it really functioned before experimenting with it. The transverter requires less than 1 milliwatt to drive it to full output, so not likely to show up on most wattmeters, but I see that my LP-100 has a dBm scale in that range.

With the Orion tuned to 40M, I switched the Transverter parameter to ON and that does kill the output from the ANT1 jack, but ANT1 still functions fine for receive. So, apparently there's no real need to use the AUX RX jack when receiving with the transverter. I suppose the manual writer assumed that you'd want to leave your HF antenna connected to ANT1, but this transverter has the T/R switching built in and the station beam covers 6M anyway so the ANT1 connection is preferable.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, John Huffman <hjohnc@...> wrote:
>
> Floyd -
>
> I don't have a transverter for my Orion 565, but have some suggestions.
>
> Turn on transverter and leave transmitter setting ON. Run a cable from
> the rear panel XVRT jack to a wattmeter and then to a dummy load.
> Transmit and see if you get any output on the wattmeter.
>
> If you have a noise generator, with transverter on and the noise
> generator hooked to ANT 1 or ANT 2, see if you can hear the noise on
> the receiver. Then try it on the AUX RX jack.
>
> 73 de K1ESE
> John
>
>
> On 6/2/2011 1:32 PM, floydsense wrote:
> >
> > Thought I'd try this question here as I got nowhere on the Ten Tec
> > reflector. I have an Orion II and currently used my old Yaesu
> > FT-1000MP Mk V with the FTV-1000 transverter on 6M. I'd really like to
> > use the FTV-1000 with the Orion II, and have read the Orion manual,
> > but that didn't provide the answers.
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> > The FTV-1000 would be driven from the Orion's rear panel XVRT RF jack.
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> > options. It appears that I don't have to turn the Transmitter item to
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> > The Orion manual also says the receive signal from the transverter is
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> > for receive as well as transmit?
> >
> > 73, Floyd - K8AC
> >
> >
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>
> [Non-text portions of this message have been removed]
>

6942. Re: [orion565] Re: Orion II and Transverters - questions

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-02 21:20:07 UTC
From: Bob McGraw - K4TAX
Topic: 6937 Message: 6942

By using the AUX RX jack you won't accidentally transmit into your transverter thus causing ultimate and instant failure.

Us the Transverter Output on the Orion II nd the AUX RX and things will be just fine. You may need to include a switching line from the transceiver to the transverter to handle change over from RX to TX.

73
Bob, K4TAX

----- Original Message -----
From: floydsense
To: orion565@yahoogroups.com
Sent: Thursday, June 02, 2011 2:23 PM
Subject: [orion565] Re: Orion II and Transverters - questions

I wanted to get an answer on how it really functioned before experimenting with it. The transverter requires less than 1 milliwatt to drive it to full output, so not likely to show up on most wattmeters, but I see that my LP-100 has a dBm scale in that range.

With the Orion tuned to 40M, I switched the Transverter parameter to ON and that does kill the output from the ANT1 jack, but ANT1 still functions fine for receive. So, apparently there's no real need to use the AUX RX jack when receiving with the transverter. I suppose the manual writer assumed that you'd want to leave your HF antenna connected to ANT1, but this transverter has the T/R switching built in and the station beam covers 6M anyway so the ANT1 connection is preferable.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, John Huffman <hjohnc@...> wrote:
>
> Floyd -
>
> I don't have a transverter for my Orion 565, but have some suggestions.
>
> Turn on transverter and leave transmitter setting ON. Run a cable from
> the rear panel XVRT jack to a wattmeter and then to a dummy load.
> Transmit and see if you get any output on the wattmeter.
>
> If you have a noise generator, with transverter on and the noise
> generator hooked to ANT 1 or ANT 2, see if you can hear the noise on
> the receiver. Then try it on the AUX RX jack.
>
> 73 de K1ESE
> John
>
>

> On 6/2/2011 1:32 PM, floydsense wrote:
> >
> > Thought I'd try this question here as I got nowhere on the Ten Tec
> > reflector. I have an Orion II and currently used my old Yaesu
> > FT-1000MP Mk V with the FTV-1000 transverter on 6M. I'd really like to
> > use the FTV-1000 with the Orion II, and have read the Orion manual,
> > but that didn't provide the answers.
> >
> > The FTV-1000 would be driven from the Orion's rear panel XVRT RF jack.
> > In the Orion TX menu, there's a Transverter item and the manual says
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> > options. It appears that I don't have to turn the Transmitter item to
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> > for receive as well as transmit?
> >
> > 73, Floyd - K8AC
> >
> >
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> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

6943. Re: [orion565] Re: Orion II and Transverters - questions

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-02 22:07:00 UTC
From: Simone IZ5DKJ
Topic: 6937 Message: 6943

Hi,
i'm looking for transverter also (HA1YA)
and have a good price but can the orion
read the correct frequency on display ?
Can we configure the orion display for read 50110.00
and not 28110.00 like ts-850 kenwood or other radio ?Thanks

[Non-text portions of this message have been removed]

6944. Re: Orion II and Transverters - questions

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-02 22:28:33 UTC
From: floydsense
Topic: 6937 Message: 6944

It's not inconceivable that such an accident could occur - it would require that the T/R line from the Orion to the transverter become disconnected and that the Transverter setting in the TX menu not be set to ON. Setting it to ON disables output to the ANT1 and ANT2 connectors. When used with the Mark V, the transverter gets a low level drive signal from the Mark V via a separate cable, but the receive signal is routed on the normal coax run to the Mark V. I'll bet there is some sort of protection on that line in the event the user forgets to disable the Mark V PA stage, but don't know since I've never been able to find a schematic of the FTV-1000.

I'm using the AUX RX jack because it simplifies my switching setup. I was a bit surprised to see that the Orion II has no input for external ALC, which this transverter supplies to the transceiver. Anyway, everything is working smoothly now and I have 195 watts out on 6M. And, I can see the beacons that can be heard today on SpectraVue. Mousing on a signal sets the Orion to that frequency. If only the Orion had some way of displaying 50 in place of 28 on the frequency readout as the Mark V has.

I couldn't find any evidence on the Web of anyone using this combination before, so I'll write up the details and post it to the Files section here.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
>
> By using the AUX RX jack you won't accidentally transmit into your transverter thus causing ultimate and instant failure.
>
> Us the Transverter Output on the Orion II nd the AUX RX and things will be just fine. You may need to include a switching line from the transceiver to the transverter to handle change over from RX to TX.
>
> 73
> Bob, K4TAX
>
>
> ----- Original Message -----
> From: floydsense
> To: orion565@yahoogroups.com
> Sent: Thursday, June 02, 2011 2:23 PM
> Subject: [orion565] Re: Orion II and Transverters - questions
>
>
>
> I wanted to get an answer on how it really functioned before experimenting with it. The transverter requires less than 1 milliwatt to drive it to full output, so not likely to show up on most wattmeters, but I see that my LP-100 has a dBm scale in that range.
>

> With the Orion tuned to 40M, I switched the Transverter parameter to ON and that does kill the output from the ANT1 jack, but ANT1 still functions fine for receive. So, apparently there's no real need to use the AUX RX jack when receiving with the transverter. I suppose the manual writer assumed that you'd want to leave your HF antenna connected to ANT1, but this transverter has the T/R switching built in and the station beam covers 6M anyway so the ANT1 connection is preferable.
>
> 73, Floyd - K8AC
>
> --- In orion565@yahoogroups.com, John Huffman <hjohnc@> wrote:
> >
> > Floyd -
> >
> > I don't have a transverter for my Orion 565, but have some suggestions.
> >
> > Turn on transverter and leave transmitter setting ON. Run a cable from
> > the rear panel XVRT jack to a wattmeter and then to a dummy load.
> > Transmit and see if you get any output on the wattmeter.
> >
> > If you have a noise generator, with transverter on and the noise
> > generator hooked to ANT 1 or ANT 2, see if you can hear the noise on
> > the receiver. Then try it on the AUX RX jack.
> >
> > 73 de K1ESE
> > John
> >
> >
> > On 6/2/2011 1:32 PM, floydsense wrote:
> > >
> > > Thought I'd try this question here as I got nowhere on the Ten Tec
> > > reflector. I have an Orion II and currently used my old Yaesu
> > > FT-1000MP Mk V with the FTV-1000 transverter on 6M. I'd really like to
> > > use the FTV-1000 with the Orion II, and have read the Orion manual,
> > > but that didn't provide the answers.
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> > > The FTV-1000 would be driven from the Orion's rear panel XVRT RF jack.
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> > > OFF to use the transverter if Transverter is turned ON - right?
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> > > The Orion manual also says the receive signal from the transverter is
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> > > signal or does setting the Transverter item to ON disable that path
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> [Non-text portions of this message have been removed]
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6945. Re: Orion II and Transverters - questions

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-02 23:41:12 UTC
From: floydsense
Topic: 6937 Message: 6945

I'm told that the N4PY software can accomplish that, but have not tried it since I don't drive the Orion with N4PY. I use the DXLab suite for logging/spotting and that does have the ability to show the correct frequency on the Commander frequency display. If you mouse on a spot that says 50.110, the Commander display says 50.110, but Commander sets the Orion to 28.110.

It certainly would be nice if the Orion menus had an option to show the transverter frequency as you say other rigs do. My Mark V works that way as well.

73, Floyd

--- In orion565@yahoogroups.com, "Simone IZ5DKJ" <iz5dkj@...> wrote:
>
> Hi,
> i'm looking for transverter also (HA1YA)
> and have a good price but can the orion
> read the correct frequency on display ?
> Can we configure the orion display for read 50110.00
> and not 28110.00 like ts-850 kenwood or other radio ?Thanks
>
>
> [Non-text portions of this message have been removed]
>

6946. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-02 23:44:24 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 6946

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Orion II and Yaesu FTV-1000/Using the FTV-1000 transverter with the Orion II.pdf
Uploaded by : floydsense <floyd@...>
Description : How to configure the Orion II and connect the two

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/Orion%20II%20and%20Yaesu%20FTV-1000/Using%20the%20FTV-1000%20transverter%20with%20the%20Orion%20II.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

floydsense <floyd@...>

6948. Re: Orion II and Transverters - questions

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-03 00:32:55 UTC
From: Bob McGraw - K4TAX
Topic: 6937 Message: 6948

I've used all sorts and brands of radios with transverters since about 1965 when I built my own transverter for bands 144 MHz, 432 MHz and 1296 MHz. Guess I don't understand the issue. Are we getting mentally lazy?

Of course with most any transverter, one will likely have to compensate the frequency from a few Hz to a couple of KHz due to the oscillator error in up and down conversions. Other than the correction factor available via N4PY software, some form of offset will likely be necessary.

At present all three of my commercial transverters do require mental adjustment of the actual frequency anywhere from -300 Hz to +750 Hz depending on which one/band I'm using. I've tweaked the oscillator for best accuracy after warm-up even though they are TCXO devices.

Transverters in conjunction with a high quality HF transceiver have the ability to produce outstanding results on the bands.

As to the Orion or Orion II, it will display the IF frequency on the 28 MHz band.

73
Bob, K4TAX

[Non-text portions of this message have been removed]

6949. Re: [orion565] Re: Orion II and Transverters - questions

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-03 02:29:29 UTC
From: Bob McGraw - K4TAX
Topic: 6937 Message: 6949

I guess I'm at odds with many folks on these items.

ALC - since the radios we use today do have excellent ALC systems as well as a precise power control system, I find that power amps or transverters {and I have both} do not need ALC detection. Just set the power on the radio for the correct drive value for the devices following and leave it at that. The ALC in the radio is much more likely to have better detection and have better attack and release characteristics than those in any amp. Just remember the strongest point in a chain is its weakest link. A poor ALC detection system in a amp will likely leave one with less than a desireable sounding signal on the bands.

AUX RX input - Yes forgetting to set the transverter option to ON in the radio will most likely send the next burst of energy from ANT 1 or ANT 2 direct into the 28 MHz output of the transverter. I doubt that the transverter IF output coil or mixer will deal with that very kindly.

I run three transverters on my Omni VII, being 144 MHz, 432 MHz and 1296 MHz. Legal limit amps follow the transverters on 2 of the bands and mast mounted preamp are ahead of all three the transverters. TX/RX switching gets very precarious.

Since all three transverters have slight errors of different amounts in their master oscillator frequency, mental frequency adjustment is necessary. I don't mind the 28.200.280 on the display is the real number for 144.200.00 MHz and such.

73
Bob, K4TAX

----- Original Message -----
From: floydsense
To: orion565@yahoogroups.com
Sent: Thursday, June 02, 2011 5:28 PM
Subject: [orion565] Re: Orion II and Transverters - questions

It's not inconceivable that such an accident could occur - it would require that the T/R line from the Orion to the transverter become disconnected and that the Transverter setting in the TX menu not be set to ON. Setting it to ON disables output to the ANT1 and ANT2 connectors. When used with the Mark V, the transverter gets a low level drive signal from the Mark V via a separate cable, but the receive signal is routed on the normal coax run to the Mark V. I'll bet there is some sort of protection on that line in the event the user forgets to disable the Mark V PA stage, but don't know since I've never been able to find a schematic of the FTV-1000.

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73, Floyd - K8AC

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> Bob, K4TAX
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> ----- Original Message -----
> From: floydsense
> To: orion565@yahoogroups.com
> Sent: Thursday, June 02, 2011 2:23 PM
> Subject: [orion565] Re: Orion II and Transverters - questions
>
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>
> I wanted to get an answer on how it really functioned before experimenting with it. The transverter requires less than 1 milliwatt to drive it to full output, so not likely to show up on most wattmeters, but I see that my LP-100 has a dBm scale in that range.
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> 73, Floyd - K8AC
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6950. Re: Orion II and Transverters - questions

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-03 03:02:13 UTC
From: floydsense
Topic: 6937 Message: 6950

I don't think it's a case of people getting lazy. Things are much more complicated today - many of us have a lot of software integrated into the operation and they'd like to be sure that the frequencies get passed from one point to another without getting confused as to band. For example, I work someone on 6M on my Orion/transverter setup and if I'm not careful, it gets logged by the software as a 28 MHz QSO. At least in DXLab, I can tell the software it's a transverter and what the offset is from 28 MHz, so the frequencies get logged properly. It really doesn't bother me that the frequency read out on the Orion is 28 MHz, as there's no chance of my getting that mixed up.

But, since many of the Japanese transceivers manufactured before and after the Orion II have the capability to show the right frequency, one has to wonder why Ten Tec would go to the trouble to put the transverter features in that they did, and then not handle the frequency issue. If it was an oversight, that's one thing, but if it were because of some philosophical viewpoint on how things ought to be, they they missed the boat.

Anyway, not a big deal since the software is smart enough to handle it.

Floyd

--- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
>
> I've used all sorts and brands of radios with transverters since about 1965 when I built my own transverter for bands 144 MHz, 432 MHz and 1296 MHz. Guess I don't understand the issue. Are we getting mentally lazy?
>
> Of course with most any transverter, one will likely have to compensate the frequency from a few Hz to a couple of KHz due to the oscillator error in up and down conversions. Other than the correction factor available via N4PY software, some form of offset will likely be necessary.
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> At present all three of my commercial transverters do require mental adjustment of the actual frequency anywhere from -300 Hz to +750 Hz depending on which one/band I'm using. I've tweaked the oscillator for best accuracy after warm-up even though they are TCXO devices.
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> 73
> Bob, K4TAX
>

>
>
> [Non-text portions of this message have been removed]
>

6951. Re: [orion565] Re: Orion II and Transverters - questions

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-03 03:20:42 UTC
From: Bob McGraw - K4TAX
Topic: 6937 Message: 6951

Again, since the transverter oscillator is not clocked by the transceiver system, the transceiver has no idea where/what frequency the station is operating. Even those Japanese transceivers that show the correct band, i.e. 50 MHz, 144 MHz and such are "assuming" the transverter is dead nuts on frequency. Which of course we know likely it is not.

Agreed, no big deal but it is more complex than a frequency read out.

73
Bob, K4TAX

----- Original Message -----
From: floydsense
To: orion565@yahoogroups.com
Sent: Thursday, June 02, 2011 10:02 PM
Subject: [orion565] Re: Orion II and Transverters - questions

I don't think it's a case of people getting lazy. Things are much more complicated today - many of us have a lot of software integrated into the operation and they'd like to be sure that the frequencies get passed from one point to another without getting confused as to band. For example, I work someone on 6M on my Orion/transverter setup and if I'm not careful, it gets logged by the software as a 28 MHz QSO. At least in DXLab, I can tell the software it's a transverter and what the offset is from 28 MHz, so the frequencies get logged properly. It really doesn't bother me that the frequency read out on the Orion is 28 MHz, as there's no chance of my getting that mixed up.

But, since many of the Japanese transceivers manufactured before and after the Orion II have the capability to show the right frequency, one has to wonder why Ten Tec would go to the trouble to put the transverter features in that they did, and then not handle the frequency issue. If it was an oversight, that's one thing, but if it were because of some philosophical viewpoint on how things ought to be, they they missed the boat.

Anyway, not a big deal since the software is smart enough to handle it.

Floyd

--- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
>
> I've used all sorts and brands of radios with transverters since about 1965 when I built my own transverter for bands 144 MHz, 432 MHz and 1296 MHz. Guess I don't understand the issue. Are we getting mentally lazy?
>
> Of course with most any transverter, one will likely have to compensate the frequency from a few Hz to a couple of KHz due to the oscillator error in up and down conversions. Other than the correction factor available via N4PY software, some form of offset will likely be necessary.
>
> At present all three of my commercial transverters do require mental adjustment of the

actual frequency anywhere from -300 Hz to +750 Hz depending on which one/band I'm using. I've tweaked the oscillator for best accuracy after warm-up even though they are TCXO devices.
>
> Transverters in conjunction with a high quality HF transceiver have the ability to produce outstanding results on the bands.
>
> As to the Orion or Orion II, it will display the IF frequency on the 28 MHz band.
>
>
>
>
> 73
> Bob, K4TAX
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

6952. Re: Orion II and Transverters - questions

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-03 14:13:05 UTC
From: floydsense
Topic: 6937 Message: 6952

You're right of course. I haven't lugged the HP generator into the shack from the workshop yet to check out the error, but I already knew it was pretty close. I've checked it against a local 6M beacon and I have no idea how accurate the beacon frequency is, but the Orion reads 350 Hz below the claimed beacon frequency. I ran across one other post elsewhere where a fellow said that his was 300 Hz off in the same direction. Considering the total lack of any sort of frequency synchronization, I guess that isn't so bad.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
>
> Again, since the transverter oscillator is not clocked by the transceiver system, the transceiver has no idea where/what frequency the station is operating. Even those Japanese transceivers that show the correct band, i.e. 50 MHz, 144 MHz and such are "assuming" the transverter is dead nuts on frequency. Which of course we know likely it is not.
>
> Agreed, no big deal but it is more complex than a frequency read out.
>
> 73
> Bob, K4TAX
>

6953. Re: [orion565] Re: Orion II and Transverters - questions

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-03 14:41:40 UTC
From: Tony Lelieveld
Topic: 6937 Message: 6953

One could make clever use of the RIT and XIT settings to make the Orion's frequency read out (seemingly) correspond with the transverter in/out frequency.

Tony, VE3DWI

Sent wirelessly from my BlackBerry device on the Bell network.Envoy? sans fil par mon terminal mobile BlackBerry sur le r?seau de Bell.

-----Original Message-----
From: "floydsense" <floyd@...>
Sender: orion565@yahoogroups.com
Date: Fri, 03 Jun 2011 14:13:05
To: <orion565@yahoogroups.com>
Reply-To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion II and Transverters - questions

You're right of course. I haven't lugged the HP generator into the shack from the workshop yet to check out the error, but I already knew it was pretty close. I've checked it against a local 6M beacon and I have no idea how accurate the beacon frequency is, but the Orion reads 350 Hz below the claimed beacon frequency. I ran across one other post elsewhere where a fellow said that his was 300 Hz off in the same direction. Considering the total lack of any sort of frequency synchronization, I guess that isn't so bad.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
>
> Again, since the transverter oscillator is not clocked by the transceiver system, the transceiver has no idea where/what frequency the station is operating. Even those Japanese transceivers that show the correct band, i.e. 50 MHz, 144 MHz and such are "assuming" the transverter is dead nuts on frequency. Which of course we know likely it is not.
>
> Agreed, no big deal but it is more complex than a frequency read out.
>
> 73
> Bob, K4TAX
>

[Non-text portions of this message have been removed]

6954. Orion macro question

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-03 19:10:35 UTC
From: Barry N1EU
Topic: 6954 Message: 6954

For those of you who have worked with programming Orion macros, I'd appreciate some help. I want to use a macro to set an RIT value or to clear the RIT. I've got *RMR0<cr> successfully clearing RIT but I can't get *RMR50<cr> to set a 50hz RIT value. Is there some trick I'm missing to get RIT set?

Thanks & 73,
Barry N1EU

6955. Re: Orion macro question

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-03 19:37:28 UTC
From: Barry N1EU
Topic: 6954 Message: 6955

I've got the macro working now, sorry for the bandwidth.

Thanks & 73,
Barry N1EU

On Fri, Jun 3, 2011 at 7:10 PM, Barry N1EU <barry.n1eu@...> wrote:
> For those of you who have worked with programming Orion macros, I'd
> appreciate some help. I want to use a macro to set an RIT value or to
> clear the RIT. I've got *RMR0<cr> successfully clearing RIT but I
> can't get *RMR50<cr> to set a 50hz RIT value. Is there some trick I'm
> missing to get RIT set?
>
> Thanks & 73,
> Barry N1EU
>

6956. Re: [orion565] Re: Orion II and Transverters - questions

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-04 03:53:19 UTC
From: Bob McGraw - K4TAX
Topic: 6937 Message: 6956

That works too.

73
Bob, K4TAX

----- Original Message -----
From: "Tony Lelieveld" <va3dwi@...>
To: <orion565@yahoogroups.com>
Sent: Friday, June 03, 2011 9:41 AM
Subject: Re: [orion565] Re: Orion II and Transverters - questions

One could make clever use of the RIT and XIT settings to make the Orion's
frequency read out (seemingly) correspond with the transverter in/out
frequency.

Tony, VE3DWI

Sent wirelessly from my BlackBerry device on the Bell network.Envoy? sans
fil par mon terminal mobile BlackBerry sur le r?seau de Bell.

-----Original Message-----
From: "floydsense" <floyd@...>
Sender: orion565@yahoogroups.com
Date: Fri, 03 Jun 2011 14:13:05
To: <orion565@yahoogroups.com>
Reply-To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion II and Transverters - questions

You're right of course. I haven't lugged the HP generator into the shack
from the workshop yet to check out the error, but I already knew it was
pretty close. I've checked it against a local 6M beacon and I have no idea
how accurate the beacon frequency is, but the Orion reads 350 Hz below the
claimed beacon frequency. I ran across one other post elsewhere where a
fellow said that his was 300 Hz off in the same direction. Considering the
total lack of any sort of frequency synchronization, I guess that isn't so
bad.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
>
> Again, since the transverter oscillator is not clocked by the transceiver
> system, the transceiver has no idea where/what frequency the station is
> operating. Even those Japanese transceivers that show the correct band,
> i.e. 50 MHz, 144 MHz and such are "assuming" the transverter is dead nuts
> on frequency. Which of course we know likely it is not.
>

> Agreed, no big deal but it is more complex than a frequency read out.
>
> 73
> Bob, K4TAX
>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

6957. Re: [orion565] Thermostatic control for the Orion II cooling fan

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-04 04:21:43 UTC
From: Timothy Randa
Topic: 6935 Message: 6957

Floyd...can you post a link to this kit? Sure sounds like a neat project

Tim K?FL

On Thu, Jun 2, 2011 at 8:25 AM, Barry N1EU <barry.n1eu@...m> wrote:

>
>
> Nice job Floyd - I've added the info to the Ten-Tec Wiki
>
> 73, Barry N1EU
>
>
> On Thu, Jun 2, 2011 at 8:55 AM, floydsense <floyd@k8ac.net> wrote:
>
> >
> >
> > I just recently acquired my Orion II and was surprised that the optional
> > cooling fan that was installed ran all the time. My other transceivers
> going
> > back 20 years all had thermostatic fan control so you didn't have to
> listen
> > to the fan running if you're just listening to the receiver.
> >
> > While combing through the Far Circuits stuff at Dayton, I picked up one
> of
> > their little circuit boards for building a thermostatic fan controller.
> The
> > circuit is from an article in June 1994 QST by Bertram Kolts, WA0WZI,
> > titled: "An Automatic Temperature-Controlled Fan" and I've used it a few
> > times in the past, usually building it on a small piece of perf board.
> >
> > This provides a no-holes, plug-in mod that I used to prevent the Orion
> fan
> > from running unless the heat sink reaches the adjustable turn-on
> > temperature. I secured the board to the side of the fan housing with
> velcro,
> > and the fan gets its power from the board which gets its power from the
> > 13.8V jack you'd plug the fan into normally. The only other item to mount
> is
> > the thermistor, which you can glue into a 1/2" long, 1/4" diameter piece
> of
> > metal tubing, which is then force-fit between the two top fins on the
> heat
> > sink. The Orion fan mounting bracket is such that air is not drawn
> between

> > those two fins, so the thermistor will not be cooled directly by the
> fan's
> > air flow.
> >
> > The circuit includes a temperature set mini-pot on the board and I set it
> > so that the fan is off after the Orion has been powered on for several
> > hours. With that setting, the fan came on a couple of times during
> operation
> > in the CQ WPX CW contest. It would be easy to adjust the pot so that the
> fan
> > comes on only when operating the digital modes for extended periods.
> >
> > Total cost would be in the area of $15 even buying everything new. The
> mod
> > can be easily removed, leaving no trace.
> >
> > 73, Floyd - K8AC
> >
> >
> >
>
> [Non-text portions of this message have been removed]
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>

[Non-text portions of this message have been removed]

6958. Handy bandscope / s-meter trick with 2064x11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-05 14:18:54 UTC
From: pa1ap
Topic: 6958 Message: 6958

Greetings,

In previous firmware the bandscope and s-meter followed the VFO dial without interruption. With the new firmware both bandscope and s-meter stalls when dialing over the band.

There is a work around which provides "old behavior" with the new firmware;

1) move the main VFO to B (push A/B for couple of seconds)
2) move RX / TX to VFO B
3) done

If you change frequency and turn VFO B you will notice both bandscope and s-meter to move with you without stalling.

Hope this is useful for others. Best regards, Onno

6959. Re: [orion565] Handy bandscope / s-meter trick with 2064x11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-06 00:07:48 UTC
From: Arkadiusz Tarniowy
Topic: 6958 Message: 6959

Hi Onno,
I just check this on my Orion I and is working fine. Only the question is why on VFOA is not working this way?Maybe John Henry from Ten Tec can explain us whay is like that?Maybe we need new firmware?Any news about new firmware for Orion I?

Thanks
Arek AC2FC

From: pa1ap <pa1ap@...>
To: orion565@yahoogroups.com
Sent: Sun, June 5, 2011 9:18:54 AM
Subject: [orion565] Handy bandscope / s-meter trick with 2064x11

Greetings,

In previous firmware the bandscope and s-meter followed the VFO dial without interruption. With the new firmware both bandscope and s-meter stalls when dialing over the band.

There is a work around which provides "old behavior" with the new firmware;

1) move the main VFO to B (push A/B for couple of seconds)
2) move RX / TX to VFO B
3) done

If you change frequency and turn VFO B you will notice both bandscope and s-meter to move with you without stalling.

Hope this is useful for others. Best regards, Onno

[Non-text portions of this message have been removed]

6960. comparison 2.039d vs 2.044a

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-10 19:52:33 UTC
From: orion565-owner@yahoogroups.com
Topic: 6960 Message: 6960

Hello O2ers,

It has been about a year since the changes have been introduced in the 2.044a firmware.

I would like to poll our group for which of the two non beta firmwares they prefer. I also would like to know also why you prefer the version you have decided to remain with.

Thank you for your participation.

73,

Mike
W2AJI
Owner Orion 565 Reflector

6961. RE: [orion565] comparison 2.039d vs 2.044a

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-10 20:10:35 UTC
From: C Dwight Baker
Topic: 6960 Message: 6961

Mike, thank you for the inquiry. I have recently obtained the O2 and am not sufficiently informed to comment. I like the rig and cannot comment either way about the software version.

73, Dwight W4IJY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of orion565-owner@yahoogroups.com
Sent: Friday, June 10, 2011 3:53 PM
To: orion565@yahoogroups.com
Subject: [orion565] comparison 2.039d vs 2.044a

Hello O2ers,

It has been about a year since the changes have been introduced in the 2.044a firmware.

I would like to poll our group for which of the two non beta firmwares they prefer. I also would like to know also why you prefer the version you have decided to remain with.

Thank you for your participation.

73,

Mike
W2AJI
Owner Orion 565 Reflector

[Non-text portions of this message have been removed]

6962. Re: Thermostatic control for the Orion II cooling fan

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-10 20:33:28 UTC
From: floydsense
Topic: 6935 Message: 6962

It's not a kit. Far Circuits has the board available, but you'll have to come up with the parts yourself. A copy of the QST article comes with the board from FAR, or you can get a copy of the article from ARRL if you're a member. Here's a link to Far Circuits: www.farcircuits.net/ . The best thing to do is go to the bottom of that page and use the link to download their catalog in PDF form, then search for "Fan". It's not much of a catalog - just a list of boards available.

73, K8AC

--- In orion565@yahoogroups.com, Timothy Randa <randaranch@...> wrote:
>
> Floyd...can you post a link to this kit? Sure sounds like a neat project
>
> Tim KØFL
>
> On Thu, Jun 2, 2011 at 8:25 AM, Barry N1EU <barry.n1eu@...> wrote:
>
> >
> >
> > Nice job Floyd - I've added the info to the Ten-Tec Wiki
> >
> > 73, Barry N1EU
> >
> >
> > On Thu, Jun 2, 2011 at 8:55 AM, floydsense <floyd@...> wrote:
> >
> > >
> > >
> > > I just recently acquired my Orion II and was surprised that the optional
> > > cooling fan that was installed ran all the time. My other transceivers
> > going
> > > back 20 years all had thermostatic fan control so you didn't have to
> > listen
> > > to the fan running if you're just listening to the receiver.
> > >
> > > While combing through the Far Circuits stuff at Dayton, I picked up one
> > of
> > > their little circuit boards for building a thermostatic fan controller.
> > The
> > > circuit is from an article in June 1994 QST by Bertram Kolts, WA0WZI,
> > > titled: "An Automatic Temperature-Controlled Fan" and I've used it a few
> > > times in the past, usually building it on a small piece of perf board.
> > >
> > > This provides a no-holes, plug-in mod that I used to prevent the Orion
> > fan

> > > from running unless the heat sink reaches the adjustable turn-on
> > > temperature. I secured the board to the side of the fan housing with
> > velcro,
> > > and the fan gets its power from the board which gets its power from the
> > > 13.8V jack you'd plug the fan into normally. The only other item to mount
> > is
> > > the thermistor, which you can glue into a 1/2" long, 1/4" diameter piece
> > of
> > > metal tubing, which is then force-fit between the two top fins on the
> > heat
> > > sink. The Orion fan mounting bracket is such that air is not drawn
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> > > those two fins, so the thermistor will not be cooled directly by the
> > fan's
> > > air flow.
> > >
> > > The circuit includes a temperature set mini-pot on the board and I set it
> > > so that the fan is off after the Orion has been powered on for several
> > > hours. With that setting, the fan came on a couple of times during
> > operation
> > > in the CQ WPX CW contest. It would be easy to adjust the pot so that the
> > fan
> > > comes on only when operating the digital modes for extended periods.
> > >
> > > Total cost would be in the area of $15 even buying everything new. The
> > mod
> > > can be easily removed, leaving no trace.
> > >
> > > 73, Floyd - K8AC
> > >
> > >
> > >
> > >
> > [Non-text portions of this message have been removed]
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> >
>
>
> [Non-text portions of this message have been removed]
>

6963. Re: comparison 2.039d vs 2.044a

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-10 20:35:44 UTC
From: floydsense
Topic: 6960 Message: 6963

For those of us who came to the Orion II party late, where does one find a comparison of functions in the two versions? Can 2.039d still be downloaded from somewhere?

73, K8AC

--- In orion565@yahoogroups.com, orion565-owner@yahoogroups.com wrote:
>
> Hello O2ers,
>
> It has been about a year since the changes have been introduced in the 2.044a firmware.
>
> I would like to poll our group for which of the two non beta firmwares they prefer. I also would like to know also why you prefer the version you have decided to remain with.
>
> Thank you for your participation.
>
> 73,
>
> Mike
> W2AJI
> Owner Orion 565 Reflector
>

6964. Re: [orion565] Re: comparison 2.039d vs 2.044a

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-10 21:17:33 UTC
From: Billy Cox
Topic: 6960 Message: 6964

http://www.tentecwiki.org/doku.php?id=566firmware

73 de Billy, AA4NU

-----Original Message-----
>From: floydsense <floyd@...>

>For those of us who came to the Orion II party late, where does one find a comparison of functions in the two versions? Can 2.039d still be downloaded from somewhere?
>
>73, K8AC
>
>--- In orion565@yahoogroups.com, orion565-owner@yahoogroups.com wrote:
>>
>> Hello O2ers,
>>
>> It has been about a year since the changes have been introduced in the 2.044a firmware.
>>
>> I would like to poll our group for which of the two non beta firmwares they prefer. I also would like to know also why you prefer the version you have decided to remain with.
>>
>> Thank you for your participation.
>>
>> 73,
>>
>> Mike
>> W2AJI
>> Owner Orion 565 Reflector

6965. Re: [orion565] comparison 2.039d vs 2.044a

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-10 21:47:21 UTC
From: Joe Malloy
Topic: 6960 Message: 6965

How about 2.064x11? I've been using it without too many concerns...

73,

Joe, W2RBA

From: "orion565-owner@yahoogroups.com" <orion565-owner@yahoogroups.com>
To: orion565@...m
Sent: Friday, June 10, 2011 3:52 PM
Subject: [orion565] comparison 2.039d vs 2.044a

Hello O2ers,

It has been about a year since the changes have been introduced in the 2.044a firmware.

I would like to poll our group for which of the two non beta firmwares they prefer. I also would like to know also why you prefer the version you have decided to remain with.

Thank you for your participation.

73,

Mike
W2AJI
Owner Orion 565 Reflector

Yahoo! Groups Links

[Non-text portions of this message have been removed]

6966. RE: [orion565] comparison 2.039d vs 2.044a

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-10 23:59:44 UTC
From: Andrew B. Steen
Topic: 6960 Message: 6966

Wrong Radio Joe, were talking O II 566 model

Andrew, K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Joe Malloy
Sent: Friday, June 10, 2011 2:47 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] comparison 2.039d vs 2.044a

How about 2.064x11? I've been using it without too many concerns...

73,

Joe, W2RBA

From: "orion565-owner@yahoogroups.com <mailto:orion565-owner%40yahoogroups.com> " <orion565-owner@yahoogroups.com <mailto:orion565-owner%40yahoogroups.com> >
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Sent: Friday, June 10, 2011 3:52 PM
Subject: [orion565] comparison 2.039d vs 2.044a

Hello O2ers,

It has been about a year since the changes have been introduced in the 2.044a firmware.

I would like to poll our group for which of the two non beta firmwares they prefer. I also would like to know also why you prefer the version you have decided to remain with.

Thank you for your participation.

73,

Mike
W2AJI
Owner Orion 565 Reflector

Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6967. Re: comparison 2.039d vs 2.044a

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-11 12:50:58 UTC
From: floydsense
Topic: 6960 Message: 6967

OK - thanks. I've looked that over carefully and find it rather confusing. Ordinarily, one would expect subsequent versions of software to include features of previous versions, but that doesn't appear to be the case with the Orion II code. For example, 2.041 mentions an enlarged sweep display and a "tuning cursor", neither of which appear to be in 2.044. If I were to download 2.039 or 2.041 to replace my current 2.044, would any of my current functions disappear or have problems?

73, K8AC

--- In orion565@yahoogroups.com, Billy Cox <aa4nu@...> wrote:
>
>
> http://www.tentecwiki.org/doku.php?id=566firmware
>
> 73 de Billy, AA4NU
>
> -----Original Message-----
> >From: floydsense <floyd@...>
>
> >For those of us who came to the Orion II party late, where does one find a comparison of functions in the two versions? Can 2.039d still be downloaded from somewhere?
> >
> >73, K8AC
> >

6968. Re: [orion565] Re: comparison 2.039d vs 2.044a

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-11 12:56:57 UTC
From: Billy Cox
Topic: 6960 Message: 6968

Yes, both were removed from the previous version due
to challenges. Ditto for the 'waterfall' option.

In other words, 2.044 added some new things and also
removed some things not quite ready for prime time.

73 de Billy, AA4NU

-----Original Message-----
>From: floydsense <floyd@...>
>Sent: Jun 11, 2011 7:50 AM
>To: orion565@yahoogroups.com
>Subject: [orion565] Re: comparison 2.039d vs 2.044a
>
>OK - thanks. I've looked that over carefully and find it rather confusing. Ordinarily, one would expect subsequent versions of software to include features of previous versions, but that doesn't appear to be the case with the Orion II code. For example, 2.041 mentions an enlarged sweep display and a "tuning cursor", neither of which appear to be in 2.044. If I were to download 2.039 or 2.041 to replace my current 2.044, would any of my current functions disappear or have problems?
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>73, K8AC
>
>--- In orion565@yahoogroups.com, Billy Cox <aa4nu@...> wrote:
>>
>>
>> http://www.tentecwiki.org/doku.php?id=566firmware
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>> 73 de Billy, AA4NU
>>
>> -----Original Message-----
>> >From: floydsense <floyd@...>
>>
>> >For those of us who came to the Orion II party late, where does one find a comparison of functions in the two versions? Can 2.039d still be downloaded from somewhere?
>> >
>> >73, K8AC
>> >
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>

>Yahoo! Groups Links
>
>
>

6969. PSK-31 Settings for the Orion (1)

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-21 03:52:06 UTC
From: Jim Koshmider
Topic: 6969 Message: 6969

Greetings to all -

I would sure appreciate some help in solving the following problem:

I am trying PSK-31 for the first time today - using the TT "Sound Card Interface Cable" and using the fldigi software.

I can receive OK (although I wonder if I have the optimum settings for receive).

When I try calling CQ, or try to respond to anopther station calling CQ, I don't see any indication of power out from my Orion. When I click on CQ, the fldigi screen shows "CQ CQ CQ de K8OZ K8OZ K8OZ" and then it repeats the same message, ending with "...pse k" (if I remember correctly). The receiver goes mute, but I don't see any indication of power out on the Orion's meter, nor on an in-line power output meter.

I have the power level set at 30 Watts, the VOX set to ON, the MODE set to USB, the Speech Processor OFF, the BW set at 2000, and I have tried varying the Mic Gain while calling CQ, but still nothing showing as output.

Thanks for any help with finding the missing link(s).

73,

Jim, K8OZ

.

[Non-text portions of this message have been removed]

6970. RE: [orion565] PSK-31 Settings for the Orion (1)

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-21 08:54:26 UTC
From: Alan Shafer
Topic: 6969 Message: 6970

Go to Menus / SSB and set the TX Audio Source to Aux or Both.

[Non-text portions of this message have been removed]

6971. Re: [orion565] PSK-31 Settings for the Orion (1)

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-21 11:02:05 UTC
From: Bob McGraw - K4TAX
Topic: 6969 Message: 6971

You will need to select the AUX Input or Line input as the audio source. The 712 interface plugs into the AUX input. The mike gain has no effect. Set the radio PWR to 100 watts and tune the radio as normal for 100 watts output. Adjust the LINE Gain on the radio for about 30% to 50%. Adjust the software transmit audio level for about 30 watts output as indicated on the radio or external power meter. The VOX should be off as the 712 handles the PTT switching.

73
Bob, K4TAX

----- Original Message -----
From: Jim Koshmider
To: orion565@yahoogroups.com
Sent: Monday, June 20, 2011 10:52 PM
Subject: [orion565] PSK-31 Settings for the Orion (1)

Greetings to all -

I would sure appreciate some help in solving the following problem:

I am trying PSK-31 for the first time today - using the TT "Sound Card Interface Cable" and using the fldigi software.

I can receive OK (although I wonder if I have the optimum settings for receive).

When I try calling CQ, or try to respond to anopther station calling CQ, I don't see any indication of power out from my Orion. When I click on CQ, the fldigi screen shows "CQ CQ CQ de K8OZ K8OZ K8OZ" and then it repeats the same message, ending with "...pse k" (if I remember correctly). The receiver goes mute, but I don't see any indication of power out on the Orion's meter, nor on an in-line power output meter.

I have the power level set at 30 Watts, the VOX set to ON, the MODE set to USB, the Speech Processor OFF, the BW set at 2000, and I have tried varying the Mic Gain while calling CQ, but still nothing showing as output.

Thanks for any help with finding the missing link(s).

73,

Jim, K8OZ

.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6972. Re: [orion565] PSK-31 Settings for the Orion (1)

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-21 11:04:38 UTC
From: Bob McGraw - K4TAX
Topic: 6969 Message: 6972

I strongly suggest that you do not use BOTH as a selection. During transmit the MIC will be active and noise within the room will be transmitted along with the PSK signal. Not good & not legal.

73
Bob, K4TAX

----- Original Message -----
From: Alan Shafer
To: orion565@yahoogroups.com
Sent: Tuesday, June 21, 2011 3:54 AM
Subject: RE: [orion565] PSK-31 Settings for the Orion (1)

Go to Menus / SSB and set the TX Audio Source to Aux or Both.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6973. Re: [orion565] PSK-31 Settings for the Orion (1)

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-21 11:32:50 UTC
From: Timothy Randa
Topic: 6969 Message: 6973

Go to your menu..under SSB make sure the TX audio source is set to Both

Tim K?FL

On Mon, Jun 20, 2011 at 10:52 PM, Jim Koshmider <k8oz1@...> wrote:

> **
>
>
> Greetings to all -
>
> I would sure appreciate some help in solving the following problem:
>
> I am trying PSK-31 for the first time today - using the TT "Sound Card
> Interface Cable" and using the fldigi software.
>
> I can receive OK (although I wonder if I have the optimum settings for
> receive).
>
> When I try calling CQ, or try to respond to anopther station calling CQ, I
> don't see any indication of power out from my Orion. When I click on CQ,
> the fldigi screen shows "CQ CQ CQ de K8OZ K8OZ K8OZ" and then it repeats the
> same message, ending with "...pse k" (if I remember correctly). The
> receiver goes mute, but I don't see any indication of power out on the
> Orion's meter, nor on an in-line power output meter.
>
> I have the power level set at 30 Watts, the VOX set to ON, the MODE set to
> USB, the Speech Processor OFF, the BW set at 2000, and I have tried varying
> the Mic Gain while calling CQ, but still nothing showing as output.
>
> Thanks for any help with finding the missing link(s).
>
> 73,
>
> Jim, K8OZ
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6974. Orion I won't boot - only boots after master reset??

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-21 15:48:19 UTC
From: w5xj2011
Topic: 6974 Message: 6974

I have an Orion I with latest software installed and lately when I power up it starts as normal but never fully boots, display shows nothing and the analog meter does not light up. The only cure is a master reset. I hate to have to reset every time so do any users have any suggestions for the cause or a cure?

73 & good DX to you,

Grant | W 5 X J

6975. Re: [orion565] Orion I won't boot - only boots after master reset??

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-21 15:54:54 UTC
From: Barry N1EU
Topic: 6974 Message: 6975

I would reflash the firmware.

73, Barry N1EU

On Tue, Jun 21, 2011 at 11:48 AM, w5xj2011 <cole505@...> wrote:

> **
>
>
> I have an Orion I with latest software installed and lately when I power up
> it starts as normal but never fully boots, display shows nothing and the
> analog meter does not light up. The only cure is a master reset. I hate to
> have to reset every time so do any users have any suggestions for the cause
> or a cure?
>
> 73 & good DX to you,
>
> Grant | W 5 X J
>
>
>

[Non-text portions of this message have been removed]

6976. Re: [orion565] PSK-31 Settings for the Orion (1)

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-21 16:14:31 UTC
From: AshaferS@neo.rr.com
Topic: 6969 Message: 6976

OK on NOT using BOTH. I don't have the mike plugged into my Orion and mainly operate CW so that may be the reason I have not had any issues with using the BOTH selection. Good point, TNX Bob.

Alan, AC8AP

---- Bob McGraw - K4TAX <RMcGraw@...> wrote:
> I strongly suggest that you do not use BOTH as a selection. During transmit the MIC will be active and noise within the room will be transmitted along with the PSK signal. Not good & not legal.
>
> 73
> Bob, K4TAX
>
>
> ----- Original Message -----
> From: Alan Shafer
> To: orion565@yahoogroups.com
> Sent: Tuesday, June 21, 2011 3:54 AM
> Subject: RE: [orion565] PSK-31 Settings for the Orion (1)
>
>
>
> Go to Menus / SSB and set the TX Audio Source to Aux or Both.
>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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6977. Re: [orion565] Orion I won't boot - only boots after master reset??

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-21 21:35:45 UTC
From: gary strong
Topic: 6974 Message: 6977

Grant,
I had the same problem with my Orion II when I tried to use my Windows 7 64 bit to load the software. It basically left the radio in an unknown state. I did a master reset and re-loaded the software using an XP machine and all is fine. My understanding is you can also use the Eagle's loader but point to the Orion file. The Eagle's loader works fine with Win 7 64 bit (see a previous Ten Tec post). This doesn't happen on all Windows 7 machines, just some but Ten Tec did isolate the problem.

In addition, if you happen to be running Windows 7, the ftdi usb/rs232 adapters work great while I could never get the prolific to work.

Gary KO?Q

On Tue, Jun 21, 2011 at 10:48 AM, w5xj2011 <cole505@...> wrote:

> **
>
>
> I have an Orion I with latest software installed and lately when I power up
> it starts as normal but never fully boots, display shows nothing and the
> analog meter does not light up. The only cure is a master reset. I hate to
> have to reset every time so do any users have any suggestions for the cause
> or a cure?
>
> 73 & good DX to you,
>
> Grant | W 5 X J
>
>
>

[Non-text portions of this message have been removed]

6978. Re: [orion565] Orion I won't boot - only boots after master reset??

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-22 00:14:26 UTC
From: Bob McGraw - K4TAX
Topic: 6974 Message: 6978

There is a history of issues with capacitors on the power distribution board. Likely the boot process starts with the microprocessor running before power is stable thus data is corrupt or not loaded correctly.

Also there may be a RAM battery issue. Worth a call and speak with Paul at Tentec.

73
Bob, K4TAX

----- Original Message -----
From: w5xj2011
To: orion565@yahoogroups.com
Sent: Tuesday, June 21, 2011 10:48 AM
Subject: [orion565] Orion I won't boot - only boots after master reset??

I have an Orion I with latest software installed and lately when I power up it starts as normal but never fully boots, display shows nothing and the analog meter does not light up. The only cure is a master reset. I hate to have to reset every time so do any users have any suggestions for the cause or a cure?

73 & good DX to you,

Grant | W 5 X J

[Non-text portions of this message have been removed]

6979. Orion II and Heil 5.1 cartridge

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-26 01:42:44 UTC
From: Tony Sokol
Topic: 6979 Message: 6979

Hi Gang,
I am curious if anyone has tried the New Heil GM-5 Elite microphone with the HC-5.1 cartridge in it. I picked one up at Dayton and got a real surprise when I hooked it up to my Orion II and Omni VII. The drive level is waaaaaay down compared to the old HC-5 cartridge and the TT 709. I have everything cranked way up including the hardware gain, processor, and mic gain just to be able to get it to drive the Orion's ALC light. (I need a lot of audio to get the max 85 watts output from the Orion.) It's usable but darn! Anyone have any similar experience. The new Elite case in nice with the flat black finish and bright gold screen. Oh, and I did send it to the factory to make sure that I didn't get a bad one and they returned it with no comment except "warranty replacement". it is the same as the one I sent in, low output.

73
Tony - W9JXN

6980. Re: Orion II and Heil 5.1 cartridge

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-26 09:48:18 UTC
From: pa1ap
Topic: 6979 Message: 6980

Hi,

Using ORION-1 I found the following in the past;

1- I did not receive official confirmation on my findings but I believe the TX equalizer is excluded from the ALC routine. In other words; the ALC is frequency independent.

2- Microphones with flat response combined with voice characteristics determine how ALC will respond. The frequencies with highest amplitude will drive ALC. A studio mic is not suitable for most SSB communication unless you start messing around with audio equalizers / processors which makes the whole excercise over the top IMHO unless you aim for Barry White or Lady Gaga kind of communication...

3- In my case the studio mic was flat from about 75Hz and apparently while talking some of the low frequencies triggered ALC at weird moments. At first I thought RFI was getting into my audio chain but only after including a high pass filter (200Hz+) ALC started operating normal again.

4- Turning up mic gain without the high pass filter just made the ALC behaving more weird since the low frequencies got serious impact on the ALC.

5- Unless TT fixed the ALC pick up point (or my observation is wrong) my quess would be that your communication grade microphone combined with your voice triggers ALC at undesired frequencies for SSB communication.

6- Perhaps it is worth to try including TX equalizer (in case TT ALC is behind TX equalizer...) and actually turning down the mic gain. Try to create the high pass filter scenario and see if the ALC now follows your voice peaks. If so, you have to find a good balance between high/low cut-off point

7- last but not least; you can also turn up the MIC audio by turning the mic potentiometer as available through a small hole at the bottom of the Orion. This will make the mix audio more sensitive. I have adjusted it to almost maximum using the TT 708 microphone.

When I find the time I will test the ALC routine combined with TX equalizer using the latest firmware (Orion 565 2064x11) using external tone generator... Generate a tone at for example 250hz, adjust volume that ALC just switched on and then include TX equalizer to see if the ALC trigger changes. That will confirm ALC frequency (in)dependency....

Hope this helps,

regards, Onno

--- In orion565@yahoogroups.com, Tony Sokol <tonysokol@...> wrote:
>
> Hi Gang,
> I am curious if anyone has tried the New Heil GM-5 Elite microphone
> with the HC-5.1 cartridge in it. I picked one up at Dayton and got a

> real surprise when I hooked it up to my Orion II and Omni VII. The
> drive level is waaaaaay down compared to the old HC-5 cartridge and the
> TT 709. I have everything cranked way up including the hardware gain,
> processor, and mic gain just to be able to get it to drive the Orion's
> ALC light. (I need a lot of audio to get the max 85 watts output from
> the Orion.) It's usable but darn! Anyone have any similar experience.
> The new Elite case in nice with the flat black finish and bright gold
> screen. Oh, and I did send it to the factory to make sure that I didn't
> get a bad one and they returned it with no comment except "warranty
> replacement". it is the same as the one I sent in, low output.
>
> 73
> Tony - W9JXN
>

6981. Re: Orion II and Heil 5.1 cartridge

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-26 11:15:07 UTC
From: pa1ap
Topic: 6979 Message: 6981

Performed a quick test and using the latest 2064x11 firmware the ALC is -behind- the TX equalizer. Good news!

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Hi,
>
> Using ORION-1 I found the following in the past;
>
> 1- I did not receive official confirmation on my findings but I believe the TX equalizer is excluded from the ALC routine. In other words; the ALC is frequency independent.
>
> 2- Microphones with flat response combined with voice characteristics determine how ALC will respond. The frequencies with highest amplitude will drive ALC. A studio mic is not suitable for most SSB communication unless you start messing around with audio equalizers / processors which makes the whole excercise over the top IMHO unless you aim for Barry White or Lady Gaga kind of communication...
>
> 3- In my case the studio mic was flat from about 75Hz and apparently while talking some of the low frequencies triggered ALC at weird moments. At first I thought RFI was getting into my audio chain but only after including a high pass filter (200Hz+) ALC started operating normal again.
>
> 4- Turning up mic gain without the high pass filter just made the ALC behaving more weird since the low frequencies got serious impact on the ALC.
>
> 5- Unless TT fixed the ALC pick up point (or my observation is wrong) my quess would be that your communication grade microphone combined with your voice triggers ALC at undesired frequencies for SSB communication.
>
> 6- Perhaps it is worth to try including TX equalizer (in case TT ALC is behind TX equalizer...) and actually turning down the mic gain. Try to create the high pass filter scenario and see if the ALC now follows your voice peaks. If so, you have to find a good balance between high/low cut-off point
>
> 7- last but not least; you can also turn up the MIC audio by turning the mic potentiometer as available through a small hole at the bottom of the Orion. This will make the mix audio more sensitive. I have adjusted it to almost maximum using the TT 708 microphone.
>
> When I find the time I will test the ALC routine combined with TX equalizer using the latest firmware (Orion 565 2064x11) using external tone generator... Generate a tone at for example 250hz, adjust volume that ALC just switched on and then include TX equalizer to see if the ALC trigger changes. That will confirm ALC frequency (in)dependency....
>

> Hope this helps,
>
> regards, Onno
>
>
> --- In orion565@yahoogroups.com, Tony Sokol <tonysokol@> wrote:
> >
> > Hi Gang,
> > I am curious if anyone has tried the New Heil GM-5 Elite microphone
> > with the HC-5.1 cartridge in it. I picked one up at Dayton and got a
> > real surprise when I hooked it up to my Orion II and Omni VII. The
> > drive level is waaaaaay down compared to the old HC-5 cartridge and the
> > TT 709. I have everything cranked way up including the hardware gain,
> > processor, and mic gain just to be able to get it to drive the Orion's
> > ALC light. (I need a lot of audio to get the max 85 watts output from
> > the Orion.) It's usable but darn! Anyone have any similar experience.
> > The new Elite case in nice with the flat black finish and bright gold
> > screen. Oh, and I did send it to the factory to make sure that I didn't
> > get a bad one and they returned it with no comment except "warranty
> > replacement". it is the same as the one I sent in, low output.
> >
> > 73
> > Tony - W9JXN
> >
>

6982. Orion won't start

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-29 04:39:58 UTC
From: art davis
Topic: 6982 Message: 6982

While performing a flash upgrade on my Orion 565, there was a failure in my computer com port which stopped the process after about 10 lines had been processed. Now the radio won't boot but just sits there with the "System Loading" message displayed on the screen. It will go into Flash Update Mode, but will not communicate with the computer (different computer) through the com port. After 5 seconds or so after starting the update process, the computer displays the message "Communication with the radio has failed..." It will not perform a master reset or RAM clear.

Any suggestions short of sending it to Sevierville?

Art Davis
N4UC

[Non-text portions of this message have been removed]

6983. Re: [orion565] Orion won't start

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-29 16:41:36 UTC
From: gary strong
Topic: 6982 Message: 6983

Art,
I had the same problem and if by chance your using a Windows 7 computer, others have noted it as well. Not all Windows 7 computers, just some. I solved my issue by doing a master reset and then using a Windows XP laptop with an RS232 cable. I understand Ten Tec has found the issue, and it was fixed in the new loader. If your still having trouble, I'd do the XP route the same as I did.

Last minor thought, the typical USB / RS232 cable uses a Prolific chipset. If you use the FTDI chipset instead (a buck or two more on Ebay), the converters work much better in Windows 7.

Gary KO?Q

On Tue, Jun 28, 2011 at 11:39 PM, art davis <n4uc@...> wrote:

> **
>
>
>
> While performing a flash upgrade on my Orion 565, there was a failure in my
> computer com port which stopped the process after about 10 lines had been
> processed. Now the radio won't boot but just sits there with the "System
> Loading" message displayed on the screen. It will go into Flash Update Mode,
> but will not communicate with the computer (different computer) through the
> com port. After 5 seconds or so after starting the update process, the
> computer displays the message "Communication with the radio has failed..."
> It will not perform a master reset or RAM clear.
>
> Any suggestions short of sending it to Sevierville?
>
> Art Davis
> N4UC
>
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[Non-text portions of this message have been removed]

6984. Re: [orion565] Orion won't start

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-29 20:33:32 UTC
From: John Graves
Topic: 6982 Message: 6984

Art,

I don't know about the Orion but I messed up the loading on my Jupiter. TT sent a chip that had the current f/w and I sent back my messed up chip. Call support and see what they say. It's only a phone call away.

John -- WA1JG

WA1JG@...

On 6/29/2011 12:39 AM, art davis wrote:
>
>
> While performing a flash upgrade on my Orion 565, there was a failure
> in my computer com port which stopped the process after about 10 lines
> had been processed. Now the radio won't boot but just sits there with
> the "System Loading" message displayed on the screen. It will go into
> Flash Update Mode, but will not communicate with the computer
> (different computer) through the com port. After 5 seconds or so after
> starting the update process, the computer displays the message
> "Communication with the radio has failed..." It will not perform a
> master reset or RAM clear.
>
> Any suggestions short of sending it to Sevierville?
>
> Art Davis
> N4UC
>
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

6985. RE: [orion565] Orion won't start

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-29 20:35:52 UTC
From: art davis
Topic: 6982 Message: 6985

Thanks Gary. No, using XP here with RS-232 cable. Just one COM port on the computer, but that's enough. I'm wondering if the firmware got halfway updated, would that keep the radio from understanding the TX/RX button being held down for a master reset? That could explain why it won't do a master reset or a Ram clear or anything.

> To: orion565@yahoogroups.com
> From: gstrongx@...
> Date: Wed, 29 Jun 2011 11:41:36 -0500
> Subject: Re: [orion565] Orion won't start
>
> Art,
> I had the same problem and if by chance your using a Windows 7 computer,
> others have noted it as well. Not all Windows 7 computers, just some. I
> solved my issue by doing a master reset and then using a Windows XP laptop
> with an RS232 cable. I understand Ten Tec has found the issue, and it was
> fixed in the new loader. If your still having trouble, I'd do the XP route
> the same as I did.
>
> Last minor thought, the typical USB / RS232 cable uses a Prolific chipset.
> If you use the FTDI chipset instead (a buck or two more on Ebay), the
> converters work much better in Windows 7.
>
> Gary KOØQ
>
> On Tue, Jun 28, 2011 at 11:39 PM, art davis <n4uc@...> wrote:
>
> > **
> > >
> > >
> > >
> > While performing a flash upgrade on my Orion 565, there was a failure in my
> > computer com port which stopped the process after about 10 lines had been
> > processed. Now the radio won't boot but just sits there with the "System
> > Loading" message displayed on the screen. It will go into Flash Update Mode,
> > but will not communicate with the computer (different computer) through the
> > com port. After 5 seconds or so after starting the update process, the
> > computer displays the message "Communication with the radio has failed..."
> > It will not perform a master reset or RAM clear.
> > >
> > Any suggestions short of sending it to Sevierville?
> > >
> > Art Davis
> > N4UC
> > >
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6986. Re: [orion565] Orion won't start

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-30 00:16:49 UTC
From: gary strong
Topic: 6982 Message: 6986

Art,
Mine was able to master reset, but it sounds like your is really stuck.
Sounds like a call to TT support to me.
Gary

On Wed, Jun 29, 2011 at 3:35 PM, art davis <n4uc@...> wrote:

> **
>
>
>
> Thanks Gary. No, using XP here with RS-232 cable. Just one COM port on the
> computer, but that's enough. I'm wondering if the firmware got halfway
> updated, would that keep the radio from understanding the TX/RX button being
> held down for a master reset? That could explain why it won't do a master
> reset or a Ram clear or anything.
>
> > To: orion565@yahoogroups.com
> > From: gstrongx@gmail.com
> > Date: Wed, 29 Jun 2011 11:41:36 -0500
> > Subject: Re: [orion565] Orion won't start
> > >
> > Art,
> > I had the same problem and if by chance your using a Windows 7 computer,
> > others have noted it as well. Not all Windows 7 computers, just some. I
> > solved my issue by doing a master reset and then using a Windows XP
> laptop
> > with an RS232 cable. I understand Ten Tec has found the issue, and it was
> > fixed in the new loader. If your still having trouble, I'd do the XP
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> > the same as I did.
> > >
> > Last minor thought, the typical USB / RS232 cable uses a Prolific
> chipset.
> > If you use the FTDI chipset instead (a buck or two more on Ebay), the
> > converters work much better in Windows 7.
> > >
> > Gary KO?Q
> > >
> > On Tue, Jun 28, 2011 at 11:39 PM, art davis <n4uc@...> wrote:
> > >
> > > **
> > >
> > >
> > >

> > > While performing a flash upgrade on my Orion 565, there was a failure
> in my
> > > computer com port which stopped the process after about 10 lines had
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> > > processed. Now the radio won't boot but just sits there with the
> "System
> > > Loading" message displayed on the screen. It will go into Flash Update
> Mode,
> > > but will not communicate with the computer (different computer) through
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> > > com port. After 5 seconds or so after starting the update process, the
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> failed..."
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> > > Any suggestions short of sending it to Sevierville?
> > >
> > > Art Davis
> > > N4UC
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[Non-text portions of this message have been removed]

6987. Re: Orion won't start

Yahoo group: orion565 (2009 — 2013)
Date: 2011-06-30 06:47:05 UTC
From: pa1ap
Topic: 6982 Message: 6987

I would suggest to test the serial port status... You might have a defective serial port / cable. I uploaded a test program a while back which will perform serial testing in case you don not have a serial breakoutbox. To my knowledge the upgrade procedure runs on top of a bootloader routine which provides you the upgrade screen when you switch on the rig. after that the firmware can be send to the orion and besides RX/TX aso CTS is used to ensure the firmware can be downloaded. In case the serial cable is defective (or does not have the correct wire layout) the firmware upgrade will not work. In case the max 232 chip on the logic board is busted due to ESD (non grounded rig and/or computer) you will not be able to upgrade the rig. If thats the case you need to have the max-232 chip being replaced by either sending the rig or the logic board (cheaper) to TT. Are you postive that Orion and computer where grounded to the same ground when connecting the serial cable??? In case they were not there is a high chance the max 232 chip is defect. Hope your rig gets fixed soon. Regards, Onno

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:
>
>
> While performing a flash upgrade on my Orion 565, there was a failure in my computer com port which stopped the process after about 10 lines had been processed. Now the radio won't boot but just sits there with the "System Loading" message displayed on the screen. It will go into Flash Update Mode, but will not communicate with the computer (different computer) through the com port. After 5 seconds or so after starting the update process, the computer displays the message "Communication with the radio has failed..." It will not perform a master reset or RAM clear.
>
> Any suggestions short of sending it to Sevierville?
>
> Art Davis
> N4UC
>
>
> [Non-text portions of this message have been removed]
>

6988. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-02 14:24:27 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 6988

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Orion 565 (1) LCD /orion LCD current reduction.pdf
Uploaded by : pa1ap <pa1ap@...>
Description : Orion 565 LCD backlight current reduction to avoid pixel saturation and
improve contrast. Modification at own risk.

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/Orion%20565%20%281%29%20LCD%20/orion%20LCD%20
current%20reduction.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

pa1ap <pa1ap@...>

6989. Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-03 21:40:24 UTC
From: ve7tk
Topic: 222 Message: 6989

Well Onno I have dug into the 565 and found a strange result. The six resistors on your rig are 2 - 33 ohm and 4 - 47 ohm.

In my rig there are:

3 - 47 ohm
2 - 33 ohm
1 - 1,000 ohm (Yes a 102)

A net total effect of about 8 ohms vs your original 6.9 ohms.

In 2009 I replaced the original black/White screen with a new version from T-T. So I removed just the pair of 33 ohm resistors and all seems well.

The display started up VERY close to where I would normally set it and stayed there. Historically it would start up very light / washed-out and take 1 or 2 minutes to get to the contrast that I normally like.

Thanks for all your efforts on this problem. I'll keep you posted with updates if anything changes.

73, Rick
VE7TK

PS: I forgot how MANY screws there are to get to the logic board - hi!!

--- In orion565@yahoogroups.com, orion565@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the orion565
> group.
>
> File : /Orion 565 (1) LCD /orion LCD current reduction.pdf
> Uploaded by : pa1ap <pa1ap@...>
> Description : Orion 565 LCD backlight current reduction to avoid pixel saturation and improve contrast. Modification at own risk.
>
> You can access this file at the URL:
> http://groups.yahoo.com/group/orion565/files/Orion%20565%20%281%29%20LCD%20/orion%20LCD%20current%20reduction.pdf
>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> Regards,

>
> pa1ap <pa1ap@...>
>

6990. Re: Orion I won't boot - only boots after master reset??

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-06 02:22:40 UTC
From: w5xj2011
Topic: 6974 Message: 6990

Tony at Ten-Tec suggested replacing the battery as well. I will order one as now it is getting worse, it boots but there is no audio. On the 2nd boot it works but all the settings are scrammed so I bet it is the battery. I'm also going to check the caps on the power board to make sure they are not puffed up.

I will also exercise the display "pot" as well with the covers off since the display has been going in & out as well. When it is working the Orion is one hell of a great HF radio.

Thanks for all the good ideas and help!

73 & good DX de W 5 X J
Grant in Dallas, Texas

--- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
>
> There is a history of issues with capacitors on the power distribution board. Likely the boot process starts with the microprocessor running before power is stable thus data is corrupt or not loaded correctly.
>
> Also there may be a RAM battery issue. Worth a call and speak with Paul at Tentec.
>
> 73
> Bob, K4TAX
>
>
> ----- Original Message -----
> From: w5xj2011
> To: orion565@yahoogroups.com
> Sent: Tuesday, June 21, 2011 10:48 AM
> Subject: [orion565] Orion I won't boot - only boots after master reset??
>
>
>
> I have an Orion I with latest software installed and lately when I power up it starts as normal but never fully boots, display shows nothing and the analog meter does not light up. The only cure is a master reset. I hate to have to reset every time so do any users have any suggestions for the cause or a cure?
>
> 73 & good DX to you,
>
> Grant | W 5 X J
>
>
>
>
>

> [Non-text portions of this message have been removed]
>

6991. Remote Control Head for TT Hercules II Amp Wanted

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-06 02:32:22 UTC
From: w5xj2011
Topic: 6991 Message: 6991

Hello everyone, I have an operational Hercules II solid state amp and want to buy the remote control head for it. Does anyone have any info on one? I watch QRZ, Eham & QTH swap but have yet to see one advertised for sale.

Thanks, 73 & good DX de W5XJ
Grant

6993. Powering up issue

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-07 03:22:20 UTC
From: Randy
Topic: 6993 Message: 6993

I've had a problem for sometime and think I've read about here but it's been awhile. I have to turn the power on and off two or three times to get my ORION II to work. The initial power up starts and then the audio drops out after a second or two. I remember reading about about this but cant remember what was causing this? Power supply board?

My second issue I noticed for the first time this weekend operating very heavily. 20M will die out after heavy operating. What I mean by heavy operating is operating in a contest. I can see the the ALC just stop lighting up/peaking and no output power. Are these related issues?

Thanks for any input
73
Randy
KB3IFH

6994. Re: [orion565] Powering up issue

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-07 06:00:17 UTC
From: gary strong
Topic: 6993 Message: 6994

Any chance you have a bad connection from the power supply cable molex pins
to the Orion II? Have you tried a different power cable?

Gary KO?Q

On Wed, Jul 6, 2011 at 10:22 PM, Randy <randyd@...> wrote:

> **
>
>
> I've had a problem for sometime and think I've read about here but it's
> been awhile. I have to turn the power on and off two or three times to get
> my ORION II to work. The initial power up starts and then the audio drops
> out after a second or two. I remember reading about about this but cant
> remember what was causing this? Power supply board?
>
> My second issue I noticed for the first time this weekend operating very
> heavily. 20M will die out after heavy operating. What I mean by heavy
> operating is operating in a contest. I can see the the ALC just stop
> lighting up/peaking and no output power. Are these related issues?
>
> Thanks for any input
> 73
> Randy
> KB3IFH
>
>
>

[Non-text portions of this message have been removed]

6995. Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-07 07:23:48 UTC
From: pa1ap
Topic: 222 Message: 6995

Hi Rick, Thats interesting findings indeed. I did hear various LCD versions have been out there but the value of 1000 ohm resistor in such low resistance combination makes little sense.

It could have been an error in the factory and instead of 47 ohm they inserted this weird value? Anyway, on my side the current reduction made backlight and contrast far more stable and it does not harm as far as I know.

Interested to hear your experience on the change. Do I understand correctly the start-up experience changed after the current modification? And if I may ask, did you experience pixel saturation (ghost layer) over time pre or post current reduction?

best regards, Onno

--- In orion565@yahoogroups.com, "ve7tk" <ve7tk@...> wrote:
>
> Well Onno I have dug into the 565 and found a strange result. The six resistors on your rig are 2 - 33 ohm and 4 - 47 ohm.
>
> In my rig there are:
>
> 3 - 47 ohm
> 2 - 33 ohm
> 1 - 1,000 ohm (Yes a 102)
>
> A net total effect of about 8 ohms vs your original 6.9 ohms.
>
> In 2009 I replaced the original black/White screen with a new version from T-T. So I removed just the pair of 33 ohm resistors and all seems well.
>
> The display started up VERY close to where I would normally set it and stayed there. Historically it would start up very light / washed-out and take 1 or 2 minutes to get to the contrast that I normally like.
>
> Thanks for all your efforts on this problem. I'll keep you posted with updates if anything changes.
>
> 73, Rick
> VE7TK
>
> PS: I forgot how MANY screws there are to get to the logic board - hi!!
>
> --- In orion565@yahoogroups.com, orion565@yahoogroups.com wrote:
> >
> >
> > Hello,

> >
> > This email message is a notification to let you know that
> > a file has been uploaded to the Files area of the orion565
> > group.
> >
> > File : /Orion 565 (1) LCD /orion LCD current reduction.pdf
> > Uploaded by : pa1ap <pa1ap@>
> > Description : Orion 565 LCD backlight current reduction to avoid pixel saturation and improve contrast. Modification at own risk.
> >
> > You can access this file at the URL:
> > http://groups.yahoo.com/group/orion565/files/Orion%20565%20%281%29%20LCD%20/orion%20LCD%20current%20reduction.pdf
> >
> > To learn more about file sharing for your group, please visit:
> > http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> > Regards,
> >
> > pa1ap <pa1ap@>
> >
>

6996. Re: [orion565] Powering up issue

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-07 12:22:30 UTC
From: Robert Mcgraw
Topic: 6993 Message: 6996

There have been some reported issues with the pins becoming loose and heating. This causes a voltage drop. Check the connections specifically looking for heating or discoloration of the pins and related housings. Some have replaced them with PowerPole connectors.

73
Bob, K4TAX

> Any chance you have a bad connection from the power supply cable molex
> pins
> to the Orion II? Have you tried a different power cable?
>
> Gary KO?Q
>
> On Wed, Jul 6, 2011 at 10:22 PM, Randy <randyd@...> wrote:
>
>> **
>>
>>
>> I've had a problem for sometime and think I've read about here but it's
>> been awhile. I have to turn the power on and off two or three times to
>> get
>> my ORION II to work. The initial power up starts and then the audio
>> drops
>> out after a second or two. I remember reading about about this but cant
>> remember what was causing this? Power supply board?
>>
>> My second issue I noticed for the first time this weekend operating
>> very
>> heavily. 20M will die out after heavy operating. What I mean by heavy
>> operating is operating in a contest. I can see the the ALC just stop
>> lighting up/peaking and no output power. Are these related issues?
>>
>> Thanks for any input
>> 73
>> Randy
>> KB3IFH
>>
>>
>>
>
>
> [Non-text portions of this message have been removed]
>
>

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>
> Yahoo! Groups Links
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>
>

6997. RE: [orion565] Powering up issue

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-07 13:02:34 UTC
From: John Hudson
Topic: 6993 Message: 6997

On my O1, the power up was OK but when I would transmit the rig would reboot. Eventually found it to be the cheap power connector. Pulled the back off and hardwired a powerline directly to the pc board. No more issues with the rebooting

Good luck
John
KO4XJ

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of gary strong
Sent: Thursday, July 07, 2011 1:00 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Powering up issue

Any chance you have a bad connection from the power supply cable molex pins to the Orion II? Have you tried a different power cable?

Gary KOØQ

On Wed, Jul 6, 2011 at 10:22 PM, Randy <randyd@...> wrote:

> **
>
>
> I've had a problem for sometime and think I've read about here but it's
> been awhile. I have to turn the power on and off two or three times to get
> my ORION II to work. The initial power up starts and then the audio drops
> out after a second or two. I remember reading about about this but cant
> remember what was causing this? Power supply board?
>
> My second issue I noticed for the first time this weekend operating very
> heavily. 20M will die out after heavy operating. What I mean by heavy
> operating is operating in a contest. I can see the the ALC just stop
> lighting up/peaking and no output power. Are these related issues?
>
> Thanks for any input
> 73
> Randy
> KB3IFH
>
>
>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

6998. Re: [orion565] Powering up issue

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-07 13:35:41 UTC
From: Martin
Topic: 6993 Message: 6998

The culprit here was the fuse socket. T-T used a badly cheap gimmick.
Replaced it with my own construction made from two FAST-ON connectors
(the smaller version) directly soldered to the PCB.

73
Martin, OK1RR

Dne 7.7.2011 15:02, John Hudson napsal(a):
> On my O1, the power up was OK but when I would transmit the rig would
> reboot. Eventually found it to be the cheap power connector. Pulled the back
> off and hardwired a powerline directly to the pc board. No more issues with
> the rebooting
>
> Good luck
> John
> KO4XJ
>
>
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of gary strong
> Sent: Thursday, July 07, 2011 1:00 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Powering up issue
>
> Any chance you have a bad connection from the power supply cable molex pins
> to the Orion II? Have you tried a different power cable?
>
> Gary KO?Q
>
> On Wed, Jul 6, 2011 at 10:22 PM, Randy<randyd@...> wrote:
>
>> **
>>
>>
>> I've had a problem for sometime and think I've read about here but it's
>> been awhile. I have to turn the power on and off two or three times to get
>> my ORION II to work. The initial power up starts and then the audio drops
>> out after a second or two. I remember reading about about this but cant
>> remember what was causing this? Power supply board?
>>
>> My second issue I noticed for the first time this weekend operating very
>> heavily. 20M will die out after heavy operating. What I mean by heavy
>> operating is operating in a contest. I can see the the ALC just stop

>> lighting up/peaking and no output power. Are these related issues?
>>
>> Thanks for any input
>> 73
>> Randy
>> KB3IFH
>>
>>
>>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>
>

6999. Snaphat Battery replacement (Orion I - won't Boot until reset)

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-10 20:04:10 UTC
From: w5xj2011
Topic: 6974 Message: 6999

Which board is the snaphat battery located on? Is it hard to get to? Do I need the IC chip tool to take it on off? I have one from Steppir I can use. Clearly I need to replace mine and cannot seem to find a reference to this procedure for a layman to understand.

This was a good contest weekend and I worked 2 new ones!

Thanks, 73 & good DX to you!

Grant / W5XJ

--- In orion565@yahoogroups.com, "w5xj2011" <cole505@...> wrote:
>
> Tony at Ten-Tec suggested replacing the battery as well. I will order one as now it is getting worse, it boots but there is no audio. On the 2nd boot it works but all the settings are scrammed so I bet it is the battery. I'm also going to check the caps on the power board to make sure they are not puffed up.
>
> I will also exercise the display "pot" as well with the covers off since the display has been going in & out as well. When it is working the Orion is one hell of a great HF radio.
>
> Thanks for all the good ideas and help!
>
> 73 & good DX de W 5 X J
> Grant in Dallas, Texas
>
>
> --- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@> wrote:
> >
> > There is a history of issues with capacitors on the power distribution board. Likely the boot process starts with the microprocessor running before power is stable thus data is corrupt or not loaded correctly.
> >
> > Also there may be a RAM battery issue. Worth a call and speak with Paul at Tentec.
> >
> > 73
> > Bob, K4TAX
> >
> >
> > ----- Original Message -----
> > From: w5xj2011
> > To: orion565@yahoogroups.com
> > Sent: Tuesday, June 21, 2011 10:48 AM
> > Subject: [orion565] Orion I won't boot - only boots after master reset??
> >
> >
> >

> > I have an Orion I with latest software installed and lately when I power up it starts as normal but never fully boots, display shows nothing and the analog meter does not light up. The only cure is a master reset. I hate to have to reset every time so do any users have any suggestions for the cause or a cure?
> >
> > 73 & good DX to you,
> >
> > Grant | W 5 X J
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

7002. Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-13 02:19:38 UTC
From: ve7tk
Topic: 222 Message: 7002

Well Onno after more than a week with the mod I can say that I'm VERY happy.

The display takes about 30 to 45 seconds to get up to "full" contrast at start-up. At least up to where I like it. After that it does nothing. Nothing other than stay at the correct contrast for hours!!!

After several hours the screen, pre this mod, would saturate starting at the upper left. Since the mod the screen is rock stable.

Thanks again.

73,
Rick
VE7TK

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Hi Rick, Thats interesting findings indeed. I did hear various LCD versions have been out there but the value of 1000 ohm resistor in such low resistance combination makes little sense.
>
> It could have been an error in the factory and instead of 47 ohm they inserted this weird value? Anyway, on my side the current reduction made backlight and contrast far more stable and it does not harm as far as I know.
>
> Interested to hear your experience on the change. Do I understand correctly the start-up experience changed after the current modification? And if I may ask, did you experience pixel saturation (ghost layer) over time pre or post current reduction?
>
> best regards, Onno
>
> --- In orion565@yahoogroups.com, "ve7tk" <ve7tk@> wrote:
> >
> > Well Onno I have dug into the 565 and found a strange result. The six resistors on your rig are 2 - 33 ohm and 4 - 47 ohm.
> >
> > In my rig there are:
> >
> > 3 - 47 ohm
> > 2 - 33 ohm
> > 1 - 1,000 ohm (Yes a 102)
> >
> > A net total effect of about 8 ohms vs your original 6.9 ohms.
> >
> > In 2009 I replaced the original black/White screen with a new version from T-T. So I removed just the pair of 33 ohm resistors and all seems well.

> >
> > The display started up VERY close to where I would normally set it and stayed there. Historically it would start up very light / washed-out and take 1 or 2 minutes to get to the contrast that I normally like.
> >
> > Thanks for all your efforts on this problem. I'll keep you posted with updates if anything changes.
> >
> > 73, Rick
> > VE7TK
> >
> > PS: I forgot how MANY screws there are to get to the logic board - hi!!
> >
> > --- In orion565@yahoogroups.com, orion565@...m wrote:
> > >
> > >
> > > Hello,
> > >
> > > This email message is a notification to let you know that
> > > a file has been uploaded to the Files area of the orion565
> > > group.
> > >
> > > File : /Orion 565 (1) LCD /orion LCD current reduction.pdf
> > > Uploaded by : pa1ap <pa1ap@>
> > > Description : Orion 565 LCD backlight current reduction to avoid pixel saturation and improve contrast. Modification at own risk.
> > >
> > > You can access this file at the URL:
> > > http://groups.yahoo.com/group/orion565/files/Orion%20565%20%281%29%20LCD%20/orion%20LCD%20current%20reduction.pdf
> > >
> > > To learn more about file sharing for your group, please visit:
> > > http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> > > Regards,
> > >
> > > pa1ap <pa1ap@>
> > >
> >
>

7003. comparison 2.039d vs 2.044a

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-13 23:14:20 UTC
From: orion565-owner@yahoogroups.com
Topic: 6960 Message: 7003

Hello O2ers,

The latest firmware has been available for sometime now. While many users may have upgraded, I wanted to hear from some who can offer a comparison of the two latest non beta firmwares.

Perhaps some folks even prefer the earlier version over the latest. If so, I would be interested as to why.

Thank you for your input.

73,

Mike
W2AJI

7004. Orion 565 serial communication?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-14 11:59:48 UTC
From: George
Topic: 7004 Message: 7004

I just bought a used Orion 565 with AT and a factory installed blue screen.

My question is, what is the make-up of the serial cable from the 565 to my computer? What is the baud rate the Orion expects.

I'm using a logging program, DX4WIN and a USB to serial cable and I can't make the 565 respond to my computer commands.

Thanks in advance.

George W2YJ

[Non-text portions of this message have been removed]

7005. Re: [orion565] Orion 565 serial communication?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-14 13:32:16 UTC
From: gary strong
Topic: 7004 Message: 7005

George,
the USB converter should work just fine unless your using Windows 7. If your using Windows 7, you'll need to use and FTDI type of USB to RS232 cable, not the prolific brand. Make sure in DX4WIN preferences under radio you set both DTR and TRS high or it won't work. Mine is Orion, without RIT, Com port 1, 5000 poll rate, 6 max tries, DTR adn RTS high.

Gary KO?Q

On Thu, Jul 14, 2011 at 6:59 AM, George <goofyham@...> wrote:

> **
>
>
>
>
> I just bought a used Orion 565 with AT and a factory installed blue screen.
>
> My question is, what is the make-up of the serial cable from the 565 to my
> computer? What is the baud rate the Orion expects.
>
> I'm using a logging program, DX4WIN and a USB to serial cable and I can't
> make the 565 respond to my computer commands.
>
> Thanks in advance.
>
> George W2YJ
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

7006. Re: [orion565] Orion 565 serial communication?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-14 13:40:00 UTC
From: Barry N1EU
Topic: 7004 Message: 7006

I believe the baud rate needs to be 57600.

On Thu, Jul 14, 2011 at 9:32 AM, gary strong <gstrongx@...> wrote:
> George,
> the USB converter should work just fine unless your using Windows 7. If
> your using Windows 7, you'll need to use and FTDI type of USB to RS232
> cable, not the prolific brand. Make sure in DX4WIN preferences under radio
> you set both DTR and TRS high or it won't work. Mine is Orion, without RIT,
> Com port 1, 5000 poll rate, 6 max tries, DTR adn RTS high.
>
> Gary KOŘQ
>
> On Thu, Jul 14, 2011 at 6:59 AM, George <goofyham@...> wrote:
>
>> **
>>
>>
>>
>>
>> I just bought a used Orion 565 with AT and a factory installed blue screen.
>>
>> My question is, what is the make-up of the serial cable from the 565 to my
>> computer? What is the baud rate the Orion expects.
>>
>> I'm using a logging program, DX4WIN and a USB to serial cable and I can't
>> make the 565 respond to my computer commands.
>>
>> Thanks in advance.
>>
>> George W2YJ
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>>
>
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links

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>

7007. Re: [orion565] Orion 565 serial communication?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-14 14:34:54 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 7004 Message: 7007

I have Windows 7 and the "prolific brand" worked just fine for me. It was
pretty much plug and play.

From: Barry N1EU <barry.n1eu@...>
To: orion565@yahoogroups.com
Sent: Thu, July 14, 2011 9:40:00 AM
Subject: Re: [orion565] Orion 565 serial communication?

I believe the baud rate needs to be 57600.

On Thu, Jul 14, 2011 at 9:32 AM, gary strong <gstrongx@...> wrote:
> George,
> the USB converter should work just fine unless your using Windows 7. If
> your using Windows 7, you'll need to use and FTDI type of USB to RS232
> cable, not the prolific brand. Make sure in DX4WIN preferences under radio
> you set both DTR and TRS high or it won't work. Mine is Orion, without RIT,
> Com port 1, 5000 poll rate, 6 max tries, DTR adn RTS high.
>
> Gary KOŘQ
>
> On Thu, Jul 14, 2011 at 6:59 AM, George <goofyham@rochester.rr.com> wrote:
>
>> **
>>
>>
>>
>>
>> I just bought a used Orion 565 with AT and a factory installed blue screen.
>>
>> My question is, what is the make-up of the serial cable from the 565 to my
>> computer? What is the baud rate the Orion expects.
>>
>> I'm using a logging program, DX4WIN and a USB to serial cable and I can't
>> make the 565 respond to my computer commands.
>>
>> Thanks in advance.
>>
>> George W2YJ
>>
>> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7008. RE: [orion565] Orion 565 serial communication?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-14 19:27:45 UTC
From: George
Topic: 7004 Message: 7008

I got it going by switching my MTTY serial cable with the USB-Com cable. Orion now sports the DB9 serial cable and MMTTY sports the USB to Com cable.

My baud rate was set to 57600 with DTR and RTS both checked.

Thanks to all that assisted myself.

George W2YJ

From: orion565@...m [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Thursday, July 14, 2011 9:40 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion 565 serial communication?

I believe the baud rate needs to be 57600.

On Thu, Jul 14, 2011 at 9:32 AM, gary strong <gstrongx@... <mailto:gstrongx%40gmail.com> > wrote:
> George,
> the USB converter should work just fine unless your using Windows 7. If
> your using Windows 7, you'll need to use and FTDI type of USB to RS232
> cable, not the prolific brand. Make sure in DX4WIN preferences under radio
> you set both DTR and TRS high or it won't work. Mine is Orion, without RIT,
> Com port 1, 5000 poll rate, 6 max tries, DTR adn RTS high.
>
> Gary KOŘQ
>
> On Thu, Jul 14, 2011 at 6:59 AM, George <goofyham@...
<mailto:goofyham%40rochester.rr.com> > wrote:
>
>> **
>>
>>
>>
>>
>> I just bought a used Orion 565 with AT and a factory installed blue screen.
>>
>> My question is, what is the make-up of the serial cable from the 565 to my
>> computer? What is the baud rate the Orion expects.
>>
>> I'm using a logging program, DX4WIN and a USB to serial cable and I can't
>> make the 565 respond to my computer commands.
>>
>> Thanks in advance.
>>
>> George W2YJ

>>
>> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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_____ Information from ESET Smart Security, version of virus signature database 4628 (20091122) _____

The message was checked by ESET Smart Security.

http://www.eset.com

_____

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1390 / Virus Database: 1516/3764 - Release Date: 07/14/11

[Non-text portions of this message have been removed]

7009. V2 mod to 565 what did it do?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-14 20:10:54 UTC
From: George
Topic: 7009 Message: 7009

I see on my screen when I turn on the Orion 565 it indicates that the V2 mod has been done.

My question is, what did this do or enhance?

Thanks.

George W2YJ

[Non-text portions of this message have been removed]

7011. Re: [orion565] V2 mod to 565 what did it do?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-14 23:07:38 UTC
From: Barry N1EU
Topic: 7009 Message: 7011

On Thu, Jul 14, 2011 at 8:10 PM, George <goofyham@...> wrote:

> **
> I see on my screen when I turn on the Orion 565 it indicates that the V2
> mod
>
> has been done.
>
> My question is, what did this do or enhance?
>
>
Basically, the V2 mod simply allows the sweep to function when the Orion is
running V2 firmware.

Barry N1EU

[Non-text portions of this message have been removed]

7012. Re: LCD contrast modification (current restriction)

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-15 04:13:38 UTC
From: pa1ap
Topic: 222 Message: 7012

Hi Rick,

Thats is excellent news and I am happy the simple modification works for you as well.

According manufacturer documentation LCD screens will always experience a cold to warm up phase since thats a natural side effect of the crystals. A thermistor could be used to automatically adjust the contrast setting but it is not easy to implement the correct voltage curve.

I have followed Fernando's (n2fq) directions replacing the power socket by two powerpoles and I was surprised to notice the difference. For the first time I can set the powersupply to 12.8Volt without the LCD screen going blank during transmission. Prior to changing power socket I had to set the DC voltage to 13.8 Volts and still have a little fading during transmission.

Anyway, I am happy 565 user again. The contrast issue never came back on my side despite leaving the rig on for days in a row and now the power socket change made it complete.

73, Onno

--- In orion565@yahoogroups.com, "ve7tk" <ve7tk@...> wrote:
>
> Well Onno after more than a week with the mod I can say that I'm VERY happy.
>
> The display takes about 30 to 45 seconds to get up to "full" contrast at start-up. At least up to where I like it. After that it does nothing. Nothing other than stay at the correct contrast for hours!!!
>
> After several hours the screen, pre this mod, would saturate starting at the upper left. Since the mod the screen is rock stable.
>
> Thanks again.
>
> 73,
> Rick
> VE7TK
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Hi Rick, Thats interesting findings indeed. I did hear various LCD versions have been out there but the value of 1000 ohm resistor in such low resistance combination makes little sense.
> >
> > It could have been an error in the factory and instead of 47 ohm they inserted this weird value? Anyway, on my side the current reduction made backlight and contrast far more stable and it does not harm as far as I know.

> >
> > Interested to hear your experience on the change. Do I understand correctly the start-up experience changed after the current modification? And if I may ask, did you experience pixel saturation (ghost layer) over time pre or post current reduction?
> >
> > best regards, Onno
> >
> > --- In orion565@yahoogroups.com, "ve7tk" <ve7tk@> wrote:
> > >
> > > Well Onno I have dug into the 565 and found a strange result. The six resistors on your rig are 2 - 33 ohm and 4 - 47 ohm.
> > >
> > > In my rig there are:
> > >
> > > 3 - 47 ohm
> > > 2 - 33 ohm
> > > 1 - 1,000 ohm (Yes a 102)
> > >
> > > A net total effect of about 8 ohms vs your original 6.9 ohms.
> > >
> > > In 2009 I replaced the original black/White screen with a new version from T-T. So I removed just the pair of 33 ohm resistors and all seems well.
> > >
> > > The display started up VERY close to where I would normally set it and stayed there. Historically it would start up very light / washed-out and take 1 or 2 minutes to get to the contrast that I normally like.
> > >
> > > Thanks for all your efforts on this problem. I'll keep you posted with updates if anything changes.
> > >
> > > 73, Rick
> > > VE7TK
> > >
> > > PS: I forgot how MANY screws there are to get to the logic board - hi!!
> > >
> > > --- In orion565@yahoogroups.com, orion565@yahoogroups.com wrote:
> > > >
> > > >
> > > > Hello,
> > > >
> > > > This email message is a notification to let you know that
> > > > a file has been uploaded to the Files area of the orion565
> > > > group.
> > > >
> > > > File : /Orion 565 (1) LCD /orion LCD current reduction.pdf
> > > > Uploaded by : pa1ap <pa1ap@>
> > > > Description : Orion 565 LCD backlight current reduction to avoid pixel saturation and improve contrast. Modification at own risk.
> > > >
> > > > You can access this file at the URL:

> > > > http://groups.yahoo.com/group/orion565/files/Orion%20565%20%281%29%20LCD%20/orion%20LCD%20current%20reduction.pdf
> > > >
> > > > To learn more about file sharing for your group, please visit:
> > > > http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> > > > Regards,
> > > > >
> > > > pa1ap <pa1ap@>
> > > > >
> > > >
> > >
>

7013. Re: Dimming of Display when keying

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-15 04:19:09 UTC
From: pa1ap
Topic: 6378 Message: 7013

Hi Fernando,

Finally I arrived at my "to do job item": replacing the power connector.

It was an easy job to replace and the result was surprising. I can now run my power supply at 12.8 Volts and the unit does not fade anymore during transmission where before I had to set power supply to 13,8 Volt to -minimize- the fading effect.

Thanks again for the pictures and sharing.

73 Onno

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> excellent pictures and thanks a lot for sharing! It looks very nice and it is worth the change I believe. Smart move on the modification to the original power poles with the brass tubes. Its on my list of next to do...
>
> By the way, please check the fuse next to the power connector. With my rig the fuse was very oxidized and hence giving poor contact as well. It was near black...
>
> 73, onno pa1ap
>
> --- In orion565@yahoogroups.com, Fernando <n2fq@> wrote:
> >
> > Correction on url.
> >
> > <http://pages.sbcglobal.net/n2fq/>
> >
> >
> > On Oct 24, 2010, at 1:44 AM, pa1ap wrote:
> >
> > > On the power poles -> Did you by any chance make pictures? Besides
> > > removing the covers, what else needs to be dismounted?
> > >
> > > And can you share the type of power poles used? I guess it is the
> > > pcb version (20 amp or 40 amp?)...
> > >
> > > Below is what I found on the internet:
> > >
> > > http://www.powerwerx.com/anderson-powerpoles/housings-contacts/
> > >
> > > Could you advice? Much appreciated!
> > >
> > > Thanks and regards, Onno pa1ap
> > >

> > >
> > > --- In orion565@yahoogroups.com, Fernando <n2fq@> wrote:
> > >>
> > >> Hello.
> > >>
> > >> I had this problem with the contrast dimming when I'd key the rig on
> > >> my Orion 1.
> > >>
> > >> I hadn't notice it but it seems to gradually get worst.
> > >>
> > >> Searching the web I came across Ron's (N6IE) webpage describing
> > >>
> > >> the replacement of the capacitors on the A9 board.
> > >>
> > >>
> > >> Well, I did that and it fix that problem.
> > >>
> > >>
> > >> As an extra, I went ahead and replace the molex connector and
> > >>
> > >> replace it with Power Poles. I got my cue from the new Eagle
> > >>
> > >> which has them.
> > >>
> > >> It was a simple desoldering of the connector pins from the board
> > >>
> > >> and putting in the PP.
> > >>
> > >>
> > >> Hope this helps someone and encourages another.
> > >>
> > >> 73 Fernando N2FQ/6
> > >>
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7014. Re: LCD contrast modification (current restriction)

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-15 14:00:43 UTC
From: ve7tk
Topic: 222 Message: 7014

Yes Onno the 565 is operating as it should - hi!

I also replaced the power connector with PowerPoles using Fernando's instructions. That too worked out well.

73,
Rick

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Hi Rick,
>
> Thats is excellent news and I am happy the simple modification works for you as well.
>
> According manufacturer documentation LCD screens will always experience a cold to warm up phase since thats a natural side effect of the crystals. A thermistor could be used to automatically adjust the contrast setting but it is not easy to implement the correct voltage curve.
>
> I have followed Fernando's (n2fq) directions replacing the power socket by two powerpoles and I was surprised to notice the difference. For the first time I can set the powersupply to 12.8Volt without the LCD screen going blank during transmission. Prior to changing power socket I had to set the DC voltage to 13.8 Volts and still have a little fading during transmission.
>
> Anyway, I am happy 565 user again. The contrast issue never came back on my side despite leaving the rig on for days in a row and now the power socket change made it complete.
>
> 73, Onno
>
>
> --- In orion565@yahoogroups.com, "ve7tk" <ve7tk@> wrote:
> >
> > Well Onno after more than a week with the mod I can say that I'm VERY happy.
> >
> > The display takes about 30 to 45 seconds to get up to "full" contrast at start-up. At least up to where I like it. After that it does nothing. Nothing other than stay at the correct contrast for hours!!!
> >
> > After several hours the screen, pre this mod, would saturate starting at the upper left. Since the mod the screen is rock stable.
> >
> > Thanks again.
> >
> > 73,
> > Rick

> > VE7TK
> >
> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > >
> > > Hi Rick, Thats interesting findings indeed. I did hear various LCD versions have been out there but the value of 1000 ohm resistor in such low resistance combination makes little sense.
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> > > It could have been an error in the factory and instead of 47 ohm they inserted this weird value? Anyway, on my side the current reduction made backlight and contrast far more stable and it does not harm as far as I know.
> > >
> > > Interested to hear your experience on the change. Do I understand correctly the start-up experience changed after the current modification? And if I may ask, did you experience pixel saturation (ghost layer) over time pre or post current reduction?
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> > > best regards, Onno
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> > > --- In orion565@yahoogroups.com, "ve7tk" <ve7tk@> wrote:
> > > >
> > > > Well Onno I have dug into the 565 and found a strange result. The six resistors on your rig are 2 - 33 ohm and 4 - 47 ohm.
> > > >
> > > > In my rig there are:
> > > >
> > > > 3 - 47 ohm
> > > > 2 - 33 ohm
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> > > >
> > > > A net total effect of about 8 ohms vs your original 6.9 ohms.
> > > >
> > > > In 2009 I replaced the original black/White screen with a new version from T-T. So I removed just the pair of 33 ohm resistors and all seems well.
> > > >
> > > > The display started up VERY close to where I would normally set it and stayed there. Historically it would start up very light / washed-out and take 1 or 2 minutes to get to the contrast that I normally like.
> > > >
> > > > Thanks for all your efforts on this problem. I'll keep you posted with updates if anything changes.
> > > >
> > > > 73, Rick
> > > > VE7TK
> > > >
> > > > PS: I forgot how MANY screws there are to get to the logic board - hi!!
> > > >
> > > > --- In orion565@yahoogroups.com, orion565@yahoogroups.com wrote:
> > > > >
> > > > >
> > > > > Hello,

> > > > >
> > > > > This email message is a notification to let you know that
> > > > > a file has been uploaded to the Files area of the orion565
> > > > > group.
> > > > > >
> > > > > File : /Orion 565 (1) LCD /orion LCD current reduction.pdf
> > > > > Uploaded by : pa1ap <pa1ap@>
> > > > > Description : Orion 565 LCD backlight current reduction to avoid pixel saturation
and improve contrast. Modification at own risk.
> > > > > >
> > > > > You can access this file at the URL:
> > > > > http://groups.yahoo.com/group/orion565/files/Orion%20565%20%281%29%20LCD%20/orio
n%20LCD%20current%20reduction.pdf
> > > > > >
> > > > > To learn more about file sharing for your group, please visit:
> > > > > http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> > > > > Regards,
> > > > > >
> > > > > pa1ap <pa1ap@>
> > > > > >
> > > > >
> > > >
> > >
>

7015. Re: [orion565] Re: Dimming of Display when keying

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-15 15:12:14 UTC
From: N2FQ
Topic: 6378 Message: 7015

Onno glad to have help. You have done great things. I have your pdfs

for the display to do also.

Fernando N2FQ/6

On Jul 14, 2011, at 21:19, "pa1ap" <pa1ap@...> wrote:

> Hi Fernando,
>
> Finally I arrived at my "to do job item": replacing the power connector.
>
> It was an easy job to replace and the result was surprising. I can now run my power supply at 12.8 Volts and the unit does not fade anymore during transmission where before I had to set power supply to 13,8 Volt to -minimize- the fading effect.
>
> Thanks again for the pictures and sharing.
>
> 73 Onno
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>>
>> excellent pictures and thanks a lot for sharing! It looks very nice and it is worth the change I believe. Smart move on the modification to the original power poles with the brass tubes. Its on my list of next to do...
>>
>> By the way, please check the fuse next to the power connector. With my rig the fuse was very oxidized and hence giving poor contact as well. It was near black...
>>
>> 73, onno pa1ap
>>
>> --- In orion565@yahoogroups.com, Fernando <n2fq@> wrote:
>>>
>>> Correction on url.
>>>
>>> <http://pages.sbcglobal.net/n2fq/>
>>>
>>>
>>> On Oct 24, 2010, at 1:44 AM, pa1ap wrote:
>>>
>>>> On the power poles -> Did you by any chance make pictures? Besides
>>>> removing the covers, what else needs to be dismounted?
>>>>
>>>> And can you share the type of power poles used? I guess it is the
>>>> pcb version (20 amp or 40 amp?)...
>>>>

>>>> Below is what I found on the internet:
>>>>
>>>> http://www.powerwerx.com/anderson-powerpoles/housings-contacts/
>>>>
>>>> Could you advice? Much appreciated!
>>>>
>>>> Thanks and regards, Onno pa1ap
>>>>
>>>>
>>>> --- In orion565@yahoogroups.com, Fernando <n2fq@> wrote:
>>>>>
>>>>> Hello.
>>>>>
>>>>> I had this problem with the contrast dimming when I'd key the rig on
>>>>> my Orion 1.
>>>>>
>>>>> I hadn't notice it but it seems to gradually get worst.
>>>>>
>>>>> Searching the web I came across Ron's (N6IE) webpage describing
>>>>>
>>>>> the replacement of the capacitors on the A9 board.
>>>>>
>>>>>
>>>>> Well, I did that and it fix that problem.
>>>>>
>>>>>
>>>>> As an extra, I went ahead and replace the molex connector and
>>>>>
>>>>> replace it with Power Poles. I got my cue from the new Eagle
>>>>>
>>>>> which has them.
>>>>>
>>>>> It was a simple desoldering of the connector pins from the board
>>>>>
>>>>> and putting in the PP.
>>>>>
>>>>>
>>>>> Hope this helps someone and encourages another.
>>>>>
>>>>> 73 Fernando N2FQ/6
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7016. Ten-Tec 777

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-15 21:39:43 UTC
From: w6hv@verizon.net
Topic: 7016 Message: 7016

I'm looking for a Ten-Tec 777 DX PRO Headset. I you have one to sell, please let me know condx and price (w6hv at verizon.net).
73,
Troy W6HV

7017. Snaphat Battery replaced - problem solved

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-19 04:17:42 UTC
From: w5xj2011
Topic: 7017 Message: 7017

This weekend I replaced the snap-hat battery on my 565 and it fixed the booting issues and lost memory settings. I ordered the battery from TT. My radio had been sitting powerless on the shelf for over 2 years and as a 2003 model the snap-hat expired.

I also exercised the pot that serves the contrast function of the LCD screen which seems to have cured that as well. It had been dimming off & on for some time. The pot is accessible from the underside (right side as you face the radio front)of the rig with a small screwdriver and should be exercised and then set at the 50% point.

Thanks to all the users and Paul at TT for the suggestions.

73 & good DX,

Grant / W 5 X J

7018. Filter

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-21 17:04:30 UTC
From: Phil
Topic: 7018 Message: 7018

Can anyone give TT part number for the screw on filter to keep the auto tune amps from tripping.

[Non-text portions of this message have been removed]

7019. Re: [orion565] Filter

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-21 18:20:10 UTC
From: Barry N1EU
Topic: 7018 Message: 7019

The TT #2203 is the high pass filter that fixes the issue with Acom amps being tripped by the Orion on 40M and perhaps other bands. The Dunestar HPF-400 and similar filters will also get the job done. You want to reject everything below the 160M band.

73, Barry N1EU

On Thu, Jul 21, 2011 at 1:04 PM, Phil <ai4dq@...> wrote:

> **
>
>
> Can anyone give TT part number for the screw on filter to keep the auto
> tune amps from tripping.
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

7020. RE: [orion565] Re: Orion won't start

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-23 02:48:49 UTC
From: art davis
Topic: 6982 Message: 7020

Thanks for the test program Onno. I just replaced the MAX232 chip on the DSP/Logic board and now it's back up and running.

73, Art

To: orion565@yahoogroups.com
From: pa1ap@...
Date: Thu, 30 Jun 2011 06:47:05 +0000
Subject: [orion565] Re: Orion won't start

I would suggest to test the serial port status... You might have a defective serial port / cable. I uploaded a test program a while back which will perform serial testing in case you don not have a serial breakoutbox. To my knowledge the upgrade procedure runs on top of a bootloader routine which provides you the upgrade screen when you switch on the rig. after that the firmware can be send to the orion and besides RX/TX aso CTS is used to ensure the firmware can be downloaded. In case the serial cable is defective (or does not have the correct wire layout) the firmware upgrade will not work. In case the max 232 chip on the logic board is busted due to ESD (non grounded rig and/or computer) you will not be able to upgrade the rig. If thats the case you need to have the max-232 chip being replaced by either sending the rig or the logic board (cheaper) to TT. Are you postive that Orion and computer where grounded to the same ground when connecting the serial cable??? In case they were not there is a high chance the max 232 chip is defect. Hope your rig gets fixed soon. Regards, Onno

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:

>

>

> While performing a flash upgrade on my Orion 565, there was a failure in my computer com port which stopped the process after about 10 lines had been processed. Now the radio won't boot but just sits there with the "System Loading" message displayed on the screen. It will go into Flash Update Mode, but will not communicate with the computer (different computer) through the com port. After 5 seconds or so after starting the update process, the computer displays the message "Communication with the radio has failed..." It will not perform a master reset or RAM clear.

>

> Any suggestions short of sending it to Sevierville?

>

> Art Davis

> N4UC

>

>

> [Non-text portions of this message have been removed]

>

[Non-text portions of this message have been removed]

7021. Spot and Tune Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-27 10:08:13 UTC
From: NewellC
Topic: 7021 Message: 7021

Ok, I have looked and I cannot find the answer. When I hit the tune button or use the Spot button, the tone coming out of the speaker is so loud it hurts my ears. IF I turn the audio down so it is comfortable, I cannot hear the signal I am trying to spot. What am I missing?

Thanks

Newell

7022. Re: [orion565] Spot and Tune Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-27 10:17:28 UTC
From: Barry N1EU
Topic: 7021 Message: 7022

Adjust the sidetone level downward - switch on top row.

73,
Barry N1EU

On Wed, Jul 27, 2011 at 6:08 AM, NewellC <ncrary@...> wrote:

> **
>
>
> Ok, I have looked and I cannot find the answer. When I hit the tune button
> or use the Spot button, the tone coming out of the speaker is so loud it
> hurts my ears. IF I turn the audio down so it is comfortable, I cannot hear
> the signal I am trying to spot. What am I missing?
>
> Thanks
>
> Newell
>
>
>

[Non-text portions of this message have been removed]

7023. Orioin 565 and the Elecraft P3 Panadapter?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-29 04:51:05 UTC
From: Eric Rosenberg
Topic: 7023 Message: 7023

Has anyone put these two together?

The P3 is awfully neat - I've played with one at a friend's.

The one drawback I see is that it doesn't read the Orion frequency, so it's a bit clunky to figure out what you're seeing.

I understand that it may be possible to get that (frequency) information from the Orion to the P3. Has anyone done it?

Thanks & 73,

Eric W3DQ
Washington, DC

[Non-text portions of this message have been removed]

7024. ISO 565 Schematic

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-29 11:48:43 UTC
From: hglent
Topic: 7024 Message: 7024

I believe I have a problem in the 1st IF section of my 565 Orion I.

After a big lightning storm passed through the area I noticed a slight reduction in sensitivity. I use a LP-Pan on the rig, and noticed the signal level, and noise floor have dropped about 10 dBm.

I have gotten the schematics from the TT site, but I can not print a quality, readable schematic for the IF Board. My print out is all "scrunched up."

Does any one have a good printable schematic I could use?

Thanks for the assistance.

Paul K.
WA0BAG

7025. Re: [orion565] ISO 565 Schematic

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-29 12:40:27 UTC
From: Barry N1EU
Topic: 7024 Message: 7025

Why don't you just enlarge (zoom in) sections of the PDF schematic on your computer monitor and use a screen capture utility and print the screen captures?

Barry N1EU

On Fri, Jul 29, 2011 at 7:48 AM, hglent <hglent@...> wrote:

> **
>
>
> I believe I have a problem in the 1st IF section of my 565 Orion I.
>
> After a big lightning storm passed through the area I noticed a slight
> reduction in sensitivity. I use a LP-Pan on the rig, and noticed the signal
> level, and noise floor have dropped about 10 dBm.
>
> I have gotten the schematics from the TT site, but I can not print a
> quality, readable schematic for the IF Board. My print out is all "scrunched
> up."
>
> Does any one have a good printable schematic I could use?
>
> Thanks for the assistance.
>
> Paul K.
> WA0BAG
>
>
>

[Non-text portions of this message have been removed]

7026. Re: [orion565] ISO 565 Schematic

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-29 13:59:08 UTC
From: Paul
Topic: 7024 Message: 7026

I tried it. I still get a poor quality schematic.

I'll keep messing around with it.

TNX
Paul K.
WA0BAG

On 7/29/2011 8:40 AM, Barry N1EU wrote:
>
> Why don't you just enlarge (zoom in) sections of the PDF schematic on your
> computer monitor and use a screen capture utility and print the screen
> captures?
>
> Barry N1EU
>
> On Fri, Jul 29, 2011 at 7:48 AM, hglent <hglent@...
> <mailto:hglent%40frii.com>> wrote:
>
> > **
> > >
> > >
> > > I believe I have a problem in the 1st IF section of my 565 Orion I.
> > >
> > > After a big lightning storm passed through the area I noticed a slight
> > > reduction in sensitivity. I use a LP-Pan on the rig, and noticed the
> signal
> > > level, and noise floor have dropped about 10 dBm.
> > >
> > > I have gotten the schematics from the TT site, but I can not print a
> > > quality, readable schematic for the IF Board. My print out is all
> "scrunched
> > > up."
> > >
> > > Does any one have a good printable schematic I could use?
> > >
> > > Thanks for the assistance.
> > >
> > > Paul K.
> > > WA0BAG
> > >
> > >
> > >
>
> [Non-text portions of this message have been removed]
>

>

[Non-text portions of this message have been removed]

7027. Re: Orioin 565 and the Elecraft P3 Panadapter?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-30 12:39:53 UTC
From: floydsense
Topic: 7023 Message: 7027

I owned a P3 that I used with a K3 before I acquired my Orion II. It's a very capable panadaptor with excellent resolution. I no longer have the K3/P3 and never attempted to use the P3 with the Orion. I recall that the RS232 cable from the PC connects to the P3 first and then the K3, but I don't know if the P3 is capable of accepting a "set frequency" type of command.

I use the DXLab suite for logging and its CAT interface module, Commander, includes function to allow you to slave the frequency of two rigs together. At one time, I had it set up so that if I tuned either my FT-1000MP Mk V or my Icom Pro III, the other rig would follow the frequency change. That capability also works for the Orion, so if the P3 can act on K3 frequency set commands, that would be one approach to use.

You'd still have a problem with the IF offsets being correctly reflected for the Orion. Not sure there's an easy way to accomplish that. If the offset is wrong, the signal on the panadaptor would not be properly positioned in relation to the signal you're hearing.

73, K8AC

--- In orion565@yahoogroups.com, Eric Rosenberg <ericrosenberg.dc@...> wrote:
>
> Has anyone put these two together?
>
> The P3 is awfully neat - I've played with one at a friend's.
>
> The one drawback I see is that it doesn't read the Orion frequency, so
> it's a bit clunky to figure out what you're seeing.
>
> I understand that it may be possible to get that (frequency) information
> from the Orion to the P3. Has anyone done it?
>
> Thanks & 73,
>
> Eric W3DQ
> Washington, DC
>
>
>
>
> [Non-text portions of this message have been removed]
>

7028. ur call sign pse

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-30 12:43:12 UTC
From: orion565-owner@yahoogroups.com
Topic: 6728 Message: 7028

Call sign?

73,

Mike
W2AJI

7029. RE: [orion565] ur call sign pse

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-30 13:13:59 UTC
From: Rick Gentz
Topic: 6728 Message: 7029

WB0NPM,Rick

To: orion565@yahoogroups.com
From: orion565-owner@yahoogroups.com
Date: Sat, 30 Jul 2011 12:43:12 +0000
Subject: [orion565] ur call sign pse

Call sign?

73,

Mike
W2AJI

[Non-text portions of this message have been removed]

7030. RE: [orion565] ur call sign pse

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-30 17:31:17 UTC
From: Ralph Matthews
Topic: 6728 Message: 7030

Cannot determine if this was sent to me. In any event, my call sign is NA6D. I have been a ham for 51 years. If there is a problem, I will be happy to scan my license and send it to you. Please let me know if there is any additional information you need. Have a good weekend!

73 from Ralph, NA6D

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of orion565-owner@yahoogroups.com
Sent: Saturday, July 30, 2011 5:43 AM
To: orion565@yahoogroups.com
Subject: [orion565] ur call sign pse

Call sign?

73,

Mike
W2AJI

[Non-text portions of this message have been removed]

7033. RE: [orion565] ur call sign pse

Yahoo group: orion565 (2009 — 2013)
Date: 2011-07-30 18:58:19 UTC
From: Ralph Matthews
Topic: 6728 Message: 7033

Maybe we've been hacked! Hope not. Don't think they would have info they would understand. Do we want to report this to Yahoo as a security breach?

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of catfishtwo@...
Sent: Saturday, July 30, 2011 11:50 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] ur call sign pse

this looks like either a mistake or a phish of some sort. I too sent my call sign as did several other folks, who's call sign are you looking for??

Tom

N6AJR

In a message dated 7/30/2011 10:31:27 A.M. Pacific Daylight Time, rondo47@... <mailto:rondo47%40surewest.net> writes:

Cannot determine if this was sent to me. In any event, my call sign is NA6D.
I have been a ham for 51 years. If there is a problem, I will be happy to scan my license and send it to you. Please let me know if there is any additional information you need. Have a good weekend!

73 from Ralph, NA6D

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of orion565-owner@yahoogroups.com <mailto:orion565-owner%40yahoogroups.com>
Sent: Saturday, July 30, 2011 5:43 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] ur call sign pse

Call sign?

73,

Mike
W2AJI

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7035. Re: [orion565] ur call sign pse

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-11 07:04:03 UTC
From: K Van Horn
Topic: 6728 Message: 7035

From: orion565-owner@yahoogroups.com
Sent: Saturday, July 30, 2011 6:43 AM
To: orion565@yahoogroups.com
Subject: [orion565] ur call sign pse

Call sign? k7ec, kirby

73,

Mike
W2AJI

[Non-text portions of this message have been removed]

7036. RE: [orion565] ur call sign pse

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-11 07:59:01 UTC
From: Jitsuko and Ian Langmead
Topic: 6728 Message: 7036

Mike,

I was already registered GM8LYS

73’s

Ian Langmead

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of K Van Horn
Sent: 11 August 2011 08:04
To: orion565@yahoogroups.com
Subject: Re: [orion565] ur call sign pse

From: orion565-owner@yahoogroups.com <mailto:orion565-owner%40yahoogroups.com>
Sent: Saturday, July 30, 2011 6:43 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] ur call sign pse

Call sign? k7ec, kirby

73,

Mike
W2AJI

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7037. ergonomics?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-11 11:03:53 UTC
From: Paul
Topic: 7037 Message: 7037

I have been posting of late on the Eagle forum and have had people send emails to me to say that they had issues with the ergonomics of the Orion and Eagle. I am wondering if an Orion owners have found similar issues?

I was all set-up to purchase an IC-7600 when somebody mentioned I should have a look at an Eagle. Since I have had a look at Eagles I am now wondering about Orions.

This will be my first dabble into HF after some twenty years as a ham.

I understand that Orions are formidable radios, though are they easy to drive or do you wish you had spent your money on somethingelse?

Kind regards,

Paul VK3TPM

7038. CW keying

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-11 12:06:49 UTC
From: Paul DeWitte
Topic: 7038 Message: 7038

I am just getting my Orion set up. Purchased about a month ago but have been gone for 3 weeks.

In the manual it says that the front CW jack and the rear KEY are in parallel.

The front one works fine but the KEY in the rear will not key the radio. Am I missing something or maybe it has a severed connection between the two jacks?

I prefer to use the rear one to keep cable from the keyer out of the way.

Thanks, Paul K9OT

7039. RE: [orion565] CW keying

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-11 12:24:02 UTC
From: Martin Sole
Topic: 7038 Message: 7039

I have found the quality of the 3.5mm jack to be less than great. Takes a bit of a wiggle at times to make it work.

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Paul DeWitte
Sent: 11 August 2011 19:07
To: orion565@yahoogroups.com
Subject: [orion565] CW keying

I am just getting my Orion set up. Purchased about a month ago but have been gone for 3 weeks.

In the manual it says that the front CW jack and the rear KEY are in parallel.

The front one works fine but the KEY in the rear will not key the radio. Am I missing something or maybe it has a severed connection between the two jacks?

I prefer to use the rear one to keep cable from the keyer out of the way.

Thanks, Paul K9OT

Yahoo! Groups Links

7040. Re: [orion565] ergonomics?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-11 14:44:55 UTC
From: Richard
Topic: 7037 Message: 7040

Easy to drive. Big knobs. Intuitive for the most part. One does not have to keep running to the manual!

Richard wn9ddv

Sent from my iPad

On Aug 11, 2011, at 7:03 AM, "Paul" <vk3tpm@...> wrote:

I have been posting of late on the Eagle forum and have had people send emails to me to say that they had issues with the ergonomics of the Orion and Eagle. I am wondering if an Orion owners have found similar issues?

I was all set-up to purchase an IC-7600 when somebody mentioned I should have a look at an Eagle. Since I have had a look at Eagles I am now wondering about Orions.

This will be my first dabble into HF after some twenty years as a ham.

I understand that Orions are formidable radios, though are they easy to drive or do you wish you had spent your money on somethingelse?

Kind regards,

Paul VK3TPM

[Non-text portions of this message have been removed]

7041. Re: g[orion565] ergonomics?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-11 15:13:07 UTC
From: k3xr@comcast.net
Topic: 7037 Message: 7041

Love my O II, as to ergonomics, I am a big guy, so is the O II, big knobs for big hands, well placed. Can't comm ent on the Eagle, not seen one in person. A s a general observation, TT rigs I have owned, over the years, all seem to be well thought out as to ergonomics. DAN, K3XR
----- Original Message -----
From: "Richard" <wn9ddv@...>
To: orion565@yahoogroups.com
Cc: orion565@yahoogroups.com
Sent: Thursday, August 11, 2011 10:44:55 AM
Subject: Re: [orion565] ergonomics?

Easy to drive. Big knobs. Intuitive for the most part. One does not have to keep running to the manual!

Richard wn9ddv

Sent from my iPad

On Aug 11, 2011, at 7:03 AM, "Paul" < vk3tpm@... > wrote:

I have been posting of late on the Eagle forum and have had people send emails to me to say that they had issues with the ergonomics of the Orion and Eagle. I am wondering if an Orion owners have found similar issues?

I was all set-up to purchase an IC-7600 when somebody mentioned I should have a look at an Eagle. Since I have had a look at Eagles I am now wondering about Orions.

This will be my first dabble into HF after some twenty years as a ham.

I understand that Orions are formidable radios, though are they easy to drive or do you wish you had spent your money on somethingelse?

Kind regards,

Paul VK3TPM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7042. Re: [orion565] ergonomics?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-11 17:43:18 UTC
From: Jim Koshmider
Topic: 7037 Message: 7042

I agree with Richard -

The Orion is easy to operate, and the menu system is pretty much a "set-and-forget" system. The most often used adjustments are covered by knobs (and a few push-buttons) on the front panel. The second receiver is a big plus for split operation, diversity reception, or for general coverage/broadcast listening - should you be so inclined.

Prices on used Orion's are hard to beat, considering the level of performance you will have. One thing I would recommend is that you buy one with the built-in tuner. Mine does not have this feature, but it works well with my outboard LDG AT-200Pro Autotuner. It's just a little inconvenient to have the Autotuner in a separate box.

My only objection is the choice of font used on the main screen. It's boring, but that's only a cosmetic issue. The main thing is that the radio really performs!

Hope this helps -

73,

Jim, K8OZ
Albuquerque, NM

--- On Thu, 8/11/11, Richard <wn9ddv@...> wrote:

From: Richard <wn9ddv@...>
Subject: Re: [orion565] ergonomics?
To: orion565@yahoogroups.com
Cc: orion565@yahoogroups.com
Date: Thursday, August 11, 2011, 10:44 AM

Easy to drive. Big knobs. Intuitive for the most part. One does not have to keep running to the manual!

Richard wn9ddv

Sent from my iPad

On Aug 11, 2011, at 7:03 AM, "Paul" <vk3tpm@bigpond.net.au> wrote:

I have been posting of late on the Eagle forum and have had people send emails to me to say that they had issues with the ergonomics of the Orion and Eagle. I am wondering if an Orion owners have found similar issues?

I was all set-up to purchase an IC-7600 when somebody mentioned I should have a look at an Eagle. Since I have had a look at Eagles I am now wondering about Orions.

This will be my first dabble into HF after some twenty years as a ham.

I understand that Orions are formidable radios, though are they easy to drive or do you wish you had spent your money on somethingelse?

Kind regards,

Paul VK3TPM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7043. Re: [orion565] ergonomics?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-11 22:05:53 UTC
From: Steve
Topic: 7037 Message: 7043

Paul,

The Orion is not a formidable radio. It is versitle.
I appreciate the ergonomics of the radio. Look at a picture of the front panel. Imagine turning the left most VFO knob (A) with your left big finger. Upon hearing a station, use your pinky finger to hit the "spot" button for zero beating as you continue to adjust the VFO knob (only one hand is required).

If the incoming signal is too loud, hit the "preamp" or "rf gain" buttons with your pinky finger or just above the VFO knob is the AF gain.

If you wish to tune at a faster rate, the "step" button is also within reach of your pinky, or hit the "main RX" button with your index finger.

Notice, too, the location of the "AGC" next to the AF gain knob. You may easily jump through four settings to adjust to signal and band conditions.

I often have two keys plugged into the radio using whichever suits my fancy or situation.

That covers about 90% of my turning and pushing activity.

The radio is so big that if I am excited, pushing a button will not send the radio onto the floor !

Steve, NU7T
Owner of Orion II for 5 years.

[Non-text portions of this message have been removed]

7044. Re: [orion565] CW keying

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-11 22:12:45 UTC
From: Steve
Topic: 7038 Message: 7044

Paul,

Is the STEREO plug wired properly ?
Is the STEREO plug inserted completely ?
The "SP" button on the front panel must be off for manual keys or using outboard keyers.

I have keys plugged into both outlets simultaneously. They work just fine.
Good Luck.
Steve, NU7T
----- Original Message -----
From: "Paul DeWitte" <k9ot@...>
> The front one works fine but the KEY in the rear will not key the radio.
> Am
> I missing something or maybe it has a severed connection between the two
> jacks?

7045. Re: ergonomics?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-12 12:56:45 UTC
From: floydsense
Topic: 7037 Message: 7045

Hi Paul. Well, I DID spend my money on something else for a long time, having owned higher-end rigs from Elecraft, Icom, Yaesu, Kenwood. I acquired my first TenTec transceiver (Orion II) just this past May after a disastrous episode with an FTDX-5000. I'm definitely NOT a TenTec bigot and didn't really expect much from the Orion. I feel that today's operators place far too much emphasis on the Sherwood IMD rankings (which they don't really understand) and give almost no consideration to all the other design issues.

With that as background, I've been pleasantly surprised with the Orion II, especially in the area of ergonomics. The overall design of the front panel and menuing system is very good. As with some of the Icom rigs with menus (Pro III for example), most of the menu items are visible at the same time, but the Orion takes it a step further in grouping menu items by subject (CW, RX, TX, etc). Anyone who has experienced the convoluted menuing of the K3 will really appreciate the time and effort that went into the Orion II design.

There are some areas that are a bit of an irritation and the Orion designers should have perhaps borrowed more from the best ideas of Icom and Yaesu. For example, the automatic antenna tuner has no memories so it can't retune to a past frequency without putting a carrier on the air. That's just nuts. The elaborate AGC system which allows you to tailor every conceivable AGC parameter is just great for those of us who do weak signal CW work on 160M, but why expose all that complexity to every user? Thank goodness, the factory defaults work just fine for all modes.

Related to the AGC design is the RF Gain control. In most cases, the right setting for that control begins at a value around 70 (but the max value of rotation is 100). If you run the gain wide open as you can easily with most other high-end rigs, you'll be VERY unhappy with what you hear. You can indeed easily change the tuning step size with a couple of button presses, but on a state-of-the art rig, why should you have to do even that?? Implementing a variable rate tuning system is rather simple today and I have that even on the VFO I built for my Drake TR7.

Some other functions I use frequently on the Orion involve two steps where they are a single step on other rigs. For example, changing the output power level - on the Orion you have to hit the PWR button and then turn the Multi knob to set the power. Same with keyer speed, monitor level, sidetone level ,etc. It would be nice to have a single control dedicated to some or all of those functions.

The assignment of VFO A or B to the TX, RX and/or sub-RX is another area where the Orion differs from the Japanese rigs and can be confusing. It's much more flexible than the other rigs - via dedicated buttons you can assign either of the two VFOs to any of the three functions. There is no SPLIT button. Until you become familiar with the odd operation, you'll make mistakes on that for sure.

The Orion's sweep function is of little value except to see if there are signals on the band. But, the fact that the Orion has a 9 MHz first IF makes it relatively simple to add a REAL external panadaptor that interacts with the Orion via software.

Overall, I think the Orion gets the major stuff "right". If you're a CW person, rest assured that the Orion is as good as or better than anything else out there. The keying waveforms are near perfect and the controls for varying the waveform characteristics actually work. No clicks, no short dits, etc.

On the other hand, if you don't really need the extreme performance of the Orion, the IC-7600 might be more than adequate for your needs. The fact that it has a reasonable bandscope is a big plus and with the roofing filters, the IMD performance should be plenty good for just about any situation. And - it covers 6M.

I looked carefully at the Eagle recently and decided it would be a good possibility for a portable rig due to the physical size. If that's what you're after, it would probably be a better choice than some of the recent Icom rigs.

At any rate, the Orion II is the first transceiver I've had in a long time that I'd judge as a long-term keeper. It would have been nice to have 6M built in, as well as the interface for an external panadaptor.

73, Floyd - K8AC

on565@yahoogroups.com, "Paul" <vk3tpm@...> wrote:
>
> I have been posting of late on the Eagle forum and have had people send emails to me to say that they had issues with the ergonomics of the Orion and Eagle. I am wondering if an Orion owners have found similar issues?
>
> I was all set-up to purchase an IC-7600 when somebody mentioned I should have a look at an Eagle. Since I have had a look at Eagles I am now wondering about Orions.
>
> This will be my first dabble into HF after some twenty years as a ham.
>
> I understand that Orions are formidable radios, though are they easy to drive or do you wish you had spent your money on somethingelse?
>
> Kind regards,
>
> Paul VK3TPM
>

7046. Re: [orion565] Re: ergonomics?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-12 13:33:31 UTC
From: Barry N1EU
Topic: 7037 Message: 7046

Floyd makes some really good points, but a few specific in-line responses:

> Anyone who has experienced the convoluted menuing of the K3 will really appreciate the time and effort that went into the Orion II design.

The K3 is hamstrung by its small display and would be unable to display the category menu selection of the Orion, which is quite advantageous.

> There are some areas that are a bit of an irritation and the Orion designers should have perhaps borrowed more from the best ideas of Icom and Yaesu. For example, the automatic antenna tuner has no memories so it can't retune to a past frequency without putting a carrier on the air. That's just nuts. The elaborate AGC system which allows you to tailor every conceivable AGC parameter is just great for those of us who do weak signal CW work on 160M, but why expose all that complexity to every user? Thank goodness, the factory defaults work just fine for all modes.

There's a lot of lingering misinformation on the alleged necessity to finely adjust the Orion's AGC parameters. The K3 has similar settings but bury them in a deeper level of menus (CONFIG).

> Related to the AGC design is the RF Gain control. In most cases, the right setting for that control begins at a value around 70 (but the max value of rotation is 100). If you run the gain wide open as you can easily with most other high-end rigs, you'll be VERY unhappy with what you hear.

I don't know about "most other high-end rigs". The K3 is virtually identical in its need for RF Gain throttling. It just seems logical that to optimize AGC performance and to lower background noise, you need to use the appropriate degree of gain. This holds true on all the myriad vintage radios I own/use.

> The assignment of VFO A or B to the TX, RX and/or sub-RX is another area where the Orion differs from the Japanese rigs and can be confusing. It's much more flexible than the other rigs - via dedicated buttons you can assign either of the two VFOs to any of the three functions. There is no SPLIT button. Until you become familiar with the odd operation, you'll make mistakes on that for sure.

I disagree on "for sure" mistakes - from day one, I understood the elegant simplicity of the Orion's vfo/antenna assignment button matrix - sheer perfection.

> On the other hand, if you don't really need the extreme performance of the Orion, the IC-7600 might be more than adequate for your needs. The fact that it has a reasonable bandscope is a big plus and with the roofing filters, the IMD performance should be plenty good for just about any situation. And - it covers 6M.

The IC-7600 is an up-converting design with 3Khz roofing filters.
That's not going to be "plenty good" on low band cw.

73, Barry N1EU

7047. Re: ergonomics?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-12 22:14:06 UTC
From: floydsense
Topic: 7037 Message: 7047

Hi Barry. I'll respond to just two of your comments:

First:
"The IC-7600 is an up-converting design with 3Khz roofing filters.
That's not going to be "plenty good" on low band cw."

The Icom IC-756 Pro III is also an up-converting design and the Inrad roofing filter I installed there was measured by others at around 5 KHz as I recall. Regardless, I had no problems beating out the K3 and Orion owners in my area in the 160 CW contests and CW Sweepstakes with the Pro III. Things might be quite different in One-Land with many more strong signals close-by, but the 5 KHz roofing filter tamed the IMD problems in the Pro III quite nicely and IMD was a problem prior to that for me on 20 and 80 CW.

There's no doubt that the Orion II is far better in preventing IMD problems with its narrower roofing filters. But since 99.99% of today's operators wouldn't recognize the symptoms of IMD problems if it bit them, I maintain that the IC-7600 is "plenty good" in that regard.

Second:
"There's a lot of lingering misinformation on the alleged necessity to
finely adjust the Orion's AGC parameters."

Agreed. But, just last week, I finally encountered a situation where manipulating the AGC threshold on the very weak 160M signal of ST0R made the difference between copy and no copy. For the average Orion user, he'll likely NEVER run into a situation where twiddling the AGC parameters will be of much value.

73, Floyd - K8AC

7048. Re: [orion565] Re: ergonomics?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-12 23:36:04 UTC
From: Barry N1EU
Topic: 7037 Message: 7048

On Fri, Aug 12, 2011 at 10:14 PM, floydsense <floyd@...> wrote:

> **
>
> Agreed. But, just last week, I finally encountered a situation where
> manipulating the AGC threshold on the very weak 160M signal of ST0R made the
> difference between copy and no copy. For the average Orion user, he'll
> likely NEVER run into a situation where twiddling the AGC parameters will be
> of much value.
>
>
Sounds like you did a good job finding the sweet spot for pulling him out.
But you can also change AGC threshold by simply adjusting the RF Gain
control - see
http://groups.yahoo.com/group/orion565/photos/album/1849118754/pic/116912970/view?
for a graph of how they're related in the later firmware. Personally, I
turn AGC off (with high AF Gain and low RF Gain) when I operate cw on the
Orion - I prefer to maximize, rather than compress, the dynamic range.

Barry N1EU

[Non-text portions of this message have been removed]

7049. Orion firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-13 01:06:12 UTC
From: Paul DeWitte
Topic: 7049 Message: 7049

My Orion has version 1.372 on it.

Is the latest version 2.064x11?

I would like to upgrade to whatever is the latest version.

Thanks, 73

Paul K9OT

7053. Orion upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-14 18:24:28 UTC
From: Paul DeWitte
Topic: 7053 Message: 7053

A couple of computer dummies are trying to upgrade my Orion to V 2.064x11.
The instructions are clear as mud to us.

Is there anyone that can run us through the process?

I can give some one a landline if they are interested in helping.

Thanks, 73

Paul K9OT

7054. Re: [orion565] Orion upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-14 20:02:30 UTC
From: Barry N1EU
Topic: 7053 Message: 7054

Before you upgrade, do you have a computer logging program talking to
the Orion? I'd try and get that working first. Port settings are:

57600 baud, no parity, 8 data bits, 1 stop bit, handshake DTR, handshake RTS
(Icom code 4, if that's a setting)

Barry N1EU

On Sun, Aug 14, 2011 at 6:24 PM, Paul DeWitte <k9ot@...> wrote:
> A couple of computer dummies are trying to upgrade my Orion to V 2.064x11.
> The instructions are clear as mud to us.
>
> Is there anyone that can run us through the process?
>
> I can give some one a landline if they are interested in helping.
>
> Thanks, 73
>
> Paul K9OT
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7055. Re: [orion565] Orion upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-14 21:13:43 UTC
From: Paul DeWitte
Topic: 7053 Message: 7055

Thanks Barry, we did get it done. Peg found the read me file somewhere and all went ok after that.

Do you have some settings that I should start with?

Thanks,73

Paul K9OT

----- Original Message -----
From: "Barry N1EU" <barry.n1eu@...>
To: <orion565@yahoogroups.com>
Sent: Sunday, August 14, 2011 3:02 PM
Subject: Re: [orion565] Orion upgrade

> Before you upgrade, do you have a computer logging program talking to
> the Orion? I'd try and get that working first. Port settings are:
>
> 57600 baud, no parity, 8 data bits, 1 stop bit, handshake DTR, handshake
> RTS
> (Icom code 4, if that's a setting)
>
> Barry N1EU
>
> On Sun, Aug 14, 2011 at 6:24 PM, Paul DeWitte <k9ot@...> wrote:
>> A couple of computer dummies are trying to upgrade my Orion to V
>> 2.064x11.
>> The instructions are clear as mud to us.
>>
>> Is there anyone that can run us through the process?
>>
>> I can give some one a landline if they are interested in helping.
>>
>> Thanks, 73
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>> Paul K9OT
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7056. (no subject)

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-15 03:28:48 UTC
From: AshaferS@neo.rr.com
Topic: 7056 Message: 7056

lately ive been distancing myself from everyone money doesnt grow on trees this was my ticket to a free ride!
http://traveliusz.home.pl/JamesBaker97.html now im the most respected guy around please dont put this off
You will love me for this!

7057. Orion V 2.064x11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-15 20:20:55 UTC
From: Paul DeWitte
Topic: 7057 Message: 7057

Yesterday we installed the latest version in my Orion. It had V1372 or something like that (dont remember).

I have a fencer that runs 365 days a year. The old version hardware blanker took care of the fencer.

The new one does not. The only way I can blank it out is to run the hardware blanker and the other one up all of the way.

Is this an issue with this version or just on my radio?

Other than that, so far I am very happy with it. I just need to figure out all of the best settings.

Thanks,73

Paul K9OT

7058. Re: [orion565] Orion V 2.064x11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-15 23:31:07 UTC
From: Richard
Topic: 7057 Message: 7058

Paul noise can be very aggravating. Do you wish to switch back? Or are there things you like about the upgrade?

Sent from my iPad

On Aug 15, 2011, at 4:20 PM, "Paul DeWitte" <k9ot@...> wrote:

Yesterday we installed the latest version in my Orion. It had V1372 or something like that (dont remember).

I have a fencer that runs 365 days a year. The old version hardware blanker took care of the fencer.

The new one does not. The only way I can blank it out is to run the hardware blanker and the other one up all of the way.

Is this an issue with this version or just on my radio?

Other than that, so far I am very happy with it. I just need to figure out all of the best settings.

Thanks,73

Paul K9OT

Yahoo! Groups Links

[Non-text portions of this message have been removed]

7059. Re: [orion565] Orion V 2.064x11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-16 01:58:03 UTC
From: Paul DeWitte
Topic: 7057 Message: 7059

Hi Richard, since I had never run an Orion before I do not know what is best. I am mostly a CW op with a little SSB when CW is slow. Mostly DX with a little contesting sometimes.

In the winter I am on 160m almost every night. So that will be the test.

I had an Omni VI+ with the Inrad 600hz roofing filter. It works very well, but a bit noisy on rcv. My Corsair II I can back off the RF gain and get rid of the noise just before I loose the signal. The Omni VI+ is not as good in that respect.

As far as versions and which one is best, I do not have enough experience to know which one is best. I am making contacts, so I am hoping that a little experience will help.

73 Paul K9OT

----- Original Message -----
From: "Richard" <wn9ddv@...>
To: <orion565@yahoogroups.com>
Sent: Monday, August 15, 2011 6:31 PM
Subject: Re: [orion565] Orion V 2.064x11

> Paul noise can be very aggravating. Do you wish to switch back? Or are
> there things you like about the upgrade?
>
> Sent from my iPad
>
> On Aug 15, 2011, at 4:20 PM, "Paul DeWitte" <k9ot@...> wrote:
>
> Yesterday we installed the latest version in my Orion. It had V1372 or
> something like that (dont remember).
>
> I have a fencer that runs 365 days a year. The old version hardware
> blanker
> took care of the fencer.
>
> The new one does not. The only way I can blank it out is to run the
> hardware
> blanker and the other one up all of the way.
>
> Is this an issue with this version or just on my radio?
>
> Other than that, so far I am very happy with it. I just need to figure out
> all of the best settings.
>

> Thanks,73
>
> Paul K9OT
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7060. Orion II with remote and 707 Mic TenTec 712 Sound Card

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-16 02:22:38 UTC
From: w4pgm
Topic: 7060 Message: 7060

Orion II with 300HZ, 600HZ and 1.8Hrz filters. Remote encoder included, 712 Sound Card and a near new (use a few time) TenTec 707 mic in the original case. Unit is in very good condition just a few scratches on the top of the case (pictures available) Original 'Goodies Bag' included with all original accessories. The only items used from the bag are the power cord and the Din to multi-RCA cable and both will be included with the sale. Priced at $3300 for ever thing plus actual UPS shipping charges PayPal OK

W4PGM at arrl (dot) Net

7061. Re: [orion565] Orion V 2.064x11

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-16 09:39:36 UTC
From: Barry N1EU
Topic: 7057 Message: 7061

Paul, if you can I suggest sticking with v2.064x11 for now because it will
be the basis for the next firmware release with further improvements.

73, Barry N1EU

On Tue, Aug 16, 2011 at 1:58 AM, Paul DeWitte <k9ot@...> wrote:

> **
>
>
> Hi Richard, since I had never run an Orion before I do not know what is
> best. I am mostly a CW op with a little SSB when CW is slow. Mostly DX with
>
> a little contesting sometimes.
>
> In the winter I am on 160m almost every night. So that will be the test.
>
> I had an Omni VI+ with the Inrad 600hz roofing filter. It works very well,
> but a bit noisy on rcv. My Corsair II I can back off the RF gain and get
> rid
> of the noise just before I loose the signal. The Omni VI+ is not as good in
>
> that respect.
>
> As far as versions and which one is best, I do not have enough experience
> to
> know which one is best. I am making contacts, so I am hoping that a little
> experience will help.
>
> 73 Paul K9OT
>
>
> ----- Original Message -----
> From: "Richard" <wn9ddv@...>
> To: <orion565@yahoogroups.com>
> Sent: Monday, August 15, 2011 6:31 PM
> Subject: Re: [orion565] Orion V 2.064x11
>
> > Paul noise can be very aggravating. Do you wish to switch back? Or are
> > there things you like about the upgrade?
> >
> > Sent from my iPad
> >
> > On Aug 15, 2011, at 4:20 PM, "Paul DeWitte" <k9ot@...> wrote:
> >
> > Yesterday we installed the latest version in my Orion. It had V1372 or

> > something like that (dont remember).
> >
> > I have a fencer that runs 365 days a year. The old version hardware
> > blanker
> > took care of the fencer.
> >
> > The new one does not. The only way I can blank it out is to run the
> > hardware
> > blanker and the other one up all of the way.
> >
> > Is this an issue with this version or just on my radio?
> >
> > Other than that, so far I am very happy with it. I just need to figure
> out
> > all of the best settings.
> >
> > Thanks,73
> >
> > Paul K9OT
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7062. Re: Orion V 2.064x11 and Fencer

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-16 10:47:30 UTC
From: Edward Feustel
Topic: 7062 Message: 7062

Paul,
I have a fencer about 40 feet from my antenna.

I am not successful in completely eliminating the
pulses. You should experiment with your AGC settings.
I use the high and low cut as well as the hardware blanker
and some software blanking and make it quite tolerable on
local SSB. I'll have to try it on CW. Of course the AGC can do a
job on you for DX, desensitizing the receiver. Have you tried turning
the AGC off and using a very narrow bandwidth?

Fortunately the fencer should be turned off for the winter (160) season.
73,
Ed, N5EI

7063. LCD Contrast adjust

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-17 15:35:03 UTC
From: art davis
Topic: 7063 Message: 7063

Can someone tell me if later versions of firmware (2.0xx) disables the contrast control pot located through the hole on the underside of the cabinet? Mine has absolutely no effect on the display.

Thanks, Art N4UC

[Non-text portions of this message have been removed]

7064. DC Plug

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-17 17:17:14 UTC
From: WA1MXT@Aol.Com
Topic: 7064 Message: 7064

I have been having a problem with the DC connector on the Orion 2. Over the
past year, I have had to remove the DC plug and clean the contacts as best
I can. this seems to work for several months. It seems like that
connection is not big enough to handle the current that the Orion uses. It is a pain
to have the rig drop out in the middle of a QSO. Ten Tec sent me a new
Male and Female connector and I changed that last year but it is happening
again. Has anyone experienced this problem and if so how did you correct it.

WA1MXT

[Non-text portions of this message have been removed]

7065. RE: [orion565] LCD Contrast adjust

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-17 19:02:57 UTC
From: John T. Fleming
Topic: 7063 Message: 7065

Art,

The hole in the bottom of the Orion is a hardware microphone adjustment pot. There is not a hole for the LCD. The LCD adjustment is located below the MAIN AF knob but you must remove the bottom enclosure panel. I was having trouble with mine and when I had the bottom off, I drilled a small hole to access the adjustment.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of art davis
Sent: Wednesday, August 17, 2011 11:35 AM
To: orion565@yahoogroups.com
Subject: [orion565] LCD Contrast adjust

Can someone tell me if later versions of firmware (2.0xx) disables the contrast control pot located through the hole on the underside of the cabinet? Mine has absolutely no effect on the display.

Thanks, Art N4UC

[Non-text portions of this message have been removed]

7066. RE: [orion565] DC Plug

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-17 21:50:49 UTC
From: John Hudson
Topic: 7064 Message: 7066

Look at the inside of the plug for burnt looking marks. The female contacts will widen and will arch when in transmit. My O1 would reboot during a qso. At the time mine was doing this, 2-3 years ago, TT said "We've never heard of this problem before." well there were several on here that had the same issue and contacted TT. VERY CHEAP CONNECTOR on such a good rig. That being said, what I did was take the connector off the board and hardwired a power connection directly. What I would do now is mount a power pole connection if possible. The Eagle now has that and that's better

Good luck

73

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of WA1MXT@...
Sent: Wednesday, August 17, 2011 12:17 PM
To: orion565@yahoogroups.com
Subject: [orion565] DC Plug

I have been having a problem with the DC connector on the Orion 2. Over the past year, I have had to remove the DC plug and clean the contacts as best I can. this seems to work for several months. It seems like that connection is not big enough to handle the current that the Orion uses. It is a pain
to have the rig drop out in the middle of a QSO. Ten Tec sent me a new Male and Female connector and I changed that last year but it is happening again. Has anyone experienced this problem and if so how did you correct it.

WA1MXT

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7067. Re: [orion565] DC Plug

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-17 21:51:42 UTC
From: Sam W. Jacobs, C.E.T.
Topic: 7064 Message: 7067

I also had this same problem, not only on my O2 but on most of the ICOM equipment that I have. My fix was to make my own cords. I used HD quick disconnects that can be found at Radio Shack (for now). I'm sure there are other fixes you will hear about, some better perhaps, but I've had no problems since installing these. Make sure you fuse the positive lead.

The ones I used are similar to these.
http://www.radioshack.com/product/index.jsp?productId=2103449
When finished, the cords look like these;
http://qsradio.com/7000%20Power%20Cord.jpg (or you can just purchase the pre-made cords)

73,
Sam
K3SAM

From: "WA1MXT@Aol.Com" <WA1MXT@...>
To: orion565@yahoogroups.com
Sent: Wed, August 17, 2011 1:17:14 PM
Subject: [orion565] DC Plug

I have been having a problem with the DC connector on the Orion 2. Over the past year, I have had to remove the DC plug and clean the contacts as best I can. this seems to work for several months. It seems like that connection is not big enough to handle the current that the Orion uses. It is a pain

to have the rig drop out in the middle of a QSO. Ten Tec sent me a new Male and Female connector and I changed that last year but it is happening again. Has anyone experienced this problem and if so how did you correct it.

WA1MXT

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7068. (no subject)

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-18 09:52:39 UTC
From: AshaferS@neo.rr.com
Topic: 7068 Message: 7068

it feels like im disappointing my family despite the circumstances I never lost hope now I dont feel bad about spending my money...
http://jfp.home.pl/JamesCook51.html I waited so long for my time to shine
Really easy method to make some extra cash

7069. Re: [orion565] DC Plug

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-18 11:52:35 UTC
From: Rolf Krogstad
Topic: 7064 Message: 7069

There was a discussion thread on here recently where someone put PowerPole connectors on.
That seems to me to be the way to go.

Photos and instructions are available on the Orion Yahoo Group website.

Rolf, NR0T

On Thu, Aug 18, 2011 at 4:32 AM, <orion565@yahoogroups.com> wrote:

DC Plug
Posted by: "WA1MXT@..." WA1MXT@... wa1mxt
Wed Aug 17, 2011 10:17 am (PDT)

I have been having a problem with the DC connector on the Orion 2. Over the past year, I have had to remove the DC plug and clean the contacts as best I can. this seems to work for several months. It seems like that connection is not big enough to handle the current that the Orion uses. It is a pain
to have the rig drop out in the middle of a QSO. Ten Tec sent me a new Male and Female connector and I changed that last year but it is happening again. Has anyone experienced this problem and if so how did you correct it.

WA1MXT

[Non-text portions of this message have been removed]

7070. Re: [orion565] DC Plug

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-18 15:27:50 UTC
From: N2FQ
Topic: 7064 Message: 7070

I wrote up the conversion to PP and can be found in the TT Wiki under 565 with photos.

Basically, remove the connector from the board,

purchase the PP and their PCB pigtail and plate.

My webpage was removed by ATT as they don't support Prodigy after

having it their for 10 years, bummer

The Eagle was the inspiration. I have also done my Jupiter.

No problems as of yet.

Fernando N2FQ/6

On Aug 18, 2011, at 4:52, Rolf Krogstad <rolf.krogstad@...> wrote:

> There was a discussion thread on here recently where someone put PowerPole
> connectors on.
> That seems to me to be the way to go.
>
> Photos and instructions are available on the Orion Yahoo Group website.
>
> Rolf, NR0T
>
> On Thu, Aug 18, 2011 at 4:32 AM, <orion565@yahoogroups.com> wrote:
>
> DC Plug
> Posted by: "WA1MXT@..." WA1MXT@Aol.Com wa1mxt
> Wed Aug 17, 2011 10:17 am (PDT)
>
> I have been having a problem with the DC connector on the Orion 2. Over the
> past year, I have had to remove the DC plug and clean the contacts as best
> I can. this seems to work for several months. It seems like that
> connection is not big enough to handle the current that the Orion uses. It
> is a pain
> to have the rig drop out in the middle of a QSO. Ten Tec sent me a new
> Male and Female connector and I changed that last year but it is happening
> again. Has anyone experienced this problem and if so how did you correct it.
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> WA1MXT
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7071. Re: [orion565] Digest Number 1707

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-18 20:36:47 UTC
From: k5lg@yahoo.com
Topic: 7071 Message: 7071

Sent from Yahoo! Mail on Android

[Non-text portions of this message have been removed]

7072. RE: [orion565] LCD Contrast adjust

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-18 21:41:22 UTC
From: art davis
Topic: 7063 Message: 7072

Thanks John. I saw in a previous post that the LCD adjustment could be made through a hole in the bottom of the cabinet, but could not find anything in the manual to confirm that. (In fact, now that I know what it really is, I still can't find any mention of that hole at all). So I closed my eyes and took a chance...

To: orion565@yahoogroups.com
From: john@...
Date: Wed, 17 Aug 2011 15:02:57 -0400
Subject: RE: [orion565] LCD Contrast adjust

Art,

The hole in the bottom of the Orion is a hardware microphone adjustment pot.

There is not a hole for the LCD. The LCD adjustment is located below the

MAIN AF knob but you must remove the bottom enclosure panel. I was having

trouble with mine and when I had the bottom off, I drilled a small hole to

access the adjustment.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf

Of art davis

Sent: Wednesday, August 17, 2011 11:35 AM

To: orion565@yahoogroups.com

Subject: [orion565] LCD Contrast adjust

Can someone tell me if later versions of firmware (2.0xx) disables the

contrast control pot located through the hole on the underside of the

cabinet? Mine has absolutely no effect on the display.

Thanks, Art N4UC

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7073. RE: [orion565] LCD Contrast adjust

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-19 02:04:59 UTC
From: John T. Fleming
Topic: 7063 Message: 7073

Art,

I sent my Orion to Ten-Tec for a repair and then almost traded it for a new Omni VII, but I was told I had to buy a new case since I had drilled a hole in the bottom. I decided just to keep the Orion and the hole is still there. I was interested in using the VII via the internet. But I found that I really could do without that. So I am still running the Orion which is now about 8 years old and does an excellent job for me.

73,
John

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of art davis
Sent: Thursday, August 18, 2011 5:41 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] LCD Contrast adjust

Thanks John. I saw in a previous post that the LCD adjustment could be made through a hole in the bottom of the cabinet, but could not find anything in the manual to confirm that. (In fact, now that I know what it really is, I still can't find any mention of that hole at all). So I closed my eyes and took a chance...

To: orion565@yahoogroups.com
From: john@...
Date: Wed, 17 Aug 2011 15:02:57 -0400
Subject: RE: [orion565] LCD Contrast adjust

7074. RE: [orion565] LCD Contrast adjust

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-19 03:27:10 UTC
From: art davis
Topic: 7063 Message: 7074

If I could get a couple of annoying problems fixed with my Orion, I'm sure I would really enjoy it. After all, I grew up in and around Sevierville so I'm really trying to make it work out for me as well. I have used an Omni VII on a couple of occasions and really liked it too, but I found this orion used at a great price and thought I'd try it out and I'm glad I did. It looks good sitting next to my Drake twins that I got new in high school in '69. I do wish TenTec had better documentation though. Their schematics are awfully hard to follow. But, that's a nit.
Our Huntsville Hamfest is this weekend and I am the dealer show chairman. So I'll see the Ten Tec guys tomorrow as well as Scott Robbins W4PA, now the owner of Vibroplex. He knows more about the Orions than anybody at Ten Tec now, with the possible exception of John Henry.
73, Art

To: orion565@yahoogroups.com
From: john@...
Date: Thu, 18 Aug 2011 22:04:59 -0400
Subject: RE: [orion565] LCD Contrast adjust

Art,

I sent my Orion to Ten-Tec for a repair and then almost traded it for a new

Omni VII, but I was told I had to buy a new case since I had drilled a hole

in the bottom. I decided just to keep the Orion and the hole is still there.

I was interested in using the VII via the internet. But I found that I

really could do without that. So I am still running the Orion which is now

about 8 years old and does an excellent job for me.

73,

John

-----Original Message-----

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf

Of art davis

Sent: Thursday, August 18, 2011 5:41 PM

To: orion565@yahoogroups.com

Subject: RE: [orion565] LCD Contrast adjust

Thanks John. I saw in a previous post that the LCD adjustment could be made

through a hole in the bottom of the cabinet, but could not find anything in the manual to confirm that. (In fact, now that I know what it really is, I still can't find any mention of that hole at all). So I closed my eyes and took a chance...

To: orion565@yahoogroups.com

From: john@w3gqj.net

Date: Wed, 17 Aug 2011 15:02:57 -0400

Subject: RE: [orion565] LCD Contrast adjust

[Non-text portions of this message have been removed]

7075. RE: [orion565] LCD Contrast adjust

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-19 04:03:13 UTC
From: Robert Mcgraw
Topic: 7063 Message: 7075

I plan to be at the Huntsville Hamfest on Sat only. Look for me wearing
the white hat with the Tentec Logo and my call in gold letters.

73
Bob, K4TAX

>
> If I could get a couple of annoying problems fixed with my Orion, I'm
> sure I would really enjoy it. After all, I grew up in and around
> Sevierville so I'm really trying to make it work out for me as well. I
> have used an Omni VII on a couple of occasions and really liked it too,
> but I found this orion used at a great price and thought I'd try it out
> and I'm glad I did. It looks good sitting next to my Drake twins that I
> got new in high school in '69. I do wish TenTec had better documentation
> though. Their schematics are awfully hard to follow. But, that's a nit.
> Our Huntsville Hamfest is this weekend and I am the dealer show chairman.
> So I'll see the Ten Tec guys tomorrow as well as Scott Robbins W4PA, now
> the owner of Vibroplex. He knows more about the Orions than anybody at
> Ten Tec now, with the possible exception of John Henry.
> 73, Art
>
> To: orion565@yahoogroups.com
> From: john@...
> Date: Thu, 18 Aug 2011 22:04:59 -0400
> Subject: RE: [orion565] LCD Contrast adjust
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> I was interested in using the VII via the internet. But I found that I
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> really could do without that. So I am still running the Orion which is
> now
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> about 8 years old and does an excellent job for me.
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> 73,
>
> John
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>
> -----Original Message-----
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> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf
>
> Of art davis
>
> Sent: Thursday, August 18, 2011 5:41 PM
>
> To: orion565@yahoogroups.com
>
> Subject: RE: [orion565] LCD Contrast adjust
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>

>
> Thanks John. I saw in a previous post that the LCD adjustment could be
> made
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> through a hole in the bottom of the cabinet, but could not find anything
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> To: orion565@yahoogroups.com
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> From: john@...
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> Date: Wed, 17 Aug 2011 15:02:57 -0400
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> Subject: RE: [orion565] LCD Contrast adjust
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links

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7076. Mic Plug mod and the Heil PR40 Mic.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-19 17:43:01 UTC
From: lanny.rathert
Topic: 7076 Message: 7076

Hello,
I am going to use my Heil PR40 mic with my recently aquired Orion I. I see a reference to a Mic Plug Mod in the achrives .What is the Mic Plug Mod? Thanks in advance

Lanny N0JZ

7077. Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-27 03:26:15 UTC
From: w5xj2011
Topic: 7077 Message: 7077

Hello gang, i am trying to setup my Orion I to run psk31 via a signal link USB into DM780. I have the thing working enough that the program can hear and decode sigs but when i xmit all it does is key the xmiter but there is no output. Can anyone point me in the right direction. the Orion manual is of little help or else i am looking in he wrong place.

Thanks & 73,

Grant / W5XJ

7078. RE: [orion565] Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-27 03:35:05 UTC
From: John Hudson
Topic: 7077 Message: 7078

You are using the front mic connection or audio input on the back aren't you? The go to MENU then SSB select TX AUDIO SOURCE change that from mic to AUX..should be ok.. PLUS on the SSB menu you might have to bump your AUX INPUT GAIN to 10-14 also

Good luck

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of w5xj2011
Sent: Friday, August 26, 2011 10:26 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Hello gang, i am trying to setup my Orion I to run psk31 via a signal link USB into DM780. I have the thing working enough that the program can hear and decode sigs but when i xmit all it does is key the xmiter but there is no output. Can anyone point me in the right direction. the Orion manual is of little help or else i am looking in he wrong place.

Thanks & 73,

Grant / W5XJ

[Non-text portions of this message have been removed]

7079. Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-27 03:43:45 UTC
From: w5xj2011
Topic: 7077 Message: 7079

I am using the rear I/O jack and have set it to AUX but no sigs are going out. It keys it but there is no modulation, the power meter shows no carrier??

--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
>
> You are using the front mic connection or audio input on the back aren't
> you? The go to MENU then SSB select TX AUDIO SOURCE change that from mic to
> AUX..should be ok.. PLUS on the SSB menu you might have to bump your AUX
> INPUT GAIN to 10-14 also
>
>
>
> Good luck
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>
>
> John
>
> KO4XJ
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>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of w5xj2011
> Sent: Friday, August 26, 2011 10:26 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Orion I with signal link USB for PSK31 need config
> help!!! Receives but no xmit
>
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>
> Hello gang, i am trying to setup my Orion I to run psk31 via a signal link
> USB into DM780. I have the thing working enough that the program can hear
> and decode sigs but when i xmit all it does is key the xmiter but there is
> no output. Can anyone point me in the right direction. the Orion manual is
> of little help or else i am looking in he wrong place.
>
> Thanks & 73,
>

> Grant / W5XJ
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> [Non-text portions of this message have been removed]
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7080. RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-27 04:01:49 UTC
From: John Hudson
Topic: 7077 Message: 7080

Double check the SL USB procedures on your mixer setup (selecting the SLUSB) à USB AUDIO CODEC

Here is my O1 Settings for using the SLUSB

On the front of the Orion

SP 6

MENU à SSB à AUX INPUT 14

TX AUDIO SOURCE AUX

IN DM780

In the WATERFALL screen select OPTIONS à Left menu select SOUNDCARD à OUTPUT TRANSMIT should indicate USB AUDIO CODEC and SOURCE is WAVE

Might be some things to check out

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of w5xj2011
Sent: Friday, August 26, 2011 10:44 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

I am using the rear I/O jack and have set it to AUX but no sigs are going out. It keys it but there is no modulation, the power meter shows no carrier??

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "John Hudson" <jd_hudson@...> wrote:
>
> You are using the front mic connection or audio input on the back aren't
> you? The go to MENU then SSB select TX AUDIO SOURCE change that from mic to
> AUX..should be ok.. PLUS on the SSB menu you might have to bump your AUX
> INPUT GAIN to 10-14 also
>
>
>
> Good luck
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> John
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> KO4XJ
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>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
Behalf
> Of w5xj2011
> Sent: Friday, August 26, 2011 10:26 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] Orion I with signal link USB for PSK31 need config
> help!!! Receives but no xmit
>
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>
> Hello gang, i am trying to setup my Orion I to run psk31 via a signal link
> USB into DM780. I have the thing working enough that the program can hear
> and decode sigs but when i xmit all it does is key the xmiter but there is
> no output. Can anyone point me in the right direction. the Orion manual is
> of little help or else i am looking in he wrong place.
>
> Thanks & 73,
>
> Grant / W5XJ
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7081. Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-27 04:53:49 UTC
From: n4uc_2
Topic: 7077 Message: 7081

Same problem here. Make sure that you can get audio in via the front mic connector (don't forget to switch back to "mic" as input in TX menu). You might have to turn up the mic gain until you get some ALC action (red light). If this works, chances are your AUX-IN circuitry is dead (like mine).

Art N4UC

--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
>
> Double check the SL USB procedures on your mixer setup (selecting the SLUSB)
> à USB AUDIO CODEC
>
> Here is my O1 Settings for using the SLUSB
>
>
>
> On the front of the Orion
>
> SP 6
>
>
>
> MENU à SSB à AUX INPUT 14
>
> TX AUDIO SOURCE AUX
>
>
>
> IN DM780
>
> In the WATERFALL screen select OPTIONS à Left menu select SOUNDCARD à
> OUTPUT TRANSMIT should indicate USB AUDIO CODEC and SOURCE is WAVE
>
>
>
> Might be some things to check out
>
>
>
> John
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf

> Of w5xj2011
> Sent: Friday, August 26, 2011 10:44 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config
> help!!! Receives but no xmit
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>
> I am using the rear I/O jack and have set it to AUX but no sigs are going
> out. It keys it but there is no modulation, the power meter shows no
> carrier??
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "John
> Hudson" <jd_hudson@> wrote:
> >
> > You are using the front mic connection or audio input on the back aren't
> > you? The go to MENU then SSB select TX AUDIO SOURCE change that from mic
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> > Good luck
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> > John
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> > KO4XJ
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> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> Behalf
> > Of w5xj2011
> > Sent: Friday, August 26, 2011 10:26 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > Subject: [orion565] Orion I with signal link USB for PSK31 need config
> > help!!! Receives but no xmit
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> > of little help or else i am looking in he wrong place.
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> > Thanks & 73,
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> > Grant / W5XJ
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> > [Non-text portions of this message have been removed]
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7082. Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-27 20:24:55 UTC
From: w5xj2011
Topic: 7077 Message: 7082

Hello Art, I will call Paul Monday at TT. I can't use the mic instead i bought a connector that is supposed to work with the I/O in the back of the rig. I'm sorry yours is dead, i hope mine is OK. It is a real pain, this went much faster and better with my 4-5 year old KW TS-480-HX. If the TT is this big a pain i will switch digi over to my 706MKIIG as it uses the same plug as the TT.

I wish one of you TT digi guru's would post a PDF guide to PSK31 in the files section to help us newbies out.

Thanks and 73,

Grant / W5XJ

--- In orion565@yahoogroups.com, "n4uc_2" <n4uc@...> wrote:
>
> Same problem here. Make sure that you can get audio in via the front mic connector (don't forget to switch back to "mic" as input in TX menu). You might have to turn up the mic gain until you get some ALC action (red light). If this works, chances are your AUX-IN circuitry is dead (like mine).
>
> Art N4UC
>
> --- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@> wrote:
> >
> > Double check the SL USB procedures on your mixer setup (selecting the SLUSB)
> > à USB AUDIO CODEC
> >
> > Here is my O1 Settings for using the SLUSB
> >
> >
> >
> > On the front of the Orion
> >
> > SP 6
> >
> >
> >
> > MENU à SSB à AUX INPUT 14
> >
> > TX AUDIO SOURCE AUX
> >
> >
> >
> > IN DM780
> >

> > In the WATERFALL screen select OPTIONS à Left menu select SOUNDCARD à
> > OUTPUT TRANSMIT should indicate USB AUDIO CODEC and SOURCE is WAVE
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> > Might be some things to check out
> >
> >
> >
> > John
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> >
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > Of w5xj2011
> > Sent: Friday, August 26, 2011 10:44 PM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config
> > help!!! Receives but no xmit
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> > I am using the rear I/O jack and have set it to AUX but no sigs are going
> > out. It keys it but there is no modulation, the power meter shows no
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> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "John
> > Hudson" <jd_hudson@> wrote:
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> > >
> > > John
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> > > KO4XJ
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> > > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> > Behalf
> > > Of w5xj2011
> > > Sent: Friday, August 26, 2011 10:26 PM
> > > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > > Subject: [orion565] Orion I with signal link USB for PSK31 need config
> > > help!!! Receives but no xmit
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> > > Hello gang, i am trying to setup my Orion I to run psk31 via a signal link
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> > > Grant / W5XJ
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7083. Orion II power Varies

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-29 01:24:02 UTC
From: Richard
Topic: 7083 Message: 7083

My Orion 2 output varies a bit when on tune or fm. I put it on full to tune amp. It varies maybe 10 or 20 watts. Is hid normal? It is under guarantee.

Richard wn9ddv
>

[Non-text portions of this message have been removed]

7084. Re: [orion565] Orion II power Varies

Yahoo group: orion565 (2009 — 2013)
Date: 2011-08-29 02:49:56 UTC
From: Bob McGraw - K4TAX
Topic: 7083 Message: 7084

In tuning any grounded grid amp, the amplifier tuning is reflected back to the input which in turn will be seen by the radio. Yes, with my radios and my GG amp I see the same thing.

Nothing to be concerned about, everything is normal.

73
Bob, K4TAX

----- Original Message -----
From: Richard
To: orion565@yahoogroups.com
Cc: orion565@yahoogroups.com
Sent: Sunday, August 28, 2011 8:24 PM
Subject: [orion565] Orion II power Varies

My Orion 2 output varies a bit when on tune or fm. I put it on full to tune amp. It varies maybe 10 or 20 watts. Is hid normal? It is under guarantee.

Richard wn9ddv
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7085. Re: Orion II power Varies

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-01 07:42:43 UTC
From: Mark
Topic: 7083 Message: 7085

Experienced this too.
Became much less when I added more radials to my vertical antenna.
I have waaaay too short radials. but it is wat it is in my (30x25)puny backyard.
And it went almost totally away when I added a common mode filter with 5 windings coax through a set of 5x FT240-31 toroids at the shack entry wall.

73 Mark, PA5MW

--- In orion565@yahoogroups.com, Richard <wn9ddv@...> wrote:
>
> My Orion 2 output varies a bit when on tune or fm. I put it on full to tune amp. It varies maybe 10 or 20 watts. Is hid normal? It is under guarantee.
>
> Richard wn9ddv
> >
>
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>
> [Non-text portions of this message have been removed]
>

7087. Re: Orion II with remote and 707 Mic TenTec 712 Sound Card

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-04 21:42:32 UTC
From: w4pgm
Topic: 7060 Message: 7087

--- In orion565@yahoogroups.com, "w4pgm" <paul@...> wrote:
>
> Orion II with 300HZ, 600HZ and 1.8Hrz filters. Remote encoder included, 712 Sound Card and a near new (use a few time) TenTec 707 mic in the original case. Unit is in very good condition just a few scratches on the top of the case (pictures available) Original 'Goodies Bag' included with all original accessories. The only items used from the bag are the power cord and the Din to multi-RCA cable and both will be included with the sale. Priced at $3300 for ever thing plus actual UPS shipping charges PayPal OK
>
> W4PGM at arrl (dot) Net
>

This is sold

7088. Color LCD for Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-05 12:20:07 UTC
From: AC2FC
Topic: 7088 Message: 7088

Hi group.
I find on one of ebay auction somebody said he is using color LCD from Omni 7 in Orion 1.
This is the link http://www.ebay.com/itm/LCD-Display-Ten-Tec-Orion-1-Transceiver-/180718871881?pt=LH_DefaultDomain_0&hash=item2a13af2549 .
Anybody have any expirience with this mods.Is this possible?

Thanks
Arek
AC2FC

7089. Re: Color LCD for Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-06 11:12:20 UTC
From: Rural Retreat
Topic: 7088 Message: 7089

I had an email chat with the guy about that. The replacement screen was from a Jupiter, not the Omni 7, so he got the better blue color, but still a monochrome screen from that radio.

=Vic=
WA4THR

--- In orion565@yahoogroups.com, "AC2FC" <tarniowy@...> wrote:
>
> Hi group.
> I find on one of ebay auction somebody said he is using color LCD from Omni 7 in Orion 1. This is the link http://www.ebay.com/itm/LCD-Display-Ten-Tec-Orion-1-Transceiver-/180718871881?pt=LH_DefaultDomain_0&hash=item2a13af2549 .
> Anybody have any expirience with this mods.Is this possible?
>
> Thanks
> Arek
> AC2FC
>

7090. Re: Color LCD for Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-07 06:45:29 UTC
From: pa1ap
Topic: 7088 Message: 7090

As I read the advertisement he offers the original black / white LCD screen he just replaced by a blue / white screen.

The jupiter has a blue/white screen but as far as I know it is smaller size. My guess is that the HAM replaced the original with the orion blue/white replacement screen.

The replacement blue/white has different specifications / timing needs and as such does not operate optimal.

Another improvement is reducing the back light current from 220mA to around 115mA. Pixel saturation will be thing of the past as well the newer LCD screen are designed to operate around 120mA...

Anyway, it seems worth buying a replacement just in case :-)

--- In orion565@yahoogroups.com, "Rural Retreat" <vhklein@...> wrote:
>
> I had an email chat with the guy about that. The replacement screen was from a Jupiter, not the Omni 7, so he got the better blue color, but still a monochrome screen from that radio.
>
> =Vic=
> WA4THR
>
> --- In orion565@yahoogroups.com, "AC2FC" <tarniowy@> wrote:
> >
> > Hi group.
> > I find on one of ebay auction somebody said he is using color LCD from Omni 7 in Orion 1. This is the link http://www.ebay.com/itm/LCD-Display-Ten-Tec-Orion-1-Transceiver-/180718871881?pt=LH_DefaultDomain_0&hash=item2a13af2549 .
> > Anybody have any expirience with this mods.Is this possible?
> >
> > Thanks
> > Arek
> > AC2FC
> >
>

7091. How do I adjust the Filter C F?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-07 14:18:52 UTC
From: hglent
Topic: 7091 Message: 7091

I have not yet messed around with adjusting the C F of the filters in my O1. I operate 90% CW, and use the filtering extensively.

So, the question is; what method do I use to adjust the Filter C F for optimal operation?

Thanks for the help.

Paul K.
WA0BAG

7092. Re: [orion565] How do I adjust the Filter C F?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-07 15:11:15 UTC
From: Barry N1EU
Topic: 7091 Message: 7092

I'd tune the Orion to an empty spot on the band, feed the rx audio into a soundcard and run spectrum analyzer software and check for a deviation between center of displayed filter passband and the sidetone frequency set on the Orion.

Barry N1EU

On Wed, Sep 7, 2011 at 10:18 AM, hglent <hglent@frii.com> wrote:

> **
>
>
> I have not yet messed around with adjusting the C F of the filters in my
> O1. I operate 90% CW, and use the filtering extensively.
>
> So, the question is; what method do I use to adjust the Filter C F for
> optimal operation?
>
> Thanks for the help.
>
> Paul K.
> WA0BAG
>
>
>

[Non-text portions of this message have been removed]

7093. RE: [orion565] How do I adjust the Filter C F?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-07 21:22:26 UTC
From: art davis
Topic: 7091 Message: 7093

The procedure in the manual works pretty well also

To: orion565@yahoogroups.com
From: barry.n1eu@...
Date: Wed, 7 Sep 2011 11:11:15 -0400
Subject: Re: [orion565] How do I adjust the Filter C F?

I'd tune the Orion to an empty spot on the band, feed the rx audio into a

soundcard and run spectrum analyzer software and check for a deviation

between center of displayed filter passband and the sidetone frequency set

on the Orion.

Barry N1EU

On Wed, Sep 7, 2011 at 10:18 AM, hglent <hglent@...> wrote:

> **

>

>

> I have not yet messed around with adjusting the C F of the filters in my

> O1. I operate 90% CW, and use the filtering extensively.

>

> So, the question is; what method do I use to adjust the Filter C F for

> optimal operation?

>

> Thanks for the help.

>

> Paul K.

> WA0BAG

>

>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7094. Re: Color LCD for Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-08 10:50:19 UTC
From: Rural Retreat
Topic: 7088 Message: 7094

You are correct, sir. I had a note from Paul Clinton at Ten Tec who said the screens in the Omni 7 and Jupiter are not compatible with the Orion. Also, they can no longer get the original black and white screen, but they have the blue screen which they sell as a replacement, not an upgrade, since they don't consider the quality of the replacement to be quite as good in this application.

=Vic=
WA4THR

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> As I read the advertisement he offers the original black / white LCD screen he just replaced by a blue / white screen.
>
> The jupiter has a blue/white screen but as far as I know it is smaller size. My guess is that the HAM replaced the original with the orion blue/white replacement screen.
>
> The replacement blue/white has different specifications / timing needs and as such does not operate optimal.
>
> Another improvement is reducing the back light current from 220mA to around 115mA. Pixel saturation will be thing of the past as well the newer LCD screen are designed to operate around 120mA...
>
> Anyway, it seems worth buying a replacement just in case :-)
>
>
>
>
> --- In orion565@yahoogroups.com, "Rural Retreat" <vhklein@> wrote:
> >
> > I had an email chat with the guy about that. The replacement screen was from a Jupiter, not the Omni 7, so he got the better blue color, but still a monochrome screen from that radio.
> >
> > =Vic=
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> > --- In orion565@yahoogroups.com, "AC2FC" <tarniowy@> wrote:
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> > > Hi group.
> > > I find on one of ebay auction somebody said he is using color LCD from Omni 7 in Orion 1. This is the link http://www.ebay.com/itm/LCD-Display-Ten-Tec-Orion-1-Transceiver-/180718871881?pt=LH_DefaultDomain_0&hash=item2a13af2549 .
> > > Anybody have any expirience with this mods.Is this possible?

> > >
> > > Thanks
> > > Arek
> > > AC2FC
> > >
> >
>

7095. 9MHZ If Output On Orion 566

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-08 12:51:06 UTC
From: Simone IZ5DKJ
Topic: 7095 Message: 7095

hi,
i'm looking for a panadapter on my orion and i'm reading the
rick's documents for z10000 buffering amps setup but
i see: " this procedure has not been approved by ten tec inc".

http://www.ve7tk.com/9MHz_IF.pdf

What is the problem with this mods?
There are other mods approved by ten tec ?

Thanks and good DX

http://www.qrz.com/db/iz5dkj

[Non-text portions of this message have been removed]

7096. Orion 566 doing the job

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-08 14:26:42 UTC
From: Michael W Elliott
Topic: 7096 Message: 7096

Call it cockpit error in the past or learning curve

It takes a time to learn a rig but I have to admit that the Orion II is either getting wiser or the operator

I am adjusting the DSP and the filtering to such a point that I can pull out the weak stations to a point that I am able to work and hear things fine

Whether if it is in a pile-up or a weak signal the Orion II is performing amazing

My totals have shot up dramatically but then again I am on a lot

After comparing notes with VO2FF - Daniel I have made adjustments that really work
Also the Orion table for setting have greatly made a diff
de
KQ0B
Michael W. Elliott
DXCC Honor Roll, 5bWAZ #854, WAE I,II,III, WAE Top
"THE INSIDE ADVANTAGE"   -
RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri
God Bless America

7097. Orion 565 (1) blue / white replacement lcd

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-11 16:40:06 UTC
From: pa1ap
Topic: 7097 Message: 7097

Greetings,

I am looking for a few hams who want to help designing the LCD logic to make the blue/white lcd screen working correctly. I am going through the timing diagrams as provided by the vendor and I wrote the inital code to read, store and write the bit status between CPU and LCD. Since I do not know the root cause of the problem some trail and error might be needed to arrive at correct transformation. For this it would be good to reflect thoughts and idea's. Anyway, if you are interested drop me an email.

73, Onno de pa1ap

7098. Re: 9MHZ If Output On Orion 566

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-11 18:53:57 UTC
From: ve7tk
Topic: 7095 Message: 7098

Simone I always put this note on any modifications I prepare for public distribution. It is to let you know that I did the modification, I did not consult with Ten-Tec, and so do not call Ten-Tec if you have questions specific to the modification. (It is my understanding from reading this reflector that Ten-Tec will do a portion of the mod bringing the 9MHz IF out to the SPARE jack allowing the user to add an external version of the Z-10000 buffer. To do this you would need to send the Orion back to the factory.)

As to whether there are any Ten-Tec approved modifications. The answer is YES. For the Orion 565 there is the Version 2 "Logic/DSP" modification, the "Orion FSK Operation" (for early models of the 565) and the Argonaut V "Field Modification of Ten-Tec model 516 Argonaut to Reduce Potential of SSB TX Distortion" to name a few.

73,
Rick - VE7TK

--- In orion565@yahoogroups.com, "Simone IZ5DKJ" <iz5dkj@...> wrote:
>
> hi,
> i'm looking for a panadapter on my orion and i'm reading the
> rick's documents for z10000 buffering amps setup but
> i see: " this procedure has not been approved by ten tec inc".
>
> http://www.ve7tk.com/9MHz_IF.pdf
>
> What is the problem with this mods?
> There are other mods approved by ten tec ?
>
> Thanks and good DX
>
> http://www.qrz.com/db/iz5dkj
>
> [Non-text portions of this message have been removed]
>

7099. Re: Color LCD for Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-11 23:49:57 UTC
From: Earl
Topic: 7088 Message: 7099

Greeting All,
I replaced my old screen for a new blue one. I love it. It is better than the old screen by far. I also replaced the RAM lithium battery and all 3 470mfd caps on the power distribution board. Super new life to my old OI i bought in 2004.

Regards,
Earl, K5FTE

--- In orion565@yahoogroups.com, "Rural Retreat" <vhklein@...> wrote:
>
> You are correct, sir. I had a note from Paul Clinton at Ten Tec who said the screens in the Omni 7 and Jupiter are not compatible with the Orion. Also, they can no longer get the original black and white screen, but they have the blue screen which they sell as a replacement, not an upgrade, since they don't consider the quality of the replacement to be quite as good in this application.
>
> =Vic=
> WA4THR
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > As I read the advertisement he offers the original black / white LCD screen he just replaced by a blue / white screen.
> >
> > The jupiter has a blue/white screen but as far as I know it is smaller size. My guess is that the HAM replaced the original with the orion blue/white replacement screen.
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> > The replacement blue/white has different specifications / timing needs and as such does not operate optimal.
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> > Another improvement is reducing the back light current from 220mA to around 115mA. Pixel saturation will be thing of the past as well the newer LCD screen are designed to operate around 120mA...
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> > Anyway, it seems worth buying a replacement just in case :-)
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> > --- In orion565@yahoogroups.com, "Rural Retreat" <vhklein@> wrote:
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> > > I had an email chat with the guy about that. The replacement screen was from a Jupiter, not the Omni 7, so he got the better blue color, but still a monochrome screen from that radio.
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> > > --- In orion565@yahoogroups.com, "AC2FC" <tarniowy@> wrote:
> > > >
> > > > Hi group.
> > > > I find on one of ebay auction somebody said he is using color LCD from Omni 7 in Orion 1. This is the link http://www.ebay.com/itm/LCD-Display-Ten-Tec-Orion-1-Transceiver-/180718871881?pt=LH_DefaultDomain_0&hash=item2a13af2549 .
> > > > Anybody have any expirience with this mods.Is this possible?
> > > >
> > > > Thanks
> > > > Arek
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> > > >
> > >
> > >
>

7100. Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-15 02:14:59 UTC
From: w5xj2011
Topic: 7077 Message: 7100

Art were you able to get TT to repair the dead Aux-in? I spoke to Paul and Stan and they did not have a fix. Tiger asked me to check continuity on the pins so I'll do that. How did you figure out your aux-in was DOA?

Thanks & 73 de w5xj

--- In orion565@yahoogroups.com, "n4uc_2" <n4uc@...> wrote:
>
> Same problem here. Make sure that you can get audio in via the front mic connector (don't forget to switch back to "mic" as input in TX menu). You might have to turn up the mic gain until you get some ALC action (red light). If this works, chances are your AUX-IN circuitry is dead (like mine).
>
> Art N4UC
>
> --- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@> wrote:
> >
> > Double check the SL USB procedures on your mixer setup (selecting the SLUSB)
> > à USB AUDIO CODEC
> >
> > Here is my O1 Settings for using the SLUSB
> >
> >
> >
> > On the front of the Orion
> >
> > SP 6
> >
> >
> >
> > MENU à SSB à AUX INPUT 14
> >
> > TX AUDIO SOURCE AUX
> >
> >
> >
> > IN DM780
> >
> > In the WATERFALL screen select OPTIONS à Left menu select SOUNDCARD à
> > OUTPUT TRANSMIT should indicate USB AUDIO CODEC and SOURCE is WAVE
> >
> >
> >
> > Might be some things to check out

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> >
> >
> > John
> >
> >
> >
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > Of w5xj2011
> > Sent: Friday, August 26, 2011 10:44 PM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config
> > help!!! Receives but no xmit
> >
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> >
> > I am using the rear I/O jack and have set it to AUX but no sigs are going
> > out. It keys it but there is no modulation, the power meter shows no
> > carrier??
> >
> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "John
> > Hudson" <jd_hudson@> wrote:
> > >
> > > You are using the front mic connection or audio input on the back aren't
> > > you? The go to MENU then SSB select TX AUDIO SOURCE change that from mic
> > to
> > > AUX..should be ok.. PLUS on the SSB menu you might have to bump your AUX
> > > INPUT GAIN to 10-14 also
> > >
> > >
> > >
> > > Good luck
> > >
> > >
> > >
> > > John
> > >
> > > KO4XJ
> > >
> > >
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> > >
> > >
> > > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> > Behalf
> > > Of w5xj2011

> > > Sent: Friday, August 26, 2011 10:26 PM
> > > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > > Subject: [orion565] Orion I with signal link USB for PSK31 need config
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> > >
> > > Hello gang, i am trying to setup my Orion I to run psk31 via a signal link
> > > USB into DM780. I have the thing working enough that the program can hear
> > > and decode sigs but when i xmit all it does is key the xmiter but there is
> > > no output. Can anyone point me in the right direction. the Orion manual is
> > > of little help or else i am looking in he wrong place.
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> > > Thanks & 73,
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> > > Grant / W5XJ
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> > > [Non-text portions of this message have been removed]
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> > [Non-text portions of this message have been removed]
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7101. RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-15 03:13:24 UTC
From: art davis
Topic: 7077 Message: 7101

I found it out when I tried to feed the audio from my Signalink USB in to the AUX-In jack on the aux-I/O cable and could not get any response. I tried adjusting the gain, made sure I had selected either AUX or BOTH for audio source, etc...

Finally I checked continuity from pin 1 of the AUX I/O DIN jack on the rear panel all the way to U200B, pin 2, board A7 where the signal enters the world of digital. That checked out OK. That chip has several audio functions which all work fine. All this is shown on the schematic of board A7, pages 3 and 7 and board A12 J3 if you're inclined to chase it down yourself. It is carried to the A7 board in coax cable #24.
So I'm back where I started. I'm too cheap to pay TT and FedEx to chase down a gremlin until I'm absolutely sure I NEED that function and I've exhausted all my knowledge (doesn't take long for that!) As an alternative, I just feed the audio in to the front panel mic input. Works just fine.

Good luck!

To: orion565@yahoogroups.com
From: cole505@...
Date: Thu, 15 Sep 2011 02:14:59 +0000
Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Art were you able to get TT to repair the dead Aux-in? I spoke to Paul and Stan and they did not have a fix. Tiger asked me to check continuity on the pins so I'll do that. How did you figure out your aux-in was DOA?

Thanks & 73 de w5xj

--- In orion565@yahoogroups.com, "n4uc_2" <n4uc@...> wrote:

>

> Same problem here. Make sure that you can get audio in via the front mic connector (don't forget to switch back to "mic" as input in TX menu). You might have to turn up the mic gain until you get some ALC action (red light). If this works, chances are your AUX-IN circuitry is dead (like mine).

>

> Art N4UC

>

> --- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@> wrote:

> >

> > Double check the SL USB procedures on your mixer setup (selecting the SLUSB)

> > ? USB AUDIO CODEC

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> > Here is my O1 Settings for using the SLUSB

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> >

> >

> > On the front of the Orion

> >

> > SP 6

> >

> >

> >

> > MENU ? SSB ? AUX INPUT 14

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> > TX AUDIO SOURCE AUX

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> >

> >

> > IN DM780

> >

> > In the WATERFALL screen select OPTIONS ? Left menu select SOUNDCARD ?

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> >

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> >

> > Might be some things to check out

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> >

> > John

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> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf

> > Of w5xj2011

> > Sent: Friday, August 26, 2011 10:44 PM

> > To: orion565@yahoogroups.com

> > Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config

> > help!!! Receives but no xmit

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> > I am using the rear I/O jack and have set it to AUX but no sigs are going

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> > >

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> > >

> > > John

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> > > KO4XJ

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> > > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

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[Non-text portions of this message have been removed]

7103. OT: Schematic / manual TT-1251 artificial ground

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-17 17:03:55 UTC
From: pa1ap
Topic: 7103 Message: 7103

Anybody who could help me with a scanned version of the manual / building instructions?
thanks, Onno de pa1ap

7104. Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-21 16:09:57 UTC
From: w5xj2011
Topic: 7077 Message: 7104

Last night i got mine to xmit off & on but not well at all. It also hung up in XMIT a time or two with no output shwing on the meter. I had all the gains (orion & SLBUSB) up to the max which is not necessary on other radios and got a little to show on the power meter.

I might try the mic input to see if that solves my problem. What cable did you buy to run the SLBUSB off the mic input? Are you running windows 7 on your computer?

Many thanks for the suggestions!

73 de W5XJ (Grant in Dallas)

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:
>
>
> I found it out when I tried to feed the audio from my Signalink USB in to the AUX-In jack on the aux-I/O cable and could not get any response. I tried adjusting the gain, made sure I had selected either AUX or BOTH for audio source, etc...
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> Finally I checked continuity from pin 1 of the AUX I/O DIN jack on the rear panel all the way to U200B, pin 2, board A7 where the signal enters the world of digital. That checked out OK. That chip has several audio functions which all work fine. All this is shown on the schematic of board A7, pages 3 and 7 and board A12 J3 if you're inclined to chase it down yourself. It is carried to the A7 board in coax cable #24.
> So I'm back where I started. I'm too cheap to pay TT and FedEx to chase down a gremlin until I'm absolutely sure I NEED that function and I've exhausted all my knowledge (doesn't take long for that!) As an alternative, I just feed the audio in to the front panel mic input. Works just fine.
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> Good luck!
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> To: orion565@yahoogroups.com
> From: cole505@...
> Date: Thu, 15 Sep 2011 02:14:59 +0000
> Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit
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>
> > Art N4UC
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> > --- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@> wrote:
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> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
>
> > > Of w5xj2011
>
> > > Sent: Friday, August 26, 2011 10:44 PM
>
> > > To: orion565@yahoogroups.com
>
> > > Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config
>
> > > help!!! Receives but no xmit
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> > > I am using the rear I/O jack and have set it to AUX but no sigs are going
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> > > out. It keys it but there is no modulation, the power meter shows no
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> > > carrier??
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> > > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "John
>
> > > Hudson" <jd_hudson@> wrote:
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>
> > > > You are using the front mic connection or audio input on the back aren't
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> > > > you? The go to MENU then SSB select TX AUDIO SOURCE change that from mic
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> > > to
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> > > > AUX..should be ok.. PLUS on the SSB menu you might have to bump your AUX
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> > > > INPUT GAIN to 10-14 also
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> > > > Good luck
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> > > > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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> > > [mailto:orion565@...m <mailto:orion565%40yahoogroups.com>] On
>
> > > Behalf
>
> > > > Of w5xj2011

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> > > > Sent: Friday, August 26, 2011 10:26 PM
>
> > > > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>
> > > > Subject: [orion565] Orion I with signal link USB for PSK31 need config
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> > > > Thanks & 73,
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> > > > Grant / W5XJ
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7105. RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-21 22:56:04 UTC
From: art davis
Topic: 7077 Message: 7105

It's just a regular 4 pin mic connector to the radio and an RJ45 (ethernet) connector on the SL.Both available at Radio Shack. But I just took an internet cable and cut one connector off and replaced it with the 4-pin. Make sure to check the continuity from the new connector all the way back to the jumpers to make sure you have everything wired the way you intended. You can wire it with or without the PTT hooked up and use VOX if you want. I personally like having the PTT holding the XMTR in though.

If you didn't show any ALC (red light) then you didn't have enough audio. With digital modes you want to turn the gain up until the red light comes on and then back off just until it's not lighting up. That will keep the signal clean.

To: orion565@yahoogroups.com
From: cole505@...
Date: Wed, 21 Sep 2011 16:09:57 +0000
Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Last night i got mine to xmit off & on but not well at all. It also hung up in XMIT a time or two with no output shwing on the meter. I had all the gains (orion & SLBUSB) up to the max which is not necessary on other radios and got a little to show on the power meter.

I might try the mic input to see if that solves my problem. What cable did you buy to run the SLBUSB off the mic input? Are you running windows 7 on your computer?

Many thanks for the suggestions!

73 de W5XJ (Grant in Dallas)

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:

>

>

> I found it out when I tried to feed the audio from my Signalink USB in to the AUX-In jack on the aux-I/O cable and could not get any response. I tried adjusting the gain, made sure I had selected either AUX or BOTH for audio source, etc...

>

> Finally I checked continuity from pin 1 of the AUX I/O DIN jack on the rear panel all the way to U200B, pin 2, board A7 where the signal enters the world of digital. That checked out OK. That chip has several audio functions which all work fine. All this is shown on the schematic of board A7, pages 3 and 7 and board A12 J3 if you're inclined to chase it down yourself. It is carried to the A7 board in coax cable #24.

> So I'm back where I started. I'm too cheap to pay TT and FedEx to chase down a gremlin until I'm absolutely sure I NEED that function and I've exhausted all my knowledge (doesn't take long for that!) As an alternative, I just feed the audio in to the front panel mic input. Works just fine.

>

> Good luck!

>

> To: orion565@yahoogroups.com

> From: cole505@...

> Date: Thu, 15 Sep 2011 02:14:59 +0000

> Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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> Art were you able to get TT to repair the dead Aux-in? I spoke to Paul and Stan and they did not have a fix. Tiger asked me to check continuity on the pins so I'll do that. How did you figure out your aux-in was DOA?

>

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> Thanks & 73 de w5xj

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> --- In orion565@yahoogroups.com, "n4uc_2" <n4uc@> wrote:

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> > Same problem here. Make sure that you can get audio in via the front mic connector (don't forget to switch back to "mic" as input in TX menu). You might have to turn up the mic gain until you get some ALC action (red light). If this works, chances are your AUX-IN circuitry is dead (like mine).

>

> >

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> > Art N4UC

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> > --- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@> wrote:

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> > > Double check the SL USB procedures on your mixer setup (selecting the SLUSB)

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> > > ? USB AUDIO CODEC

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> > > Here is my O1 Settings for using the SLUSB

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> > > On the front of the Orion

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> > > MENU ? SSB ? AUX INPUT 14

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> > > TX AUDIO SOURCE AUX

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> > > IN DM780

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> > > In the WATERFALL screen select OPTIONS ? Left menu select SOUNDCARD ?

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> > > OUTPUT TRANSMIT should indicate USB AUDIO CODEC and SOURCE is WAVE

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> > > Might be some things to check out

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> > > John

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> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf

>

> > > Of w5xj2011

>

> > > Sent: Friday, August 26, 2011 10:44 PM

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> > > To: orion565@yahoogroups.com

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> > > > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

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> > > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On

>

> > > Behalf

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> > > > Of w5xj2011

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> > > > Sent: Friday, August 26, 2011 10:26 PM

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> > > > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

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> > > > Subject: [orion565] Orion I with signal link USB for PSK31 need config

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> > > > Grant / W5XJ

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7106. Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-22 04:38:50 UTC
From: n9aw
Topic: 7077 Message: 7106

I am having this exact problem with my Orion II and a new Signalink USB. I am using the cable provided by Signalink to my Aux I/O Port (8 pin). I have tried setting the TX Audio Source to AUX, increasing the Aux Input Gain all the way to max (100), increasing the H/W Mic Gain to max, increasing front panel MIC gain to max and turning on the SP and setting it to max. There is no ALC indication and no audio out, the transmitter goes into transmit when trying to send. I would hate to think that I will have to use the front panel mic jack to get this working.

73
Jerry N9AW

--- In orion565@yahoogroups.com, "w5xj2011" <cole505@...> wrote:
>
> Hello gang, i am trying to setup my Orion I to run psk31 via a signal link USB into DM780. I have the thing working enough that the program can hear and decode sigs but when i xmit all it does is key the xmiter but there is no output. Can anyone point me in the right direction. the Orion manual is of little help or else i am looking in he wrong place.
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> Thanks & 73,
>
> Grant / W5XJ
>

7107. Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-22 04:42:26 UTC
From: Jerry, N9AW
Topic: 7077 Message: 7107

To Grant and others. I do notice on page 11 of the Signalink Troubleshooting section it talks about "Special Jumpers" to install at JP3 which will dramatically increase the Signalink's transmit audio level. Perhaps this is work a shot.

73
Jerry N9AW

----- Original Message -----
From: n9aw
To: orion565@yahoogroups.com
Sent: Wednesday, September 21, 2011 11:38 PM
Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

I am having this exact problem with my Orion II and a new Signalink USB. I am using the cable provided by Signalink to my Aux I/O Port (8 pin). I have tried setting the TX Audio Source to AUX, increasing the Aux Input Gain all the way to max (100), increasing the H/W Mic Gain to max, increasing front panel MIC gain to max and turning on the SP and setting it to max. There is no ALC indication and no audio out, the transmitter goes into transmit when trying to send. I would hate to think that I will have to use the front panel mic jack to get this working.

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Jerry N9AW

--- In orion565@yahoogroups.com, "w5xj2011" <cole505@...> wrote:
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> Hello gang, i am trying to setup my Orion I to run psk31 via a signal link USB into DM780. I have the thing working enough that the program can hear and decode sigs but when i xmit all it does is key the xmiter but there is no output. Can anyone point me in the right direction. the Orion manual is of little help or else i am looking in he wrong place.
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> Thanks & 73,
>
> Grant / W5XJ
>

[Non-text portions of this message have been removed]

7108. RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-22 05:03:48 UTC
From: John Hudson
Topic: 7077 Message: 7108

Should not have to crank up the AUX INPUT to max.. mine is sitting on 13 and is fine, the front SP set at 6 .This is on my O1 BTW

Have you checked your cable to make sure it's good

Good luck

ALSO just for giggles and grins, might try a BATTERY FAIL reset and then a "regular reset" . Never know!!

73

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Jerry, N9AW
Sent: Wednesday, September 21, 2011 11:42 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

To Grant and others. I do notice on page 11 of the Signalink Troubleshooting section it talks about "Special Jumpers" to install at JP3 which will dramatically increase the Signalink's transmit audio level. Perhaps this is work a shot.

73
Jerry N9AW

----- Original Message -----
From: n9aw
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Sent: Wednesday, September 21, 2011 11:38 PM
Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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Jerry N9AW

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
"w5xj2011" <cole505@...> wrote:
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7109. RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-22 05:06:29 UTC
From: art davis
Topic: 7077 Message: 7109

This is getting fishy! Three of us (any more?) having the same exact problem? I do have the jumpers configured to provide the higher output level, although on paper it shouldn't need it. But I'm starting to wonder if there isn't something we're missing here. I opened my Orion back up this weekend and did some more signal tracing. I was able to confirm signal all the way to the point where there were other functions that shouldn't be working but that are, except for AUX-IN. I look at the audio going in on my o-scope and it looks normal, about 1 V p-p, with the gain at 100 and - nothing!

I have a couple of friends here in town with Orions and sounds like I need to make a visit to them with my SL and cable and try them. Right now I'm starting to have trouble blaming the radio.

to be continued...

To: orion565@yahoogroups.com
From: n9aw@...
Date: Wed, 21 Sep 2011 23:42:26 -0500
Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

To Grant and others. I do notice on page 11 of the Signalink Troubleshooting section it talks about "Special Jumpers" to install at JP3 which will dramatically increase the Signalink's transmit audio level. Perhaps this is work a shot.

73

Jerry N9AW

----- Original Message -----

From: n9aw

To: orion565@yahoogroups.com

Sent: Wednesday, September 21, 2011 11:38 PM

Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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73

Jerry N9AW

--- In orion565@yahoogroups.com, "w5xj2011" <cole505@...> wrote:

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7110. Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-22 12:17:11 UTC
From: Skip
Topic: 7077 Message: 7110

Add one more to the growing list. I have a new Orion II and am having the same problems. I have the rig working with both DigiPan and RMS Express to run PSK31 and WinMor using the Ten Tec #721 USB sound card, but can not get it to work with the SignaLink. In HRD sound card setup it shows the card with wave on the send, but is blank on recieve where it should show line in.

I have a long email from Tigertronics that lists some things to try, and will be working on this today. If that fails, I will call Jason at Tigertronics to discuss further and possibly return the unit.

Also, for those of you who want to run WinMor for your local ARES group, there is a new version of RMS Express coming out that will interface with all Ten Tec radios. The current version did not list Ten Tec as a selection. I got the test version from one of the developers last night, and it works great with the Orion.

Ed

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:
>
>
> This is getting fishy! Three of us (any more?) having the same exact problem? I do have the jumpers configured to provide the higher output level, although on paper it shouldn't need it. But I'm starting to wonder if there isn't something we're missing here. I opened my Orion back up this weekend and did some more signal tracing. I was able to confirm signal all the way to the point where there were other functions that shouldn't be working but that are, except for AUX-IN. I look at the audio going in on my o-scope and it looks normal, about 1 V p-p, with the gain at 100 and - nothing!
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> I have a couple of friends here in town with Orions and sounds like I need to make a visit to them with my SL and cable and try them. Right now I'm starting to have trouble blaming the radio.
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> to be continued...
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> To: orion565@yahoogroups.com
> From: n9aw@...
> Date: Wed, 21 Sep 2011 23:42:26 -0500
> Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit
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> Jerry N9AW
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> To: orion565@yahoogroups.com
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> Sent: Wednesday, September 21, 2011 11:38 PM
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> Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit
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> 73
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> Jerry N9AW
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> --- In orion565@yahoogroups.com, "w5xj2011" <cole505@> wrote:
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7111. Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-22 13:23:55 UTC
From: Jerry, N9AW
Topic: 7077 Message: 7111

I will be very interested to hear how the tests go using the Tigertronics list. If you can I would appreciate seeing the list - my email is n9aw at sbcglobal dot net.

I will also be double checking the Tigertronics supplied cable tonight.

Finally, I have 2 alternatives I can use to check this a bit more. I have an Omni 7 so can check the Signalink on there (uses a different cable to a 5 pin din). I also have a TenTec 712 interface which I may be able to check with the Orion II but TT's instructions are confusing. The DIN plug on the TT712 Adaptor is 5 pin and they say to use it with the Orion II plug it into the AUX IO port (which is 8 pin DIN). I've never used a 5 pin DIN connector into a 8 pin DIN jack - would it even fit?

73
Jerry N9AW

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----- Original Message -----
From: Skip
To: orion565@yahoogroups.com
Sent: Thursday, September 22, 2011 7:17 AM
Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Add one more to the growing list. I have a new Orion II and am having the same problems. I have the rig working with both DigiPan and RMS Express to run PSK31 and WinMor using the Ten Tec #721 USB sound card, but can not get it to work with the SignaLink. In HRD sound card setup it shows the card with wave on the send, but is blank on recieve where it should show line in.

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Ed

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:
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> to be continued...
>
> To: orion565@yahoogroups.com
> From: n9aw@...
> Date: Wed, 21 Sep 2011 23:42:26 -0500
> Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit
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> Jerry N9AW
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> ----- Original Message -----
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> From: n9aw
>
> To: orion565@yahoogroups.com
>
> Sent: Wednesday, September 21, 2011 11:38 PM
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> Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit
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> --- In orion565@yahoogroups.com, "w5xj2011" <cole505@> wrote:
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7112. Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-22 15:18:36 UTC
From: pa1ap
Topic: 7077 Message: 7112

Just to double check;

On Orion 566 (2) please ensure you include a capacitor to decouple from the DC signal on the audiopin. This has been reported by Peter OZ1PIF a while back. Fro whatever reason TT forgot the decouple the AF signals from DC and you will find +5VDC on the audio pin. This DC voltage saturates the transformer causing very poor audio transformation.

For me the signalink works great. Cheers Onno de pa1ap

--- In orion565@yahoogroups.com, "Skip" <ebhudgens@...> wrote:
>
> Add one more to the growing list. I have a new Orion II and am having the same problems. I have the rig working with both DigiPan and RMS Express to run PSK31 and WinMor using the Ten Tec #721 USB sound card, but can not get it to work with the SignaLink. In HRD sound card setup it shows the card with wave on the send, but is blank on recieve where it should show line in.
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> > From: n9aw@
> > Date: Wed, 21 Sep 2011 23:42:26 -0500
> > Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit
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7113. Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-22 15:37:57 UTC
From: John
Topic: 7077 Message: 7113

Hi Jerry,

I can help with the din connector.
The 712 ships with a 5-pin din, as you are aware.
These 5 pins match the "top 5" pins on the 8 pin din labeled AUXIO on the Orion II in function and form factor.
No adapter necessary.
Just ensure that you place the indented metal key on the collar of the 5 pin din of the 712 into the 8 pin din slot where the key should go.

Good Luck,
John Henry

--- In orion565@yahoogroups.com, "Jerry, N9AW" <n9aw@...> wrote:
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> I will be very interested to hear how the tests go using the Tigertronics list. If you can I would appreciate seeing the list - my email is n9aw at sbcglobal dot net.
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> I will also be double checking the Tigertronics supplied cable tonight.
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> Finally, I have 2 alternatives I can use to check this a bit more. I have an Omni 7 so can check the Signalink on there (uses a different cable to a 5 pin din). I also have a TenTec 712 interface which I may be able to check with the Orion II but TT's instructions are confusing. The DIN plug on the TT712 Adaptor is 5 pin and they say to use it with the Orion II plug it into the AUX IO port (which is 8 pin DIN). I've never used a 5 pin DIN connector into a 8 pin DIN jack - would it even fit?
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7114. Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-22 21:10:54 UTC
From: n9aw
Topic: 7077 Message: 7114

Thank you very much John, I will try this tonight with my TT712 to see if it will work with my O-2. I wasn't sure if the 5 pin DIN would physically mate to the 8 pin socket but it sounds like it should.

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7115. RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-22 23:56:47 UTC
From: art davis
Topic: 7077 Message: 7115

OK, breaking news! I just tried (for the 50th time) to put audio from a signal generator (my TS-940 with the calibratpr on) into the AUX-IN connector and it WORKS. I don't know why it worked, but it did, and still does. With the AUX GAIN set at 20, it trips the VOX with ALC light on with about 1.5 Vp-p audio level going in. With a gain of 15, it takes about 2V p-p. So it now appears to be working. I know that my SL-USB only puts out about 1V p-p which would explain why it never tripped the VOX. The input sensitivity of the AUX-IN is listed as 6dbm (1.5 V), where the mic input is 5mv for full output.. Way more sensitive than the AUX-IN port.
73, Art
To: orion565@yahoogroups.com
From: n9aw@...
Date: Thu, 22 Sep 2011 21:10:54 +0000
Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Thank you very much John, I will try this tonight with my TT712 to see if it will work with my O-2. I wasn't sure if the 5 pin DIN would physically mate to the 8 pin socket but it sounds like it should.

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> > > From: n9aw@

> > > Date: Wed, 21 Sep 2011 23:42:26 -0500

> > > Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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> > > Jerry N9AW

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> > > ----- Original Message -----

> > >

> > > From: n9aw

> > >

> > > To: orion565@yahoogroups.com

> > >

> > > Sent: Wednesday, September 21, 2011 11:38 PM

> > >

> > > Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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7116. Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-23 00:24:20 UTC
From: James Skalski
Topic: 7077 Message: 7116

The unit has provisions for increasing the transmit audio to 2v P-P at 600 ohms
I think it is jumper 3.

Jim n2go

From: art davis <n4uc@...>
To: orion565@yahoogroups.com
Sent: Thursday, September 22, 2011 7:56 PM
Subject: RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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73, Art
To: orion565@yahoogroups.com
From: n9aw@...
Date: Thu, 22 Sep 2011 21:10:54 +0000
Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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Yahoo! Groups Links

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7117. RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-23 03:46:45 UTC
From: art davis
Topic: 7077 Message: 7117

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Date: Thu, 22 Sep 2011 17:24:20 -0700
Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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7118. RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-23 04:25:58 UTC
From: John Hudson
Topic: 7077 Message: 7118

I don't know if anyone has compared but WHAT FIRMWARE versions are the ones having trouble using? Any recent upgrades or has anyone tried to reload or try another version? Just thinking out loud here

John
KO4XJ

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of art davis
Sent: Thursday, September 22, 2011 10:47 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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> > > to be continued...

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> > > To: orion565@yahoogroups.com

> > > From: n9aw@

> > > Date: Wed, 21 Sep 2011 23:42:26 -0500

> > > Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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> > > Jerry N9AW

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> > > ----- Original Message -----

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> > > From: n9aw

> > >

> > > To: orion565@yahoogroups.com

> > >

> > > Sent: Wednesday, September 21, 2011 11:38 PM

> > >

> > > Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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Yahoo! Groups Links

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Yahoo! Groups Links

7119. RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-23 05:29:41 UTC
From: art davis
Topic: 7077 Message: 7119

Good thinking. I know it shouldn't matter, but a lot of things change when a different version is installed.

2.063Xg here

To: orion565@yahoogroups.com
From: jd_hudson@...
Date: Thu, 22 Sep 2011 23:25:58 -0500
Subject: RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

I don't know if anyone has compared but WHAT FIRMWARE versions are the ones

having trouble using? Any recent upgrades or has anyone tried to reload or

try another version? Just thinking out loud here

John

KO4XJ

-----Original Message-----

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf

Of art davis

Sent: Thursday, September 22, 2011 10:47 PM

To: orion565@yahoogroups.com

Subject: RE: [orion565] Re: Orion I with signal link USB for PSK31 need

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I'll be scratching my head over this for a while to come.

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To: orion565@yahoogroups.com

From: jskalski@...

Date: Thu, 22 Sep 2011 17:24:20 -0700

Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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I think it is jumper 3.

Jim n2go

From: art davis <n4uc@...>

To: orion565@yahoogroups.com

Sent: Thursday, September 22, 2011 7:56 PM

Subject: RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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73, Art

To: orion565@yahoogroups.com

From: n9aw@...

Date: Thu, 22 Sep 2011 21:10:54 +0000

Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config

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if it will work with my O-2. I wasn't sure if the 5 pin DIN would

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> > > To: orion565@yahoogroups.com

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> > > Sent: Wednesday, September 21, 2011 11:38 PM

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Yahoo! Groups Links

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7120. Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-23 05:42:34 UTC
From: Jerry, N9AW
Topic: 7077 Message: 7120

N9AW is on 2.039d

----- Original Message -----
From: John Hudson
To: orion565@yahoogroups.com
Sent: Thursday, September 22, 2011 11:25 PM
Subject: RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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Sent: Thursday, September 22, 2011 10:47 PM
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Subject: RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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Yahoo! Groups Links

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7121. Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-23 05:45:46 UTC
From: Jerry, N9AW
Topic: 7077 Message: 7121

Art,
Thanks for the update. I am going to install that jumper tomorrow and see if it will work with the Aux Gain cranked up a bit. I need to get something going before the CQWW RTTY contest which starts Friday evening. I am not in it for a big score just want to get back to RTTY and cross the DXCC threshold (86 worked now). Haven't been on RTTY for around 10 yrs, having a ball.

73
Jerry N9AW

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From: "art davis" <n4uc@...>
To: <orion565@yahoogroups.com>
Sent: Thursday, September 22, 2011 10:46 PM
Subject: RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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> I think it is jumper 3.
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> Jim n2go
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> From: art davis <n4uc@...>
>
> To: orion565@yahoogroups.com
>
> Sent: Thursday, September 22, 2011 7:56 PM
>
> Subject: RE: [orion565] Re: Orion I with signal link USB for PSK31 need
> config help!!! Receives but no xmit
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>
> OK, breaking news! I just tried (for the 50th time) to put audio from a
> signal generator (my TS-940 with the calibratpr on) into the AUX-IN
> connector and it WORKS. I don't know why it worked, but it did, and still
> does. With the AUX GAIN set at 20, it trips the VOX with ALC light on with
> about 1.5 Vp-p audio level going in. With a gain of 15, it takes about 2V
> p-p. So it now appears to be working. I know that my SL-USB only puts out
> about 1V p-p which would explain why it never tripped the VOX. The input
> sensitivity of the AUX-IN is listed as 6dbm (1.5 V), where the mic input

> is 5mv for full output.. Way more sensitive than the AUX-IN port.
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> 73, Art
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> To: orion565@yahoogroups.com
>
> From: n9aw@...
>
> Date: Thu, 22 Sep 2011 21:10:54 +0000
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> Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config
> help!!! Receives but no xmit
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> Thank you very much John, I will try this tonight with my TT712 to
> see if it will work with my O-2. I wasn't sure if the 5 pin DIN would
> physically mate to the 8 pin socket but it sounds like it should.
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> Jerry N9AW
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> --- In orion565@yahoogroups.com, "John" <jshenry1963@...> wrote:
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>> Hi Jerry,
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>> I can help with the din connector.
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>> The 712 ships with a 5-pin din, as you are aware.
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>> These 5 pins match the "top 5" pins on the 8 pin din labeled AUXIO on the
>> Orion II in function and form factor.
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>> No adapter necessary.
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>> Just ensure that you place the indented metal key on the collar of the 5
>> pin din of the 712 into the 8 pin din slot where the key should go.
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>> Good Luck,
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>> John Henry
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>> --- In orion565@yahoogroups.com, "Jerry, N9AW" <n9aw@> wrote:
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>> > Tigertronics list. If you can I would appreciate seeing the list - my
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>> > be able to check with the Orion II but TT's instructions are confusing.
>> > The DIN plug on the TT712 Adaptor is 5 pin and they say to use it with
>> > the Orion II plug it into the AUX IO port (which is 8 pin DIN). I've
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>> > ----- Original Message -----
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>> > To: orion565@yahoogroups.com
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>> > Sent: Thursday, September 22, 2011 7:17 AM
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>> > the same problems. I have the rig working with both DigiPan and RMS
>> > Express to run PSK31 and WinMor using the Ten Tec #721 USB sound card,
>> > but can not get it to work with the SignaLink. In HRD sound card setup
>> > it shows the card with wave on the send, but is blank on recieve where
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>> > Also, for those of you who want to run WinMor for your local ARES
>> > group, there is a new version of RMS Express coming out that will
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>> > Tec as a selection. I got the test version from one of the developers
>> > last night, and it works great with the Orion.
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>> > Orion back up this weekend and did some more signal tracing. I was able
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>> > functions that shouldn't be working but that are, except for AUX-IN. I
>> > look at the audio going in on my o-scope and it looks normal, about 1 V

>> > p-p, with the gain at 100 and - nothing!
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>> > > to be continued...
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>> > > To: orion565@yahoogroups.com
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>> > > From: n9aw@
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>> > > Date: Wed, 21 Sep 2011 23:42:26 -0500
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>> > > Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31
>> > need config help!!! Receives but no xmit
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>> > > To Grant and others. I do notice on page 11 of the Signalink
>> > Troubleshooting section it talks about "Special Jumpers" to install at
>> > JP3 which will dramatically increase the Signalink's transmit audio
>> > level. Perhaps this is work a shot.
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>> > > ----- Original Message -----
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>> > > From: n9aw
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>> > > To: orion565@yahoogroups.com
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>> > > Sent: Wednesday, September 21, 2011 11:38 PM
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>> > > Subject: [orion565] Re: Orion I with signal link USB for PSK31 need
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>> > USB. I am using the cable provided by Signalink to my Aux I/O Port (8
>> > pin). I have tried setting the TX Audio Source to AUX, increasing the

>> > Aux Input Gain all the way to max (100), increasing the H/W Mic Gain to
>> > max, increasing front panel MIC gain to max and turning on the SP and
>> > setting it to max. There is no ALC indication and no audio out, the
>> > transmitter goes into transmit when trying to send. I would hate to
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>> > > --- In orion565@yahoogroups.com, "w5xj2011" <cole505@> wrote:
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>> > > > Hello gang, i am trying to setup my Orion I to run psk31 via a
>> > signal link USB into DM780. I have the thing working enough that the
>> > program can hear and decode sigs but when i xmit all it does is key the
>> > xmiter but there is no output. Can anyone point me in the right
>> > direction. the Orion manual is of little help or else i am looking in
>> > he wrong place.
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>> > > > Thanks & 73,
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7122. Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-23 11:50:20 UTC
From: Skip
Topic: 7077 Message: 7122

Jerry

I sent you their list, but here it is for everyone else:
Ten-Tec Orion Setup
==========
RX Audio - The "Audio" menu determines what audio is available on pins 4 and 6, so the SignaLink's SPKR jumper will need to be set accordingly or you'll have no Rx Audio.

MIC GAIN CONTROL - This control will have no affect on the SignaLink, so you should be adjusting the "Aux Input Gain" control instead. This will affect your power output (see below)

AUX INPUT GAIN - Set this control at 75 to start, and turn it up higher if you still have no power out.

TX AUDIO SOURCE - This must be set to AUX.

TRANSMITTER - This must be set to ON, or the transmitter will be disabled.

RF POWER - Set for 100 watts. Once things are working, you will adjust the SignaLink's TX knob for the desired power output. You can lower the RF Power if the TX knob adjustment is touchy.

VOX - OFF

TX FILTER BANDWIDTH - I don't think this can be set narrow enough to get you into trouble, but 2.7Khz is the recommended setting.

KEYING LOOPS - Unless you have an amplifier connected, these should be OFF.

--- In orion565@yahoogroups.com, "Jerry, N9AW" <n9aw@...> wrote:
>
> I will be very interested to hear how the tests go using the Tigertronics list. If you can I would appreciate seeing the list - my email is n9aw at sbcglobal dot net.
>
> I will also be double checking the Tigertronics supplied cable tonight.
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> Finally, I have 2 alternatives I can use to check this a bit more. I have an Omni 7 so can check the Signalink on there (uses a different cable to a 5 pin din). I also have a TenTec 712 interface which I may be able to check with the Orion II but TT's instructions are confusing. The DIN plug on the TT712 Adaptor is 5 pin and they say to use it with the Orion II plug it into the AUX IO port (which is 8 pin DIN). I've never used a 5 pin DIN connector into a 8 pin DIN jack - would it even fit?
>
> 73
> Jerry N9AW

>
> .
> ----- Original Message -----
> From: Skip
> To: orion565@yahoogroups.com
> Sent: Thursday, September 22, 2011 7:17 AM
> Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit
>
>
>
> Add one more to the growing list. I have a new Orion II and am having the same problems. I have the rig working with both DigiPan and RMS Express to run PSK31 and WinMor using the Ten Tec #721 USB sound card, but can not get it to work with the SignaLink. In HRD sound card setup it shows the card with wave on the send, but is blank on recieve where it should show line in.
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> --- In orion565@yahoogroups.com, art davis <n4uc@> wrote:
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> > This is getting fishy! Three of us (any more?) having the same exact problem? I do have the jumpers configured to provide the higher output level, although on paper it shouldn't need it. But I'm starting to wonder if there isn't something we're missing here. I opened my Orion back up this weekend and did some more signal tracing. I was able to confirm signal all the way to the point where there were other functions that shouldn't be working but that are, except for AUX-IN. I look at the audio going in on my o-scope and it looks normal, about 1 V p-p, with the gain at 100 and - nothing!
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> > I have a couple of friends here in town with Orions and sounds like I need to make a visit to them with my SL and cable and try them. Right now I'm starting to have trouble blaming the radio.
> >
> > to be continued...
> >
> > To: orion565@yahoogroups.com
> > From: n9aw@
> > Date: Wed, 21 Sep 2011 23:42:26 -0500
> > Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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7123. RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-23 17:42:43 UTC
From: art davis
Topic: 7077 Message: 7123

Good luck, hope it works out. Otherwise you can always use the mic input till u figger it out (don't use the JP3 jumper though!)

To: orion565@yahoogroups.com
From: n9aw@...
Date: Fri, 23 Sep 2011 00:45:46 -0500
Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Art,

Thanks for the update. I am going to install that jumper tomorrow and see

if it will work with the Aux Gain cranked up a bit. I need to get something

going before the CQWW RTTY contest which starts Friday evening. I am not in

it for a big score just want to get back to RTTY and cross the DXCC

threshold (86 worked now). Haven't been on RTTY for around 10 yrs, having a

ball.

73

Jerry N9AW

----- Original Message -----

From: "art davis" <n4uc@...>

To: <orion565@yahoogroups.com>

Sent: Thursday, September 22, 2011 10:46 PM

Subject: RE: [orion565] Re: Orion I with signal link USB for PSK31 need

config help!!! Receives but no xmit

>

> Yes, the jumper JP3 has been in place through all this. But the best I can

> get out of the SLUSB is 1.4 Vp-p which is not enough to trip the VOX on

> the Orion. However, after wiring up the PTT the radio goes into transmit

> and with a AUX GAIN set between 30-40 I get full power out now.

>

> I hope the others of you have your problem to magically disappear as well.

> I'll be scratching my head over this for a while to come.

>

> 73

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> To: orion565@yahoogroups.com

> From: jskalski@...

> Date: Thu, 22 Sep 2011 17:24:20 -0700

> Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need

> config help!!! Receives but no xmit

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> I think it is jumper 3.

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> Jim n2go

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> From: art davis <n4uc@...>

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> To: orion565@yahoogroups.com

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> Sent: Thursday, September 22, 2011 7:56 PM

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> Subject: RE: [orion565] Re: Orion I with signal link USB for PSK31 need
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> does. With the AUX GAIN set at 20, it trips the VOX with ALC light on with
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> p-p. So it now appears to be working. I know that my SL-USB only puts out
> about 1V p-p which would explain why it never tripped the VOX. The input
> sensitivity of the AUX-IN is listed as 6dbm (1.5 V), where the mic input
> is 5mv for full output.. Way more sensitive than the AUX-IN port.
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> Date: Thu, 22 Sep 2011 21:10:54 +0000
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> Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config
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> Jerry N9AW

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> --- In orion565@yahoogroups.com, "John" <jshenry1963@...> wrote:

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>> I can help with the din connector.

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>> No adapter necessary.

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>> Just ensure that you place the indented metal key on the collar of the 5

>> pin din of the 712 into the 8 pin din slot where the key should go.

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>> Good Luck,

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>> John Henry

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>> > cable to a 5 pin din). I also have a TenTec 712 interface which I may

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>> > never used a 5 pin DIN connector into a 8 pin DIN jack - would it even

>> > fit?

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>> > 73

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>> > Jerry N9AW

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>> > ----- Original Message -----

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>> > From: Skip

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>> > To: orion565@yahoogroups.com

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>> > Sent: Thursday, September 22, 2011 7:17 AM

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>> > Subject: [orion565] Re: Orion I with signal link USB for PSK31 need

>> > config help!!! Receives but no xmit

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>> > the same problems. I have the rig working with both DigiPan and RMS

>> > Express to run PSK31 and WinMor using the Ten Tec #721 USB sound card,

>> > but can not get it to work with the SignaLink. In HRD sound card setup

>> > it shows the card with wave on the send, but is blank on recieve where

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>> > and will be working on this today. If that fails, I will call Jason at

>> > Tigertronics to discuss further and possibly return the unit.

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>> > Also, for those of you who want to run WinMor for your local ARES

>> > group, there is a new version of RMS Express coming out that will

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>> > Tec as a selection. I got the test version from one of the developers

>> > last night, and it works great with the Orion.

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>> > Ed

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>> > --- In orion565@yahoogroups.com, art davis <n4uc@> wrote:

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>> > exact problem? I do have the jumpers configured to provide the higher

>> > output level, although on paper it shouldn't need it. But I'm starting

>> > to wonder if there isn't something we're missing here. I opened my

>> > Orion back up this weekend and did some more signal tracing. I was able

>> > to confirm signal all the way to the point where there were other

>> > functions that shouldn't be working but that are, except for AUX-IN. I

>> > look at the audio going in on my o-scope and it looks normal, about 1 V

>> > p-p, with the gain at 100 and - nothing!

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>> > I need to make a visit to them with my SL and cable and try them. Right

>> > now I'm starting to have trouble blaming the radio.

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>> > > to be continued...

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>> > > To: orion565@yahoogroups.com

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>> > > From: n9aw@

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>> > > Date: Wed, 21 Sep 2011 23:42:26 -0500

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>> > > Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31

>> > need config help!!! Receives but no xmit

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>> > Troubleshooting section it talks about "Special Jumpers" to install at

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>> > > Jerry N9AW

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>> > > ----- Original Message -----

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>> > > From: n9aw

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>> > > To: orion565@yahoogroups.com

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>> > > Sent: Wednesday, September 21, 2011 11:38 PM

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>> > config help!!! Receives but no xmit

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>> > USB. I am using the cable provided by Signalink to my Aux I/O Port (8

>> > pin). I have tried setting the TX Audio Source to AUX, increasing the

>> > Aux Input Gain all the way to max (100), increasing the H/W Mic Gain to

>> > max, increasing front panel MIC gain to max and turning on the SP and

>> > setting it to max. There is no ALC indication and no audio out, the

>> > transmitter goes into transmit when trying to send. I would hate to

>> > think that I will have to use the front panel mic jack to get this

>> > working.

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>> > > --- In orion565@yahoogroups.com, "w5xj2011" <cole505@> wrote:

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>> > > > Hello gang, i am trying to setup my Orion I to run psk31 via a

>> > signal link USB into DM780. I have the thing working enough that the

>> > program can hear and decode sigs but when i xmit all it does is key the

>> > xmiter but there is no output. Can anyone point me in the right

>> > direction. the Orion manual is of little help or else i am looking in

>> > he wrong place.

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>> > > > Thanks & 73,

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>> > > > Grant / W5XJ

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> Yahoo! Groups Links

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7124. Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-24 08:18:56 UTC
From: pa1ap
Topic: 7077 Message: 7124

In case of 566; take a DC voltmeter and measure on the audio pins if you detect +5VDC... if so, you know you need to include a series capacitor to avoid transformer saturation....
--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:
>
>
> OK, breaking news! I just tried (for the 50th time) to put audio from a signal generator (my TS-940 with the calibratpr on) into the AUX-IN connector and it WORKS. I don't know why it worked, but it did, and still does. With the AUX GAIN set at 20, it trips the VOX with ALC light on with about 1.5 Vp-p audio level going in. With a gain of 15, it takes about 2V p-p. So it now appears to be working. I know that my SL-USB only puts out about 1V p-p which would explain why it never tripped the VOX. The input sensitivity of the AUX-IN is listed as 6dbm (1.5 V), where the mic input is 5mv for full output.. Way more sensitive than the AUX-IN port.
> 73, Art
> To: orion565@yahoogroups.com
> From: n9aw@...
> Date: Thu, 22 Sep 2011 21:10:54 +0000
> Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit
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> Thank you very much John, I will try this tonight with my TT712 to see if it will work with my O-2. I wasn't sure if the 5 pin DIN would physically mate to the 8 pin socket but it sounds like it should.
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> 73
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> Jerry N9AW
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> --- In orion565@yahoogroups.com, "John" <jshenry1963@> wrote:
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> >
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> > Hi Jerry,
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>
> > I can help with the din connector.
>
> > The 712 ships with a 5-pin din, as you are aware.
>
> > These 5 pins match the "top 5" pins on the 8 pin din labeled AUXIO on the Orion II in function and form factor.
>
> > No adapter necessary.
>
> > Just ensure that you place the indented metal key on the collar of the 5 pin din of the 712 into the 8 pin din slot where the key should go.
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> > Good Luck,
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> > John Henry
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> > --- In orion565@yahoogroups.com, "Jerry, N9AW" <n9aw@> wrote:
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> > > I will be very interested to hear how the tests go using the Tigertronics list. If

you can I would appreciate seeing the list - my email is n9aw at sbcglobal dot net.
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> > > I will also be double checking the Tigertronics supplied cable tonight.
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> > > Finally, I have 2 alternatives I can use to check this a bit more. I have an Omni 7 so can check the Signalink on there (uses a different cable to a 5 pin din). I also have a TenTec 712 interface which I may be able to check with the Orion II but TT's instructions are confusing. The DIN plug on the TT712 Adaptor is 5 pin and they say to use it with the Orion II plug it into the AUX IO port (which is 8 pin DIN). I've never used a 5 pin DIN connector into a 8 pin DIN jack - would it even fit?
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> > > 73
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> > > Jerry N9AW
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> > > ----- Original Message -----
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> > > From: Skip
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> > > To: orion565@yahoogroups.com
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> > > Sent: Thursday, September 22, 2011 7:17 AM
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> > > Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit
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> > > > I have a couple of friends here in town with Orions and sounds like I need to make a visit to them with my SL and cable and try them. Right now I'm starting to have trouble blaming the radio.
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> > > > To: orion565@yahoogroups.com
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> > > > From: n9aw@
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> > > > Date: Wed, 21 Sep 2011 23:42:26 -0500
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> > > > Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit
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7125. Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-24 11:40:24 UTC
From: Skip
Topic: 7077 Message: 7125

Good news - I think. The Tech from Tigertronics called late yesterday and we went through the setup. I explained that I had the rig working with HRD, DigiPan, and RMS Express with the 712 dongle, but couild not get it to work with the SignaLink. Maybe I am dense, but a few of their steps in the setup are not as clear as they could have been. That said, after about 15 minutes we had it working perfectly. I doubt that I will use HRD very much because it had too many options for my needs. I will do a little PSK31 using DigiPan and use RMS Express for WinMor ARES communications.

Now to go make screen shots of all of the places we made setting changes so when it screws up or I have to reconnect it to the XP maching I will have a record of what we did. Or I can just go back to the 712 which is true plug and play.....

--- In orion565@yahoogroups.com, "Skip" <ebhudgens@...> wrote:
>
> Jerry
>
> I sent you their list, but here it is for everyone else:
> Ten-Tec Orion Setup
> ==========
> RX Audio - The "Audio" menu determines what audio is available on pins 4 and 6, so the SignaLink's SPKR jumper will need to be set accordingly or you'll have no Rx Audio.
>
> MIC GAIN CONTROL - This control will have no affect on the SignaLink, so you should be adjusting the "Aux Input Gain" control instead. This will affect your power output (see below)
>
> AUX INPUT GAIN - Set this control at 75 to start, and turn it up higher if you still have no power out.
>
> TX AUDIO SOURCE - This must be set to AUX.
>
> TRANSMITTER - This must be set to ON, or the transmitter will be disabled.
>
> RF POWER - Set for 100 watts. Once things are working, you will adjust the SignaLink's TX knob for the desired power output. You can lower the RF Power if the TX knob adjustment is touchy.
>
> VOX - OFF
>
> TX FILTER BANDWIDTH - I don't think this can be set narrow enough to get you into trouble, but 2.7Khz is the recommended setting.
>
> KEYING LOOPS - Unless you have an amplifier connected, these should be OFF.
>

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>
> --- In orion565@yahoogroups.com, "Jerry, N9AW" <n9aw@> wrote:
> >
> > I will be very interested to hear how the tests go using the Tigertronics list. If you can I would appreciate seeing the list - my email is n9aw at sbcglobal dot net.
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> > I will also be double checking the Tigertronics supplied cable tonight.
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> > 73
> > Jerry N9AW
> >
> > .
> > ----- Original Message -----
> > From: Skip
> > To: orion565@yahoogroups.com
> > Sent: Thursday, September 22, 2011 7:17 AM
> > Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit
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> > --- In orion565@yahoogroups.com, art davis <n4uc@> wrote:
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> > >

> > > This is getting fishy! Three of us (any more?) having the same exact problem? I do have the jumpers configured to provide the higher output level, although on paper it shouldn't need it. But I'm starting to wonder if there isn't something we're missing here. I opened my Orion back up this weekend and did some more signal tracing. I was able to confirm signal all the way to the point where there were other functions that shouldn't be working but that are, except for AUX-IN. I look at the audio going in on my o-scope and it looks normal, about 1 V p-p, with the gain at 100 and - nothing!
> > >
> > > I have a couple of friends here in town with Orions and sounds like I need to make a visit to them with my SL and cable and try them. Right now I'm starting to have trouble blaming the radio.
> > >
> > > to be continued...
> > >
> > > To: orion565@yahoogroups.com
> > > From: n9aw@
> > > Date: Wed, 21 Sep 2011 23:42:26 -0500
> > > Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit
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> > > To Grant and others. I do notice on page 11 of the Signalink Troubleshooting section it talks about "Special Jumpers" to install at JP3 which will dramatically increase the Signalink's transmit audio level. Perhaps this is work a shot.

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> > > 73
> > >
> > > Jerry N9AW
> > >
> > >
> > >
> > > ----- Original Message -----
> > >
> > > From: n9aw
> > >
> > > To: orion565@yahoogroups.com
> > >
> > > Sent: Wednesday, September 21, 2011 11:38 PM
> > >
> > > Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit
> > >
> > >
> > >
> > > I am having this exact problem with my Orion II and a new Signalink USB. I am using the cable provided by Signalink to my Aux I/O Port (8 pin). I have tried setting the TX Audio Source to AUX, increasing the Aux Input Gain all the way to max (100), increasing the H/W Mic Gain to max, increasing front panel MIC gain to max and turning on the SP and setting it to max. There is no ALC indication and no audio out, the transmitter goes into transmit when trying to send. I would hate to think that I will have to use the front panel mic jack to get this working.
> > >
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> > >
> > > 73
> > >
> > > Jerry N9AW
> > >
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> > >
> > > --- In orion565@yahoogroups.com, "w5xj2011" <cole505@> wrote:
> > >
> > > >
> > >
> > > Hello gang, i am trying to setup my Orion I to run psk31 via a signal link USB into DM780. I have the thing working enough that the program can hear and decode sigs but when i xmit all it does is key the xmiter but there is no output. Can anyone point me in the right direction. the Orion manual is of little help or else i am looking in he wrong place.
> > >
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> > >
> > > Thanks & 73,

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> > > > Grant / W5XJ
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> > > [Non-text portions of this message have been removed]
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7126. Heil PR-30 and PR-40.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-25 01:40:01 UTC
From: Tony Sokol
Topic: 7126 Message: 7126

Hi Gang,
I wonder if anyone is using a Heil PR-30 or PR-40 with the Orion II and not using an outboard EQ like the W2IHY 8-Band. I tried using the on board EQ with the PR-30 but it apparently doesn't have the range to deal with the flat response of the professional mic's. I have a basey voice and everyone says I sound "Mushy". The Heil HC-5 cartridge sounds great as does the TT 709 which I use most of the time. Am I missing something here?

Thanks
73
Tony - W9JXN

7127. RE: [orion565] Heil PR-30 and PR-40.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-25 04:25:24 UTC
From: Ralph Matthews
Topic: 7126 Message: 7127

Hi, Tony! I am using the Heil PR 40 microphone and running it through the W2IHY EQ Plus and the 8 Band Equalizer. I have a really low voice and I found that I had to really pump up the highs on the 8 band....the last four sliders (the higher frequencies) are just about at max. I had some of my buddies listen to me on 80 meters and got me dialed in. When I listen through the Sony MDR v6 headphones on monitor mode, I listen at about 40%. You can really tell when certain frequencies are changed. If you listen through the back end of the outboard EQ, you don't really get what the transmitted audio sounds like. When I first got the Orion II, the reports I got on transmit audio were that my signal was "mushy", just like you are experiencing. The PR 40 did not sound good without outboard EQ. So, my "cure" was to turn the highs just about to max. With the outboard EQ, I am running the microphone gain at about 30%, because if I hit it harder the ALC does not like it.

I am running the transmit bandwidth at 3800 and I am getting some really good reports on the audio. One response was that it sounded like "broadcast" quality. I am not an ESSB nut, but guess I'm getting close! Hope this helps.

73, Ralph, NA6D

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Tony Sokol
Sent: Saturday, September 24, 2011 6:40 PM
To: orion565@yahoogroups.com
Subject: [orion565] Heil PR-30 and PR-40.

Hi Gang,
I wonder if anyone is using a Heil PR-30 or PR-40 with the Orion II and not using an outboard EQ like the W2IHY 8-Band. I tried using the on board EQ with the PR-30 but it apparently doesn't have the range to deal with the flat response of the professional mic's. I have a basey voice and everyone says I sound "Mushy". The Heil HC-5 cartridge sounds great as does the TT 709 which I use most of the time. Am I missing something here?

Thanks
73
Tony - W9JXN

Yahoo! Groups Links

7128. Re: [orion565] Heil PR-30 and PR-40.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-25 09:49:17 UTC
From: Barry N1EU
Topic: 7126 Message: 7128

On Sun, Sep 25, 2011 at 4:25 AM, Ralph Matthews <rondo47@...>wrote:

> **
>
>
> I have a really low voice and I
> found that I had to really pump up the highs on the 8 band....the last four
> sliders (the higher frequencies) are just about at max.
>

Did you try running Orion TX EQ at -15 to -20dB to roll off your lows?

73, Barry N1EU

[Non-text portions of this message have been removed]

7129. RE: [orion565] Heil PR-30 and PR-40.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-25 14:28:06 UTC
From: Ralph Matthews
Topic: 7126 Message: 7129

Barry: Yes I did roll off the lows going straight to the O2. The audio checks I got from others said it still sounded mushy! Go figure!!

Ralph, NA6D

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Sunday, September 25, 2011 2:49 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Heil PR-30 and PR-40.

On Sun, Sep 25, 2011 at 4:25 AM, Ralph Matthews <rondo47@...>wrote:

> **
>
>
> I have a really low voice and I
> found that I had to really pump up the highs on the 8 band....the last
> four sliders (the higher frequencies) are just about at max.
>

Did you try running Orion TX EQ at -15 to -20dB to roll off your lows?

73, Barry N1EU

[Non-text portions of this message have been removed]

Yahoo! Groups Links

7130. Re: [orion565] Heil PR-30 and PR-40.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-25 14:49:50 UTC
From: Barry N1EU
Topic: 7126 Message: 7130

On Sun, Sep 25, 2011 at 2:28 PM, Ralph Matthews <rondo47@...>wrote:

> **
>
>
> Barry: Yes I did roll off the lows going straight to the O2. The audio
> checks I got from others said it still sounded mushy! Go figure!!
>
>
"Going straight to the O2" sounds like you're rolling them off external to the O2. Your first step should be to bypass all external equalization and adjust the Orion's TX EQ setting for best treble/bass balance and only then start fiddling with the external EQ.

Barry N1EU

[Non-text portions of this message have been removed]

7131. RE: [orion565] Heil PR-30 and PR-40.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-25 16:48:53 UTC
From: Andrew B. Steen
Topic: 7126 Message: 7131

Hi Ralph et al.

I was using the Pro-30 straight in for some time, and the guys on 3737 liked it . I don't have a lot of lows in my voice. I replaced it with a Shure 55 series II and since the guys liked that better, I now have a pro-30 for sale in original box.

73,

Andrew

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Ralph Matthews
Sent: Sunday, September 25, 2011 7:28 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Heil PR-30 and PR-40.

Barry: Yes I did roll off the lows going straight to the O2. The audio checks I got from others said it still sounded mushy! Go figure!!

Ralph, NA6D

-----Original Message-----
From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
Of Barry N1EU
Sent: Sunday, September 25, 2011 2:49 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] Heil PR-30 and PR-40.

On Sun, Sep 25, 2011 at 4:25 AM, Ralph Matthews <rondo47@...
<mailto:rondo47%40surewest.net> >wrote:

> **
>
>
> I have a really low voice and I
> found that I had to really pump up the highs on the 8 band....the last
> four sliders (the higher frequencies) are just about at max.
>

Did you try running Orion TX EQ at -15 to -20dB to roll off your lows?

73, Barry N1EU

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

7132. Re: [orion565] Heil PR-30 and PR-40.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-25 19:36:37 UTC
From: Tony Sokol
Topic: 7126 Message: 7132

Ah! Thanks for the idea Andrew and the rest of the guys that
responded. I do have a 55-SH and I will see what that one sounds like.
I have used the PR-30 with the Omni VII but got the same results. I
have the 8-band EQ but would like to eliminate the outboard stuff as
much as I can because I'm running out of space. Hmmmmm....I wonder if
more control could be provided with a software revision. Just a thought.

73
Tony

On 9/25/2011 11:48 AM, Andrew B. Steen wrote:
>
> Hi Ralph et al.
>
> I was using the Pro-30 straight in for some time, and the guys on 3737
> liked
> it . I don't have a lot of lows in my voice. I replaced it with a Shure 55
> series II and since the guys liked that better, I now have a pro-30
> for sale
> in original box.
>
> 73,
>
> Andrew
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>]
> On Behalf
> Of Ralph Matthews
> Sent: Sunday, September 25, 2011 7:28 AM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: RE: [orion565] Heil PR-30 and PR-40.
>
> Barry: Yes I did roll off the lows going straight to the O2. The audio
> checks I got from others said it still sounded mushy! Go figure!!
>
> Ralph, NA6D
>
> -----Original Message-----
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of Barry N1EU

> Sent: Sunday, September 25, 2011 2:49 AM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] Heil PR-30 and PR-40.
>
> On Sun, Sep 25, 2011 at 4:25 AM, Ralph Matthews <rondo47@...
> <mailto:rondo47%40surewest.net>
> <mailto:rondo47%40surewest.net> >wrote:
>
> > **
> >
> >
> > I have a really low voice and I
> > found that I had to really pump up the highs on the 8 band....the last
> > four sliders (the higher frequencies) are just about at max.
> >
>
> Did you try running Orion TX EQ at -15 to -20dB to roll off your lows?
>
> 73, Barry N1EU
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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7133. RE: [orion565] Heil PR-30 and PR-40.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-25 23:21:56 UTC
From: Ralph Matthews
Topic: 7126 Message: 7133

Gentlemen: Good stuff. Because of the wide frequency response curve on these Heil's, they absolutely do need to be tweaked when used for SSB. I remember the days when I had a Shure 444 and it was tailored for communication with a peak about 2K. BTW, Barry, I tried out your suggestion about direct input to the O2 with no external EQ, rolling off the low end as you suggested. Did not make that much difference even rolling off all the lows. My buddies told me it sounded like Mickey Mouse with large testicles!!!! Anyhow, I appreciate all the suggestions, and pick up a lot of hints by the users of this group who are way smarter than me! Have a great Sunday evening! 73,

Ralph, NA6D

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Tony Sokol
Sent: Sunday, September 25, 2011 12:37 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Heil PR-30 and PR-40.

Ah! Thanks for the idea Andrew and the rest of the guys that responded. I do have a 55-SH and I will see what that one sounds like.
I have used the PR-30 with the Omni VII but got the same results. I have the 8-band EQ but would like to eliminate the outboard stuff as much as I can because I'm running out of space. Hmmmmm....I wonder if more control could be provided with a software revision. Just a thought.

73
Tony

On 9/25/2011 11:48 AM, Andrew B. Steen wrote:
>
> Hi Ralph et al.
>
> I was using the Pro-30 straight in for some time, and the guys on 3737
> liked it . I don't have a lot of lows in my voice. I replaced it with
> a Shure 55 series II and since the guys liked that better, I now have
> a pro-30 for sale in original box.
>
> 73,
>
> Andrew
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>]
> On Behalf
> Of Ralph Matthews

> Sent: Sunday, September 25, 2011 7:28 AM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: RE: [orion565] Heil PR-30 and PR-40.
>
> Barry: Yes I did roll off the lows going straight to the O2. The audio
> checks I got from others said it still sounded mushy! Go figure!!
>
> Ralph, NA6D
>
> -----Original Message-----
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On Behalf Of Barry N1EU
> Sent: Sunday, September 25, 2011 2:49 AM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] Heil PR-30 and PR-40.
>
> On Sun, Sep 25, 2011 at 4:25 AM, Ralph Matthews <rondo47@...
> <mailto:rondo47%40surewest.net> <mailto:rondo47%40surewest.net>
> >wrote:
>
> > **
> >
> >
> > I have a really low voice and I
> > found that I had to really pump up the highs on the 8 band....the
> > last four sliders (the higher frequencies) are just about at max.
> >
>
> Did you try running Orion TX EQ at -15 to -20dB to roll off your lows?
>
> 73, Barry N1EU
>
> [Non-text portions of this message have been removed]
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Yahoo! Groups Links

7134. Re: [orion565] Heil PR-30 and PR-40.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-25 23:31:42 UTC
From: Barry N1EU
Topic: 7126 Message: 7134

On Sun, Sep 25, 2011 at 11:21 PM, Ralph Matthews <rondo47@...>wrote:

> **
>
>
> I tried out your suggestion about direct input to
> the O2 with no external EQ, rolling off the low end as you suggested. Did
> not make that much difference even rolling off all the lows. My buddies
> told
> me it sounded like Mickey Mouse with large testicles!!!!
>
What I was suggesting was that you remove the external EQ (zero all the controls) and then set the Orion TX EQ for the best bass/treble balance. THEN, fiddle with your external EQ to optimize your tx audio. In other words, don't fiddle with the external EQ until you first set the Orion TX EQ.

Barry N1EU

[Non-text portions of this message have been removed]

7135. Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-25 23:43:11 UTC
From: Bob McGraw - K4TAX
Topic: 7077 Message: 7135

The hardware MIC gain only controls the gain of the mike channel and not the LINE channel. Is the Signal Link output level set for Mike level or Line level output? The Orion Line Input requires Line level signals and mike level signals that are typically -40 dB and thus way too low for a Line Level input.

Check your output level configuration of the Signal Link.

73
Bob, K4TAX

----- Original Message -----
From: n9aw
To: orion565@yahoogroups.com
Sent: Wednesday, September 21, 2011 11:38 PM
Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

I am having this exact problem with my Orion II and a new Signalink USB. I am using the cable provided by Signalink to my Aux I/O Port (8 pin). I have tried setting the TX Audio Source to AUX, increasing the Aux Input Gain all the way to max (100), increasing the H/W Mic Gain to max, increasing front panel MIC gain to max and turning on the SP and setting it to max. There is no ALC indication and no audio out, the transmitter goes into transmit when trying to send. I would hate to think that I will have to use the front panel mic jack to get this working.

73
Jerry N9AW

--- In orion565@yahoogroups.com, "w5xj2011" <cole505@...> wrote:
>
> Hello gang, i am trying to setup my Orion I to run psk31 via a signal link USB into DM780. I have the thing working enough that the program can hear and decode sigs but when i xmit all it does is key the xmiter but there is no output. Can anyone point me in the right direction. the Orion manual is of little help or else i am looking in he wrong place.
>
> Thanks & 73,
>
> Grant / W5XJ
>

[Non-text portions of this message have been removed]

7136. Re: [orion565] Heil PR-30 and PR-40.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-26 00:23:05 UTC
From: Bob McGraw - K4TAX
Topic: 7126 Message: 7136

The best mike in the world will likely sound bad on ham radio. One is typically looking for a frequency response of about 4 KHz at most. A mike with a bountiful amount of low end will likely sound mushy on the male voice. Also one must consider the proximity effect specially with dynamic mikes. Just because a mike is reported good for one person does not mean it is equally good for another person.

There two things I've learned about mikes, (a) the mike must be correct for the artist and (b) the correct mike technique must be used. By the way (b) is very important. To confirm the point, in our church sound system we use a matched pair of Neuman mikes on the grand piano. Move the mike pair 3" one direction and the piano sounds more like glass breaking, move them back 3" and it sounds like a wonderful Yamaha concert grand. There is a "sweet spot" that works and it is no larger than a tennis ball. That's mike technique in operation.

Personally having spent some 16 years in the studio of a major recording company, frequently I've found it necessary to try 3 to 6 different mikes, brands and models on a specific artist to get the sound we wanted. And add to that, I had at my fingertips some of the most sophisticated and modern signal processing methods and equipment available.

A very successful, old and wise recording engineer once told me "audio is somewhat like crap, the more one stirs it the more it stinks". In summary: If it isn't good at the mike, it won't be good down stream.

73
Bob, K4TAX

[Non-text portions of this message have been removed]

7137. RE: [orion565] Heil PR-30 and PR-40.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-25 23:45:33 UTC
From: Ralph Matthews
Topic: 7126 Message: 7137

Got it! Will keep twiddling knobs and changing stuff till I am happy with result. Thanks!

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Sunday, September 25, 2011 4:32 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Heil PR-30 and PR-40.

On Sun, Sep 25, 2011 at 11:21 PM, Ralph Matthews <rondo47@...>wrote:

> **
>
>
> I tried out your suggestion about direct input to the O2 with no
> external EQ, rolling off the low end as you suggested. Did not make
> that much difference even rolling off all the lows. My buddies told me
> it sounded like Mickey Mouse with large testicles!!!!
>
What I was suggesting was that you remove the external EQ (zero all the controls) and then set the Orion TX EQ for the best bass/treble balance. THEN, fiddle with your external EQ to optimize your tx audio. In other words, don't fiddle with the external EQ until you first set the Orion TX EQ.

Barry N1EU

[Non-text portions of this message have been removed]

Yahoo! Groups Links

7138. Re: [orion565] Heil PR-30 and PR-40.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-26 01:16:49 UTC
From: Richard
Topic: 7126 Message: 7138

I have a very deep voice. I use the Regal mic and use processing set on 5 and no equalization. I get excellent reports. Have mic gain on 100. People tell me that this is the best that they have heard me.

C. Richard Pumphrey
Wn9ddv

NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

On Sep 25, 2011, at 10:28 AM, "Ralph Matthews" <rondo47@surewest.net> wrote:

Barry: Yes I did roll off the lows going straight to the O2. The audio checks I got from others said it still sounded mushy! Go figure!!

Ralph, NA6D

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Sunday, September 25, 2011 2:49 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Heil PR-30 and PR-40.

On Sun, Sep 25, 2011 at 4:25 AM, Ralph Matthews <rondo47@...>wrote:

> **
>
>
> I have a really low voice and I
> found that I had to really pump up the highs on the 8 band....the last
> four sliders (the higher frequencies) are just about at max.
>

Did you try running Orion TX EQ at -15 to -20dB to roll off your lows?

73, Barry N1EU

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

7140. Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-26 03:54:09 UTC
From: Jerry, N9AW
Topic: 7077 Message: 7140

Thanks Bob and everyone else with interest about this topic. BTW, my problem is with the Orion II but I left the subject line alone.

Again, the issue is NO MODULATION ON TRANSMIT while driving the radio through AUX I/O using a Signal Link USB adaptor. Receive is fine but it will not transmit digital tones. PTT works fine from the Signalink and the radio is put into transmit. TX Audio Source is set to AUX.
Here's what I did to try to fix this issue but its not resolved:
1. As suggested by PA1AP, I checked to see if there was any voltage between pin 4 and ground on the AUX I/O socket. Found there is no voltage between pin 4 (Line out) and ground or any other pin.
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My Conclusions:
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The alternative will be to use the front panel MIC jack with either of these sound card adaptors. It will be easier with the Signalink because the SLUSB to radio cable is removable. I will use an existing RJ45 cable I have and install an 8 pin mic plug on the other end for the Orion II and give it a try.

I can't think of anything else to try on the Orion II. If there are any more ideas out there I would appreciate hearing from you. As always, I appreciate all of the input I have received from the great bunch of guys on this list.

73
Jerry N9AW

----- Original Message -----
From: Bob McGraw - K4TAX
To: orion565@yahoogroups.com
Sent: Sunday, September 25, 2011 6:43 PM
Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

The hardware MIC gain only controls the gain of the mike channel and not the LINE channel. Is the Signal Link output level set for Mike level or Line level output? The Orion Line Input requires Line level signals and mike level signals that are typically -40 dB and thus way too low for a Line Level input.

Check your output level configuration of the Signal Link.

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Bob, K4TAX

----- Original Message -----
From: n9aw
To: orion565@yahoogroups.com
Sent: Wednesday, September 21, 2011 11:38 PM
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7141. RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-26 04:57:50 UTC
From: art davis
Topic: 7077 Message: 7141

Just checking to make sure you had the PTT pin wired up between the SL and the Orion. Mine didn't work without doing that because there wasn't enough signal there to trip the VOX, even with the GAINs all the way up.
The only other thing I tried that you haven't is to connect the audio out from a variable source such as your O7 to the AUX-IN. You may have to turn it up quite a bit, but at least you could get signal to flow through the AUX port. Like I said, I didn't have any success until I reached at least 1.5 v p-p going into the AUX-IN port. It sure felt good when I finally heard a signal coming through on the audio MON on the Orion.

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GL, Art

To: orion565@yahoogroups.com
From: n9aw@...
Date: Sun, 25 Sep 2011 22:54:09 -0500
Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Thanks Bob and everyone else with interest about this topic. BTW, my problem is with the Orion II but I left the subject line alone.

Again, the issue is NO MODULATION ON TRANSMIT while driving the radio through AUX I/O using a Signal Link USB adaptor. Receive is fine but it will not transmit digital tones. PTT works fine from the Signalink and the radio is put into transmit. TX Audio Source is set to AUX.

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7142. Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-26 11:08:47 UTC
From: Skip
Topic: 7077 Message: 7142

A new Word file is now in the files section showing all of the settings on both the laptop and the SignaLink.

--- In orion565@yahoogroups.com, "Skip" <ebhudgens@...> wrote:
>
> Good news - I think. The Tech from Tigertronics called late yesterday and we went through the setup. I explained that I had the rig working with HRD, DigiPan, and RMS Express with the 712 dongle, but couild not get it to work with the SignaLink. Maybe I am dense, but a few of their steps in the setup are not as clear as they could have been. That said, after about 15 minutes we had it working perfectly. I doubt that I will use HRD very much because it had too many options for my needs. I will do a little PSK31 using DigiPan and use RMS Express for WinMor ARES communications.
>
> Now to go make screen shots of all of the places we made setting changes so when it screws up or I have to reconnect it to the XP maching I will have a record of what we did. Or I can just go back to the 712 which is true plug and play.....
>
> --- In orion565@yahoogroups.com, "Skip" <ebhudgens@> wrote:
> >
> > Jerry
> >
> > I sent you their list, but here it is for everyone else:
> > Ten-Tec Orion Setup
> > ==========
> > RX Audio - The "Audio" menu determines what audio is available on pins 4 and 6, so the SignaLink's SPKR jumper will need to be set accordingly or you'll have no Rx Audio.
> >
> > MIC GAIN CONTROL - This control will have no affect on the SignaLink, so you should be adjusting the "Aux Input Gain" control instead. This will affect your power output (see below)
> >
> > AUX INPUT GAIN - Set this control at 75 to start, and turn it up higher if you still have no power out.
> >
> > TX AUDIO SOURCE - This must be set to AUX.
> >
> > TRANSMITTER - This must be set to ON, or the transmitter will be disabled.
> >
> > RF POWER - Set for 100 watts. Once things are working, you will adjust the SignaLink's TX knob for the desired power output. You can lower the RF Power if the TX knob adjustment is touchy.
> >
> > VOX - OFF
> >

> > TX FILTER BANDWIDTH - I don't think this can be set narrow enough to get you into trouble, but 2.7Khz is the recommended setting.
> >
> > KEYING LOOPS - Unless you have an amplifier connected, these should be OFF.
> >
> >
> >
> >
> > --- In orion565@yahoogroups.com, "Jerry, N9AW" <n9aw@> wrote:
> > >
> > > I will be very interested to hear how the tests go using the Tigertronics list. If you can I would appreciate seeing the list - my email is n9aw at sbcglobal dot net.
> > >
> > > I will also be double checking the Tigertronics supplied cable tonight.
> > >
> > > Finally, I have 2 alternatives I can use to check this a bit more. I have an Omni 7 so can check the Signalink on there (uses a different cable to a 5 pin din). I also have a TenTec 712 interface which I may be able to check with the Orion II but TT's instructions are confusing. The DIN plug on the TT712 Adaptor is 5 pin and they say to use it with the Orion II plug it into the AUX IO port (which is 8 pin DIN). I've never used a 5 pin DIN connector into a 8 pin DIN jack - would it even fit?
> > >
> > > 73
> > > Jerry N9AW
> > >
> > > .
> > > ----- Original Message -----
> > > From: Skip
> > > To: orion565@yahoogroups.com
> > > Sent: Thursday, September 22, 2011 7:17 AM
> > > Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit
> > >
> > >
> > >
> > > Add one more to the growing list. I have a new Orion II and am having the same problems. I have the rig working with both DigiPan and RMS Express to run PSK31 and WinMor using the Ten Tec #721 USB sound card, but can not get it to work with the SignaLink. In HRD sound card setup it shows the card with wave on the send, but is blank on recieve where it should show line in.
> > >
> > > I have a long email from Tigertronics that lists some things to try, and will be working on this today. If that fails, I will call Jason at Tigertronics to discuss further and possibly return the unit.
> > >
> > > Also, for those of you who want to run WinMor for your local ARES group, there is a new version of RMS Express coming out that will interface with all Ten Tec radios. The current version did not list Ten Tec as a selection. I got the test version from one of the developers last night, and it works great with the Orion.
> > >

> > > Ed
> > >
> > > --- In orion565@yahoogroups.com, art davis <n4uc@> wrote:
> > > >
> > > >
> > > > This is getting fishy! Three of us (any more?) having the same exact problem? I do have the jumpers configured to provide the higher output level, although on paper it shouldn't need it. But I'm starting to wonder if there isn't something we're missing here. I opened my Orion back up this weekend and did some more signal tracing. I was able to confirm signal all the way to the point where there were other functions that shouldn't be working but that are, except for AUX-IN. I look at the audio going in on my o-scope and it looks normal, about 1 V p-p, with the gain at 100 and - nothing!
> > > >
> > > > I have a couple of friends here in town with Orions and sounds like I need to make a visit to them with my SL and cable and try them. Right now I'm starting to have trouble blaming the radio.
> > > >
> > > > to be continued...
> > > >
> > > > To: orion565@yahoogroups.com
> > > > From: n9aw@
> > > > Date: Wed, 21 Sep 2011 23:42:26 -0500
> > > > Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit
> > > >
> > > >
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> > > >
> > > >
> > > > To Grant and others. I do notice on page 11 of the Signalink Troubleshooting section it talks about "Special Jumpers" to install at JP3 which will dramatically increase the Signalink's transmit audio level. Perhaps this is work a shot.
> > > >
> > > >
> > > >
> > > > 73
> > > >
> > > > Jerry N9AW
> > > >
> > > >
> > > >
> > > > ----- Original Message -----
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> > > > From: n9aw
> > > >
> > > > To: orion565@yahoogroups.com
> > > >
> > > > Sent: Wednesday, September 21, 2011 11:38 PM
> > > >
> > > > Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit
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> > > > [Non-text portions of this message have been removed]
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7143. Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-26 12:18:24 UTC
From: Jerry, N9AW
Topic: 7077 Message: 7143

Hi Art,
Yes, the PTT wire is part of the cable provided by Signalink. The PTT worked, PTT showed on the SLUSB and the radio went into transmit, just no modulation.
I guess I'm confused by your other suggestion. I am not sure how or even why I would feed audio out of my Omni 7 into the AUX I/O of my Orion II. For one, the problem I am having is not receive. I can receive just fine with the Signalink on the Orion II, I just can't transmit. I did try setting JP3 on the SLUSB but that didn't do anything either. Setting JP3 is suppose to increase the audio output of the Signalink. I believe it does but it didn't have any effect on the problem.

Thanks Art and 73
Jerry N9AW

----- Original Message -----
From: "art davis" <n4uc@...>
To: <orion565@yahoogroups.com>
Sent: Sunday, September 25, 2011 11:57 PM
Subject: RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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> To: orion565@yahoogroups.com
> From: n9aw@...
> Date: Sun, 25 Sep 2011 22:54:09 -0500

> Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need
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> Jerry N9AW
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> Sent: Sunday, September 25, 2011 6:43 PM
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> --- In orion565@yahoogroups.com, "w5xj2011" <cole505@...> wrote:
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> > Hello gang, i am trying to setup my Orion I to run psk31 via a signal
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> > Thanks & 73,
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> > Grant / W5XJ
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> Yahoo! Groups Links
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7144. Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-26 12:34:59 UTC
From: Bob McGraw - K4TAX
Topic: 7077 Message: 7144

The Signal Link and the 712 interface both provides a hard PTT command to the radio. It should not be necessary to use VOX with either of the interfaces. Seems that others have had issues in this area. Jumper settings for the Signal Link must be configured accordingly for this to take place. The 712 is a plug-n-play interface and no jumper or configuration is needed.

The 5 pin DIN connector on the 712 does correctly plug into the AUX 8 PIN connector and is properly configured for signals and levels.

73
Bob, K4TAX

----- Original Message -----
From: Jerry, N9AW
To: orion565@yahoogroups.com
Sent: Monday, September 26, 2011 7:18 AM
Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Hi Art,
Yes, the PTT wire is part of the cable provided by Signalink. The PTT worked, PTT showed on the SLUSB and the radio went into transmit, just no modulation.
I guess I'm confused by your other suggestion. I am not sure how or even why I would feed audio out of my Omni 7 into the AUX I/O of my Orion II. For one, the problem I am having is not receive. I can receive just fine with the Signalink on the Orion II, I just can't transmit. I did try setting JP3 on the SLUSB but that didn't do anything either. Setting JP3 is suppose to increase the audio output of the Signalink. I believe it does but it didn't have any effect on the problem.

Thanks Art and 73
Jerry N9AW

----- Original Message -----
From: "art davis" <n4uc@...>
To: <orion565@yahoogroups.com>
Sent: Sunday, September 25, 2011 11:57 PM
Subject: RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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> signal there to trip the VOX, even with the GAINs all the way up.

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> from a variable source such as your O7 to the AUX-IN. You may have to turn
> it up quite a bit, but at least you could get signal to flow through the
> AUX port. Like I said, I didn't have any success until I reached at least
> 1.5 v p-p going into the AUX-IN port. It sure felt good when I finally
> heard a signal coming through on the audio MON on the Orion.
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> turn the audio level down quite a bit to get to the point where the power
> output just started to drop and the ALC was off most of the time. There's
> so much audio there now I don't know how I've been missing it all these
> months.
>
> GL, Art
>
> To: orion565@yahoogroups.com
> From: n9aw@...
> Date: Sun, 25 Sep 2011 22:54:09 -0500
> Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need
> config help!!! Receives but no xmit
>
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> the radio is put into transmit. TX Audio Source is set to AUX.
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> between pin 4 and ground on the AUX I/O socket. Found there is no voltage
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> jumper (JP3) in the Signalink. This had no effect. With this jumper
> installed though I can hear weak tones in a monitoring receiver in the
> shack where I could not without the jumper set. However, there still is
> NO ALC indication. AUX Input Gain was varied from 5 to 100 to try to
> reach a level where ALC would be present.
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> 3. I checked the cable supplied by Signalink from the RJ45 to the pins on
> the jumper socket in the Signalink. All looked fine.
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> 4. I checked the levels for the playback and recording sounds in Windows.
> No setting I made from min. to max made any difference.
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> 6. I then substituted the Signalink for a TenTec 712 Adaptor which is
> known to be good (its truly plug and play on my TT Argo V). As John Henry
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> into the PC, let the driver install, plugged it into the Omni VII and away
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> the CQWW RTTY contest this weekend.
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> would work with the Omni VII. It did, and again it was totally plug and
> play. It was so easy I only literally had to plug it in and start using
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> My Conclusions:

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> 1. Both of my adaptors work fine (TT 712 and Signalink USB) as proven by
> operation with the Omni VII.
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> by actual operation with the Omni VII.
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> 3. The jumpers I installed in the SL-USB are fine since they work on the
> Omni VII. I also checked these with a VOM when trying to get the O-2
> working.
>
> 4. My main conclusion is that there is something wrong with the AUX I/O
> port on my Orion II. It probably has been bad since I bought it new about
> 3 yrs ago because this is the first time I have tried to use the AUX I/O
> port.
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> Alternative
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> The alternative will be to use the front panel MIC jack with either of
> these sound card adaptors. It will be easier with the Signalink because
> the SLUSB to radio cable is removable. I will use an existing RJ45 cable
> I have and install an 8 pin mic plug on the other end for the Orion II and
> give it a try.
>
>
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> I can't think of anything else to try on the Orion II. If there are any
> more ideas out there I would appreciate hearing from you. As always, I
> appreciate all of the input I have received from the great bunch of guys
> on this list.
>
>
>
> 73
>
> Jerry N9AW
>
>
>
> ----- Original Message -----
>
> From: Bob McGraw - K4TAX
>
> To: orion565@yahoogroups.com
>
> Sent: Sunday, September 25, 2011 6:43 PM
>
> Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need

> config help!!! Receives but no xmit
>
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> The hardware MIC gain only controls the gain of the mike channel and not
> the LINE channel. Is the Signal Link output level set for Mike level or
> Line level output? The Orion Line Input requires Line level signals and
> mike level signals that are typically -40 dB and thus way too low for a
> Line Level input.
>
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> Check your output level configuration of the Signal Link.
>
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> Bob, K4TAX
>
>
>
> ----- Original Message -----
>
> From: n9aw
>
> To: orion565@yahoogroups.com
>
> Sent: Wednesday, September 21, 2011 11:38 PM
>
> Subject: [orion565] Re: Orion I with signal link USB for PSK31 need
> config help!!! Receives but no xmit
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> I am having this exact problem with my Orion II and a new Signalink USB. I
> am using the cable provided by Signalink to my Aux I/O Port (8 pin). I
> have tried setting the TX Audio Source to AUX, increasing the Aux Input
> Gain all the way to max (100), increasing the H/W Mic Gain to max,
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> have to use the front panel mic jack to get this working.
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7145. RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-26 14:02:56 UTC
From: art davis
Topic: 7077 Message: 7145

No no. I was just offering a suggestion on where you could find an alternate source of audio to feed into your AUX-IN port besides the SL. One that would give you a higher amplitude signal than the marginal output of the SL. In my case I took the audio from the headphone output of a Drake R-4B receiver and fed it into the AUX-IN.

Do you have a scope that you can use to look at the level of audio you're putting into the Orion?

To: orion565@yahoogroups.com
From: RMcGraw@...
Date: Mon, 26 Sep 2011 07:34:59 -0500
Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

The Signal Link and the 712 interface both provides a hard PTT command to the radio. It should not be necessary to use VOX with either of the interfaces. Seems that others have had issues in this area. Jumper settings for the Signal Link must be configured accordingly for this to take place. The 712 is a plug-n-play interface and no jumper or configuration is needed.

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From: Jerry, N9AW

To: orion565@yahoogroups.com

Sent: Monday, September 26, 2011 7:18 AM

Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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Thanks Art and 73

Jerry N9AW

----- Original Message -----

From: "art davis" <n4uc@hotmail.com>

To: <orion565@yahoogroups.com>

Sent: Sunday, September 25, 2011 11:57 PM

Subject: RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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> From: n9aw@...

> Date: Sun, 25 Sep 2011 22:54:09 -0500

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> Thanks Bob and everyone else with interest about this topic. BTW, my

> problem is with the Orion II but I left the subject line alone.

>

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> through AUX I/O using a Signal Link USB adaptor. Receive is fine but it

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> Jerry N9AW

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> ----- Original Message -----

>

> From: Bob McGraw - K4TAX

>

> To: orion565@yahoogroups.com

>

> Sent: Sunday, September 25, 2011 6:43 PM

>

> Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need

> config help!!! Receives but no xmit

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> Bob, K4TAX

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> ----- Original Message -----

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> From: n9aw

>

> To: orion565@yahoogroups.com

>

> Sent: Wednesday, September 21, 2011 11:38 PM

>

> Subject: [orion565] Re: Orion I with signal link USB for PSK31 need

> config help!!! Receives but no xmit

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> Yahoo! Groups Links

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7146. Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-27 03:26:00 UTC
From: Jerry, N9AW
Topic: 7077 Message: 7146

Thanks Skip, I will check it out.

73
Jerry N9AW

----- Original Message -----
From: Skip
To: orion565@yahoogroups.com
Sent: Monday, September 26, 2011 6:08 AM
Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

A new Word file is now in the files section showing all of the settings on both the laptop and the SignaLink.

--- In orion565@yahoogroups.com, "Skip" <ebhudgens@...> wrote:
>
> Good news - I think. The Tech from Tigertronics called late yesterday and we went through the setup. I explained that I had the rig working with HRD, DigiPan, and RMS Express with the 712 dongle, but couild not get it to work with the SignaLink. Maybe I am dense, but a few of their steps in the setup are not as clear as they could have been. That said, after about 15 minutes we had it working perfectly. I doubt that I will use HRD very much because it had too many options for my needs. I will do a little PSK31 using DigiPan and use RMS Express for WinMor ARES communications.
>
> Now to go make screen shots of all of the places we made setting changes so when it screws up or I have to reconnect it to the XP maching I will have a record of what we did. Or I can just go back to the 712 which is true plug and play.....
>
> --- In orion565@yahoogroups.com, "Skip" <ebhudgens@> wrote:
> >
> > Jerry
> >
> > I sent you their list, but here it is for everyone else:
> > Ten-Tec Orion Setup
> > ==========
> > RX Audio - The "Audio" menu determines what audio is available on pins 4 and 6, so the SignaLink's SPKR jumper will need to be set accordingly or you'll have no Rx Audio.
> >
> > MIC GAIN CONTROL - This control will have no affect on the SignaLink, so you should be adjusting the "Aux Input Gain" control instead. This will affect your power output (see below)
> >
> > AUX INPUT GAIN - Set this control at 75 to start, and turn it up higher if you still have no power out.

> >
> > TX AUDIO SOURCE - This must be set to AUX.
> >
> > TRANSMITTER - This must be set to ON, or the transmitter will be disabled.
> >
> > RF POWER - Set for 100 watts. Once things are working, you will adjust the SignaLink's TX knob for the desired power output. You can lower the RF Power if the TX knob adjustment is touchy.
> >
> > VOX - OFF
> >
> > TX FILTER BANDWIDTH - I don't think this can be set narrow enough to get you into trouble, but 2.7Khz is the recommended setting.
> >
> > KEYING LOOPS - Unless you have an amplifier connected, these should be OFF.
> >
> >
> >
> >
> > --- In orion565@yahoogroups.com, "Jerry, N9AW" <n9aw@> wrote:
> > >
> > > I will be very interested to hear how the tests go using the Tigertronics list. If you can I would appreciate seeing the list - my email is n9aw at sbcglobal dot net.
> > >
> > > I will also be double checking the Tigertronics supplied cable tonight.
> > >
> > > Finally, I have 2 alternatives I can use to check this a bit more. I have an Omni 7 so can check the Signalink on there (uses a different cable to a 5 pin din). I also have a TenTec 712 interface which I may be able to check with the Orion II but TT's instructions are confusing. The DIN plug on the TT712 Adaptor is 5 pin and they say to use it with the Orion II plug it into the AUX IO port (which is 8 pin DIN). I've never used a 5 pin DIN connector into a 8 pin DIN jack - would it even fit?
> > >
> > > 73
> > > Jerry N9AW
> > >
> > > .
> > > ----- Original Message -----
> > > From: Skip
> > > To: orion565@yahoogroups.com
> > > Sent: Thursday, September 22, 2011 7:17 AM
> > > Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit
> > >
> > >
> > >
> > > Add one more to the growing list. I have a new Orion II and am having the same problems. I have the rig working with both DigiPan and RMS Express to run PSK31 and WinMor using the Ten Tec #721 USB sound card, but can not get it to work with the SignaLink. In HRD sound card setup it shows the card with wave on the send, but is blank on recieve where

it should show line in.
> > >
> > > I have a long email from Tigertronics that lists some things to try, and will be working on this today. If that fails, I will call Jason at Tigertronics to discuss further and possibly return the unit.
> > >
> > > Also, for those of you who want to run WinMor for your local ARES group, there is a new version of RMS Express coming out that will interface with all Ten Tec radios. The current version did not list Ten Tec as a selection. I got the test version from one of the developers last night, and it works great with the Orion.
> > >
> > > Ed
> > >
> > > --- In orion565@yahoogroups.com, art davis <n4uc@> wrote:
> > > >
> > > >
> > > > This is getting fishy! Three of us (any more?) having the same exact problem? I do have the jumpers configured to provide the higher output level, although on paper it shouldn't need it. But I'm starting to wonder if there isn't something we're missing here. I opened my Orion back up this weekend and did some more signal tracing. I was able to confirm signal all the way to the point where there were other functions that shouldn't be working but that are, except for AUX-IN. I look at the audio going in on my o-scope and it looks normal, about 1 V p-p, with the gain at 100 and - nothing!
> > > >
> > > > I have a couple of friends here in town with Orions and sounds like I need to make a visit to them with my SL and cable and try them. Right now I'm starting to have trouble blaming the radio.
> > > >
> > > > to be continued...
> > > >
> > > > To: orion565@yahoogroups.com
> > > > From: n9aw@
> > > > Date: Wed, 21 Sep 2011 23:42:26 -0500
> > > > Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit
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> > > > To Grant and others. I do notice on page 11 of the Signalink Troubleshooting section it talks about "Special Jumpers" to install at JP3 which will dramatically increase the Signalink's transmit audio level. Perhaps this is work a shot.
> > > >
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> > > > 73
> > > >
> > > > Jerry N9AW
> > > >
> > > >
> > > >
> > > > ----- Original Message -----
> > > >
> > > > From: n9aw
> > > >
> > > > To: orion565@yahoogroups.com
> > > >
> > > > Sent: Wednesday, September 21, 2011 11:38 PM
> > > >
> > > > Subject: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit
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> > > > I am having this exact problem with my Orion II and a new Signalink USB. I am using the cable provided by Signalink to my Aux I/O Port (8 pin). I have tried setting the TX Audio Source to AUX, increasing the Aux Input Gain all the way to max (100), increasing the H/W Mic Gain to max, increasing front panel MIC gain to max and turning on the SP and setting it to max. There is no ALC indication and no audio out, the transmitter goes into transmit when trying to send. I would hate to think that I will have to use the front panel mic jack to get this working.
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> > > >
> > > > 73
> > > >
> > > > Jerry N9AW

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> > > >
> > > > --- In orion565@yahoogroups.com, "w5xj2011" <cole505@> wrote:
> > > >
> > > > > >
> > > > >
> > > > > Hello gang, i am trying to setup my Orion I to run psk31 via a signal link USB into DM780. I have the thing working enough that the program can hear and decode sigs but when i xmit all it does is key the xmiter but there is no output. Can anyone point me in the right direction. the Orion manual is of little help or else i am looking in he wrong place.
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> > > > > Thanks & 73,
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> > > > >
> > > > > Grant / W5XJ
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7147. Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-27 03:38:54 UTC
From: Jerry, N9AW
Topic: 7077 Message: 7147

Yes sir, all that you reported below is absolutely correct. If you set the jumpers according to Signalink instructions it triggers transmit on the radio just fine and there is no need to use VOX.

The TenTec 712 is terrific. Genuine plug and play. Just establish the settings in the instructions for your Ten Tec model and away you go. And what's great is that the Argo V is setup for digital and there is absolutely nothing to change in the radio. And as you stated there are no adjustments you can make to the TT 712. So on the Argo V you really plug and play. I was so pleased with that.

And, much to my amazement, the 5 pin DIN fits perfectly into an 8 pin DIN socket. I had never thought about that before so Ten Tec was sure thinking. That works great. And many thanks to John Henry of Ten Tec for pointing that out to me.

Thanks again Bob for all your help, not only with my little digital problem, but for all that you do here on the reflector. I can see you're a big help to many people.

73
Jerry N9AW

----- Original Message -----
From: Bob McGraw - K4TAX
To: orion565@yahoogroups.com
Sent: Monday, September 26, 2011 7:34 AM
Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

The Signal Link and the 712 interface both provides a hard PTT command to the radio. It should not be necessary to use VOX with either of the interfaces. Seems that others have had issues in this area. Jumper settings for the Signal Link must be configured accordingly for this to take place. The 712 is a plug-n-play interface and no jumper or configuration is needed.

The 5 pin DIN connector on the 712 does correctly plug into the AUX 8 PIN connector and is properly configured for signals and levels.

73
Bob, K4TAX

----- Original Message -----
From: Jerry, N9AW
To: orion565@yahoogroups.com
Sent: Monday, September 26, 2011 7:18 AM
Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Hi Art,
Yes, the PTT wire is part of the cable provided by Signalink. The PTT worked, PTT showed on the SLUSB and the radio went into transmit, just no modulation.
I guess I'm confused by your other suggestion. I am not sure how or even why I would feed audio out of my Omni 7 into the AUX I/O of my Orion II. For one, the problem I am having is not receive. I can receive just fine with the Signalink on the Orion II, I just can't transmit. I did try setting JP3 on the SLUSB but that didn't do anything either. Setting JP3 is suppose to increase the audio output of the Signalink. I believe it does but it didn't have any effect on the problem.

Thanks Art and 73
Jerry N9AW

----- Original Message -----
From: "art davis" <n4uc@...>
To: <orion565@yahoogroups.com>
Sent: Sunday, September 25, 2011 11:57 PM
Subject: RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

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> Just checking to make sure you had the PTT pin wired up between the SL and
> the Orion. Mine didn't work without doing that because there wasn't enough
> signal there to trip the VOX, even with the GAINs all the way up.
> The only other thing I tried that you haven't is to connect the audio out
> from a variable source such as your O7 to the AUX-IN. You may have to turn
> it up quite a bit, but at least you could get signal to flow through the
> AUX port. Like I said, I didn't have any success until I reached at least
> 1.5 v p-p going into the AUX-IN port. It sure felt good when I finally
> heard a signal coming through on the audio MON on the Orion.
>
> As far as mine goes, it worked like a charm all weekend. I even had to
> turn the audio level down quite a bit to get to the point where the power
> output just started to drop and the ALC was off most of the time. There's
> so much audio there now I don't know how I've been missing it all these
> months.
>
> GL, Art
>
> To: orion565@yahoogroups.com
> From: n9aw@...
> Date: Sun, 25 Sep 2011 22:54:09 -0500
> Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need
> config help!!! Receives but no xmit
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> problem is with the Orion II but I left the subject line alone.
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> Again, the issue is NO MODULATION ON TRANSMIT while driving the radio
> through AUX I/O using a Signal Link USB adaptor. Receive is fine but it
> will not transmit digital tones. PTT works fine from the Signalink and
> the radio is put into transmit. TX Audio Source is set to AUX.
>
> Here's what I did to try to fix this issue but its not resolved:
>
> 1. As suggested by PA1AP, I checked to see if there was any voltage
> between pin 4 and ground on the AUX I/O socket. Found there is no voltage
> between pin 4 (Line out) and ground or any other pin.
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> 2. Signalink can increase the audio output to the radio by setting a
> jumper (JP3) in the Signalink. This had no effect. With this jumper
> installed though I can hear weak tones in a monitoring receiver in the
> shack where I could not without the jumper set. However, there still is
> NO ALC indication. AUX Input Gain was varied from 5 to 100 to try to
> reach a level where ALC would be present.
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> 3. I checked the cable supplied by Signalink from the RJ45 to the pins on
> the jumper socket in the Signalink. All looked fine.
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> 4. I checked the levels for the playback and recording sounds in Windows.
> No setting I made from min. to max made any difference.

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> 6. I then substituted the Signalink for a TenTec 712 Adaptor which is
> known to be good (its truly plug and play on my TT Argo V). As John Henry
> recommended the 5 pin DIN from the 712 fits fine in the 8 pin AUX I/O port
> of the Orion II. Using this adaptor produced all of the same results
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> the CQWW RTTY contest this weekend.
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> 2. Near the end of the CQWW RTTY contest I wanted to see if the Signalink
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> 1. Both of my adaptors work fine (TT 712 and Signalink USB) as proven by
> operation with the Omni VII.
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> 2. Both cables for my SL-USB are fine. One checked out by VOM, the other
> by actual operation with the Omni VII.
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> 3. The jumpers I installed in the SL-USB are fine since they work on the
> Omni VII. I also checked these with a VOM when trying to get the O-2
> working.
>
> 4. My main conclusion is that there is something wrong with the AUX I/O
> port on my Orion II. It probably has been bad since I bought it new about
> 3 yrs ago because this is the first time I have tried to use the AUX I/O
> port.
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> Alternative
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> The alternative will be to use the front panel MIC jack with either of
> these sound card adaptors. It will be easier with the Signalink because
> the SLUSB to radio cable is removable. I will use an existing RJ45 cable
> I have and install an 8 pin mic plug on the other end for the Orion II and
> give it a try.
>

>
>
> I can't think of anything else to try on the Orion II. If there are any
> more ideas out there I would appreciate hearing from you. As always, I
> appreciate all of the input I have received from the great bunch of guys
> on this list.
>
>
>
> 73
>
> Jerry N9AW
>
>
>
> ----- Original Message -----
>
> From: Bob McGraw - K4TAX
>
> To: orion565@yahoogroups.com
>
> Sent: Sunday, September 25, 2011 6:43 PM
>
> Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need
> config help!!! Receives but no xmit
>
>
>
> The hardware MIC gain only controls the gain of the mike channel and not
> the LINE channel. Is the Signal Link output level set for Mike level or
> Line level output? The Orion Line Input requires Line level signals and
> mike level signals that are typically -40 dB and thus way too low for a
> Line Level input.
>
>
>
> Check your output level configuration of the Signal Link.
>
>
>
> 73
>
> Bob, K4TAX
>
>
>
> ----- Original Message -----
>
> From: n9aw
>

> To: orion565@yahoogroups.com
>
> Sent: Wednesday, September 21, 2011 11:38 PM
>
> Subject: [orion565] Re: Orion I with signal link USB for PSK31 need
> config help!!! Receives but no xmit
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> Jerry N9AW
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> link USB into DM780. I have the thing working enough that the program can
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> manual is of little help or else i am looking in he wrong place.
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7148. Re: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-27 03:39:32 UTC
From: Jerry, N9AW
Topic: 7077 Message: 7148

Now I understand. Thank you Art.

Jerry N9AW

----- Original Message -----
From: "art davis" <n4uc@...>
To: <orion565@yahoogroups.com>
Sent: Monday, September 26, 2011 9:02 AM
Subject: RE: [orion565] Re: Orion I with signal link USB for PSK31 need config help!!! Receives but no xmit

> No no. I was just offering a suggestion on where you could find an
> alternate source of audio to feed into your AUX-IN port besides the SL.
> One that would give you a higher amplitude signal than the marginal output
> of the SL. In my case I took the audio from the headphone output of a
> Drake R-4B receiver and fed it into the AUX-IN.
>
> Do you have a scope that you can use to look at the level of audio you're
> putting into the Orion?
>
> To: orion565@yahoogroups.com
> From: RMcGraw@...
> Date: Mon, 26 Sep 2011 07:34:59 -0500
> Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need
> config help!!! Receives but no xmit
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> From: Jerry, N9AW
>
> To: orion565@yahoogroups.com
>
> Sent: Monday, September 26, 2011 7:18 AM
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> Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need
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> ----- Original Message -----
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> From: "art davis" <n4uc@...>
>
> To: <orion565@yahoogroups.com>
>
> Sent: Sunday, September 25, 2011 11:57 PM
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> Subject: RE: [orion565] Re: Orion I with signal link USB for PSK31 need
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> > Sent: Sunday, September 25, 2011 6:43 PM
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>
> > Subject: Re: [orion565] Re: Orion I with signal link USB for PSK31 need
>
> > config help!!! Receives but no xmit
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>
> > The hardware MIC gain only controls the gain of the mike channel and
> not
>
> > the LINE channel. Is the Signal Link output level set for Mike level or
>
> > Line level output? The Orion Line Input requires Line level signals and
>
> > mike level signals that are typically -40 dB and thus way too low for a
>
> > Line Level input.
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>
> > Check your output level configuration of the Signal Link.
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> > 73
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> > Bob, K4TAX
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> > ----- Original Message -----
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>
> > From: n9aw
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>
> > To: orion565@yahoogroups.com
>
> >
>
> > Sent: Wednesday, September 21, 2011 11:38 PM
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>
> > Subject: [orion565] Re: Orion I with signal link USB for PSK31 need
>
> > config help!!! Receives but no xmit
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>
> > I am having this exact problem with my Orion II and a new Signalink
> USB. I
>
> > am using the cable provided by Signalink to my Aux I/O Port (8 pin). I
>
> > have tried setting the TX Audio Source to AUX, increasing the Aux Input
>
> > Gain all the way to max (100), increasing the H/W Mic Gain to max,
>

> > increasing front panel MIC gain to max and turning on the SP and
> setting
>
> > it to max. There is no ALC indication and no audio out, the transmitter
>
> > goes into transmit when trying to send. I would hate to think that I
> will
>
> > have to use the front panel mic jack to get this working.
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> > 73
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> > Jerry N9AW
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> > --- In orion565@yahoogroups.com, "w5xj2011" <cole505@...> wrote:
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> >
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> > >
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>
> > > Hello gang, i am trying to setup my Orion I to run psk31 via a signal
>
> > link USB into DM780. I have the thing working enough that the program
> can
>
> > hear and decode sigs but when i xmit all it does is key the xmiter but
>
> > there is no output. Can anyone point me in the right direction. the
> Orion
>
> > manual is of little help or else i am looking in he wrong place.
>
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> > > Thanks & 73,
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> > > Grant / W5XJ
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> > Yahoo! Groups Links
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> Yahoo! Groups Links
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7149. Connect Palstar AT-Auto and Computer to Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-29 02:24:54 UTC
From: ko0q_gary
Topic: 7149 Message: 7149

I'm trying to figure out how I can run both my Palstar AT-Auto tuner and my DX4WIN computer logging software into the Orion II. The Palstar connects directly to the RS2332 port on the Orion II to get frequency data.

The DX4WIN computer program will like most other logging programs control the Orion II using the same RS232 port.

I tried a "Y" cable as specified by Palstar but it didn't work - it just gets transmit data from the Orion and ground. It isn't able to send queries or other requests for info since you can't connect the receive in the "Y" cable as it would interfere with DX4WIN.

The only option that I can find that could possibly work to share the data is a MicroHam Microkeyer II, but at $500 I'll pass on it for now. I could put the Palstar into "Vintage" mode, but then it wouldn't follow the frequency and I'd have to tune it up each time I made a change.

Any ideas?

Gary KOØQ

7150. RX366; new sub receiver*

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-29 09:02:31 UTC
From: Mark
Topic: 7150 Message: 7150

http://lists.contesting.com/_tentec/2011-09/msg00428.html

73 Mark, PA5MW
*yes want one

7151. Re: [orion565] Connect Palstar AT-Auto and Computer to Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-29 10:58:13 UTC
From: John Huffman
Topic: 7149 Message: 7151

A virtual com port might do the trick, like VSP Manager. Also, the Yahoo Palstar AT-Auto group may be the place to find the answer.

Good luck,

73 de K1ESE
John

On Wed, 28 Sep 2011 22:24:54 -0400, ko0q_gary <gstrongx@...> wrote:

> I'm trying to figure out how I can run both my Palstar AT-Auto tuner
> and my DX4WIN computer logging software into the Orion II. The Palstar
> connects directly to the RS2332 port on the Orion II to get frequency
> data.
>
> The DX4WIN computer program will like most other logging programs
> control the Orion II using the same RS232 port.
>
> I tried a "Y" cable as specified by Palstar but it didn't work - it just
> gets transmit data from the Orion and ground. It isn't able to send
> queries or other requests for info since you can't connect the receive
> in the "Y" cable as it would interfere with DX4WIN.
>
> The only option that I can find that could possibly work to share the
> data is a MicroHam Microkeyer II, but at $500 I'll pass on it for now.
> I could put the Palstar into "Vintage" mode, but then it wouldn't follow
> the frequency and I'd have to tune it up each time I made a change.
>
> Any ideas?
>
> Gary KO?Q
>

7152. AT tuner loses setting

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-29 16:37:44 UTC
From: storygene
Topic: 7152 Message: 7152

I can AT auto-tune a frequency fine. If I switch bands and then come right back to the band I was on, the tuned setting is lost. Is this something I am doing wrong? Perhaps an internal battery backup is not working?

Gene / K7TXO

7153. RE: [orion565] AT tuner loses setting

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-29 17:24:55 UTC
From: John T. Fleming
Topic: 7152 Message: 7153

Gene,

The radio is operating as designed. There are no memories in the standard AT version tuners.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of storygene
Sent: Thursday, September 29, 2011 12:38 PM
To: orion565@yahoogroups.com
Subject: [orion565] AT tuner loses setting

I can AT auto-tune a frequency fine. If I switch bands and then come right back to the band I was on, the tuned setting is lost. Is this something I am doing wrong? Perhaps an internal battery backup is not working?

Gene / K7TXO

[Non-text portions of this message have been removed]

7154. Re: AT tuner loses setting

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-30 02:56:20 UTC
From: storygene
Topic: 7152 Message: 7154

Ahh! Ok, thank you John. I can easily work with that.

New to Orion 565 ownership. Everything else works as expected except for the quality of reception. It is way, WAY better than my expectations. In a word:

WOW

CW keying is marvelous. I'll have to make voice contact with someone to get a good on the air report and likely will need to tweak the settings a bit. SSB testing I have done so far into my dummy load while listening on another receiver, the range of audio control is magnificent.

Anyway, thanks for the answer John. This is truly an amazing radio. My only regret is having taken so long to get my hands on one.

Gene / K7TXO

--- In orion565@yahoogroups.com, "John T. Fleming" <john@...> wrote:
>
> Gene,
>
>
>
> The radio is operating as designed. There are no memories in the standard AT
> version tuners.
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>
> 73,
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> John
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>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of storygene
> Sent: Thursday, September 29, 2011 12:38 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] AT tuner loses setting
>
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>
> I can AT auto-tune a frequency fine. If I switch bands and then come right
> back to the band I was on, the tuned setting is lost. Is this something I am

> doing wrong? Perhaps an internal battery backup is not working?
>
> Gene / K7TXO
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> [Non-text portions of this message have been removed]
>

7155. question about amp and radio compatability

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-30 15:47:51 UTC
From: aztarheel
Topic: 7155 Message: 7155

I just purchased a Orion II and I have a Ameritron AL80B amp. Are the two compatible? do I need a external relay box between radio and amp?
will the Heil mike with HC-5 work best (I use a BM 10 headset)or should I invest in a TT mike?
any suggestions appreciated. thanks from a newbie to TT radios.

Ruby KF4NI/7

7156. Re: question about amp and radio compatability

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-30 16:49:03 UTC
From: William Wallace
Topic: 7155 Message: 7156

Ruby,

I can't provide any response with respect to your amp question as I don't have the same amp (mine is a ALS-600). But you should have no problem using the Heil mike with HC-5 element. As to which is the best to use, no need to invest in Ten-Tec mike even though their mike is made by Heil also. I use a Heil Proset Elite with HC-6 element. It works very well after I made some audio adjustments on my Orion II. I have received several unsolicited audio reports indicating how natural I sound while using SSP phone.

Good luck with your Orion II, you're going to love it (;-)

Bill Wallace -- K8WAW

7157. Re: question about amp and radio compatability

Yahoo group: orion565 (2009 — 2013)
Date: 2011-09-30 18:47:18 UTC
From: rons_pda
Topic: 7155 Message: 7157

Ruby, I can't give you any advice on interfacing the Orion II to the AL-80B but I would think it would be pretty straightforward. Maybe give Ten Tec a call and talk to one of the techs.

I did want to say though, what a great combo! I have an AL-80B and it's a great amp. I think you're going to like it. Hope to have an Orion II in the near future in my shack. Enjoy...

73, Ron NR8O

7158. Re: question about amp and radio compatability

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-01 17:44:03 UTC
From: floydsense
Topic: 7155 Message: 7158

Hi Ruby. Page 38 of my Orion II Operator's Manual says that the external AMP KEY lines should not have more than +100V applied nor should the current to be switched be more than 250 ma. They go on to say that older Collins, Drake, Heathkit have more than 100V on the key line. Just about any amp made in the past 30 years or so will have a small voltage on the key line (12V or so?) and the current draw will be below the 250ma limit. For example, the AL-80B key line is at 12VDC and when keyed the current that flows is only 100ma. The Orion II handles that easily.

There's absolutely NOTHING to be gained by using an external "relay box" in this case. For any amp you'd ever want to use, you can easily check to see if the voltage and current are within the O2 limits. Using a voltmeter, measure the voltage on the amp's key line to ground. Then using a milliameter, short the key line to ground and observe the current reading. If both readings are within the limits, you're good to go.

From reading dozens of forums over the past few years, I'd say that this is probably the most asked question in all of amateur radio! While there are probably many current transceivers that might have trouble switching up to 100V on the amplifier key line, the O2 was done "right" in this respect.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "aztarheel" <kf4ni@...> wrote:
>
> I just purchased a Orion II and I have a Ameritron AL80B amp. Are the two compatible? do I need a external relay box between radio and amp?
> will the Heil mike with HC-5 work best (I use a BM 10 headset)or should I invest in a TT mike?
> any suggestions appreciated. thanks from a newbie to TT radios.
>
> Ruby KF4NI/7
>

7159. RE: [orion565] Re: question about amp and radio compatibility

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-01 17:58:01 UTC
From: Ralph Matthews
Topic: 7159 Message: 7159

I am using an Orion 2 with an AL 80 BQ (QSK.) I am running it directly with no relay box. The only thing I had to do was delay the T/R on the rig to 1% because of the QSK module within the amp. The O2 works like a charm with the amp.

Ralph, NA6D

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of floydsense
Sent: Saturday, October 01, 2011 10:44 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: question about amp and radio compatability

Hi Ruby. Page 38 of my Orion II Operator's Manual says that the external AMP KEY lines should not have more than +100V applied nor should the current to be switched be more than 250 ma. They go on to say that older Collins, Drake, Heathkit have more than 100V on the key line. Just about any amp made in the past 30 years or so will have a small voltage on the key line (12V or so?) and the current draw will be below the 250ma limit. For example, the AL-80B key line is at 12VDC and when keyed the current that flows is only 100ma. The Orion II handles that easily.

There's absolutely NOTHING to be gained by using an external "relay box" in this case. For any amp you'd ever want to use, you can easily check to see if the voltage and current are within the O2 limits. Using a voltmeter, measure the voltage on the amp's key line to ground. Then using a milliameter, short the key line to ground and observe the current reading. If both readings are within the limits, you're good to go.

From reading dozens of forums over the past few years, I'd say that this is probably the most asked question in all of amateur radio! While there are probably many current transceivers that might have trouble switching up to 100V on the amplifier key line, the O2 was done "right" in this respect.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "aztarheel" <kf4ni@...> wrote:
>
> I just purchased a Orion II and I have a Ameritron AL80B amp. Are the two compatible? do I need a external relay box between radio and amp?
> will the Heil mike with HC-5 work best (I use a BM 10 headset)or should I invest in a TT mike?
> any suggestions appreciated. thanks from a newbie to TT radios.
>
> Ruby KF4NI/7
>

Yahoo! Groups Links

7160. Re: RX366; new sub receiver*

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-01 22:58:44 UTC
From: radiomike_58
Topic: 7150 Message: 7160

This looks to be a very positive development. I was thinking that the next major rig would be 2 Eagles in the same box. I am curious as to how the new version 3 software differs? Hopefully they retain the operability of the current sub receiver, at least 595 filters(filters for every 10 Hz), with the much better synthesizer/filtering of the Eagle. I would be interested in seeing more concrete spec's on this receiver board, as I think that it would be a good addition to my Orion I.

As for the next level, An Orion III would be interesting if it was a Direct sampling SDR,(similar to Perseus/QS1R) with the stiff front end/filtering of the RX-340 ahead of it, to improve on blocking performance. In fact using the rack mount design of the 340 would set it apart from the consumer grade construction of other Top Ham rigs with the exception of the Hilberling. Other features that would be innovative would be the addition of a HDMI port for the audio/video out, VGA video port for a monitor, keyboard and mouse out and a built in computer.(everything in one box). Conventional knob/button interface for those who want it, but the ability to operate with software such as HDSDR or a proprietary version for the rig, using the keyboard/mouse. The best of both worlds. Just some thoughts.

Awaiting further info on the 366.

73,

Mike KA0KLQ

--- In orion565@yahoogroups.com, "Mark" <pa5mw@...> wrote:
>
> http://lists.contesting.com/_tentec/2011-09/msg00428.html
>
>
> 73 Mark, PA5MW
> *yes want one
>

7161. LCD display dims or blank when xmit CW high power

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-07 06:45:36 UTC
From: storygene
Topic: 7161 Message: 7161

What would cause the LCD display to flicker/dim when transmitting CW at above 25 watts? The issue gets progressively worse as I increase RF transmit power to the point where at 100 watts, the display blanks completely in step with CW tranmission.

On SSB, no issue or at least not that my eyes can discern?

Power supply and rig are well grounded. SWR match excellent. Different antennas and dummy load make no difference. ASTRON SS-30M connected direct or through my power pole distribution; same difference.

CW on my KENWOOD TS-2000 using same power supply and power pole distribution and same antennas and dummy load works fine at full 100 watts.

Although the power connector pins at the back of the rig look ok and the connector body seems to latch on ok, could this perhaps be a high resistance connection of the molex pins showing up under more of a load in CW mode?

Gene / K7TXO

7162. Re: [orion565] LCD display dims or blank when xmit CW high power

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-07 09:47:00 UTC
From: John Huffman
Topic: 7161 Message: 7162

Also check high resistance on the fuse holder.

73 de K1ESE
John

On Fri, 07 Oct 2011 02:45:36 -0400, storygene <k7txo@...> wrote:

> What would cause the LCD display to flicker/dim when transmitting CW at
> above 25 watts? The issue gets progressively worse as I increase RF
> transmit power to the point where at 100 watts, the display blanks
> completely in step with CW tranmission.
>
> On SSB, no issue or at least not that my eyes can discern?
>
> Power supply and rig are well grounded. SWR match excellent. Different
> antennas and dummy load make no difference. ASTRON SS-30M connected
> direct or through my power pole distribution; same difference.
>
> CW on my KENWOOD TS-2000 using same power supply and power pole
> distribution and same antennas and dummy load works fine at full 100
> watts.
>
> Although the power connector pins at the back of the rig look ok and the
> connector body seems to latch on ok, could this perhaps be a high
> resistance connection of the molex pins showing up under more of a load
> in CW mode?
>
> Gene / K7TXO
>

7163. Re: LCD display dims or blank when xmit CW high power

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-08 18:30:53 UTC
From: pa1ap
Topic: 7161 Message: 7163

If you have a powersupply with variable voltage could you turn down the voltage while receiving and share at which voltage the LCD switches off?

I will need to check at my unit but from memory I can turn down to 12 Volt without the LCD to blank out. Please share the threshold voltage at your rig.

On my unit I found that both fuse and power socke were causing voltage drop leading to issues. After the fuse fix (clean it) as well power pole replacement issue was gone. But your rig might have other issues...

Another problem could be the dc-dc regulator and you would need to measure if all voltages are still as designed.

On SSB -> If you wissle into the mic does the ALC indicator light up? Are you sure 100W comes out of the unit? And under those conditions the LCD screen does not dim?

Anyway, just some thoughts. I hope you can solve the issue soon! Best regards, Onno de pa1ap

7164. Re: LCD display dims or blank when xmit CW high power

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-09 14:30:54 UTC
From: pa1ap
Topic: 7161 Message: 7164

I just measured the following;

With LCD contrast set to optimum value and DC voltage to 13.8 Volt, I changed the voltage to observe the LCD thresholds;

1- On receive only; threshold for the LCD to turn white is 11 Volt.

2- On receive only; threshold for the LCD to start fading is 12 Volt

3- On transmit 100W CW; threshold for the LCD start fading is 12,5 Volt. You will notice the backlight blinking at pace of CW

I have measured the voltage at the power supply and realize the best place would be the orion powerplug. Original cable but I replaced the powersupply socket at Orion with powerpoles.

No difference found between Voice or CW with regards to LCD dimming or going blank.

Hope this helps, Regards, Onno de pa1ap

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> If you have a powersupply with variable voltage could you turn down the voltage while receiving and share at which voltage the LCD switches off?
>
> I will need to check at my unit but from memory I can turn down to 12 Volt without the LCD to blank out. Please share the threshold voltage at your rig.
>
> On my unit I found that both fuse and power socke were causing voltage drop leading to issues. After the fuse fix (clean it) as well power pole replacement issue was gone. But your rig might have other issues...
>
> Another problem could be the dc-dc regulator and you would need to measure if all voltages are still as designed.
>
> On SSB -> If you wissle into the mic does the ALC indicator light up? Are you sure 100W comes out of the unit? And under those conditions the LCD screen does not dim?
>
> Anyway, just some thoughts. I hope you can solve the issue soon! Best regards, Onno de pa1ap
>

7165. Orion backup battery

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-09 17:21:32 UTC
From: Barry N1EU
Topic: 7165 Message: 7165

Does anyone know for sure the exact replacement part number for the Orion backup battery. Perhaps it's the STM Snaphat M4Z28-BR00SH1 or M4Z32-BR00SH1 but does anyone know precisely?

Thanks & 73,
Barry N1EU

7166. Re: [orion565] Orion backup battery

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-09 19:26:56 UTC
From: Sam W Jacobs CET
Topic: 7165 Message: 7166

I'm not going to take my Orion apart to read any #'s off of it however their invoice only shows:

1-ORION BATTERY (37009)

My 10 year battery lasted 18 months. Something wrong here. And to boot, they CHARGED ME $9 plus shipping for it ?!!

73,
Sam
K3SAM

From: Barry N1EU <barry.n1eu@...>
To: Discussion of Ten-Tec Equipment <tentec@...>; Orion565 <orion565@yahoogroups.com>
Sent: Sunday, October 9, 2011 1:21 PM
Subject: [orion565] Orion backup battery

Does anyone know for sure the exact replacement part number for the
Orion backup battery. Perhaps it's the STM Snaphat M4Z28-BR00SH1 or
M4Z32-BR00SH1 but does anyone know precisely?

Thanks & 73,
Barry N1EU

[Non-text portions of this message have been removed]

7167. RE: [orion565] Orion backup battery

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-09 20:13:25 UTC
From: John T. Fleming
Topic: 7165 Message: 7167

Sam,

My Orion is 8 years old and I am still on the original battery. I don’t know if this makes any difference, but my power supply is always on even though my rig is off. I did not look to see if the 12 volt supply is holding the memory. Reading the PDF diagrams can be challenging!

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Sam W Jacobs CET
Sent: Sunday, October 09, 2011 3:27 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion backup battery

I'm not going to take my Orion apart to read any #'s off of it however their invoice only shows:

1-ORION BATTERY (37009)

My 10 year battery lasted 18 months. Something wrong here. And to boot, they CHARGED ME $9 plus shipping for it ?!!

73,
Sam
K3SAM

[Non-text portions of this message have been removed]

7168. Re: Orion backup battery

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-09 20:38:28 UTC
From: ve7tk
Topic: 7165 Message: 7168

I replaced mine a couple of years ago using:

http://parts.digikey.com/1/parts/605224-ic-snaphat-batt-crystal-28-soic-m4t32-br12sh1.html

The battery comes in 2 flavours and both the M4T28 and M4T32 are available from Digi-Key.. The M4T28 is 48mAh (the stock battery) and M4T32 a 120 mAh. I chose the latter and it fits.

The part number on the original was:

M4.T28-BR12SH1 (I don't know why the dot is there either)

If I were doing it again I'd consider using a CR-2032 and holder. The Snaphat has a battery and built-in clock. However, the clock is not used in the Orion.

73, Rick
VE7TK

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Does anyone know for sure the exact replacement part number for the
> Orion backup battery. Perhaps it's the STM Snaphat M4Z28-BR00SH1 or
> M4Z32-BR00SH1 but does anyone know precisely?
>
> Thanks & 73,
> Barry N1EU
>

7169. Re: Orion backup battery

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-11 02:22:06 UTC
From: Dick Foster
Topic: 7165 Message: 7169

Barry,

Here is a hint that you may find useful when you tear into the rig to replace the battery: I found referring to the sweep display upgrade procedure useful in that it gives step by step instructions on how to get inside the front panel. (That's where the battery is.) Be careful when you disconnect the cables and get them all back in the right place. Also, you'll need a small Torx bit for some of the screws.

Can't help you with the battery part number. I just called TenTec and got out my plastic.

Dick W5TA

7170. Orion intermittent RIT - what's the latest/greatest fix?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-11 13:31:33 UTC
From: Barry N1EU
Topic: 7170 Message: 7170

There's a good summary of the discussion on the intermittent RIT issue here:

http://www.tentecwiki.org/doku.php?id=565ritfix

Is silver conductive grease ($$$) the only long term fix? Is there
another more cost effective fix that holds up over time?

Thanks & 73,
Barry N1EU

7171. RE: [orion565] Orion intermittent RIT - what's the latest/greatest fix?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-11 14:38:49 UTC
From: Robert Carroll
Topic: 7170 Message: 7171

Though not answering Barry's question, my 565 went back to the mothership about two years ago for treatment of the problem the factory had still never seen. I had had a many-year continuing wrestling match with them over the issue. They performed the latest solution (I forget the details of what they did) and the 565 has not missed a RIT beat since. Sending the 565 back was a hassle, and the fix was not cheap--but it was worth it to me.

73

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Tuesday, October 11, 2011 9:32 AM
To: Discussion of Ten-Tec Equipment; Orion565
Subject: [orion565] Orion intermittent RIT - what's the latest/greatest fix?

There's a good summary of the discussion on the intermittent RIT issue here:

http://www.tentecwiki.org/doku.php?id=565ritfix

Is silver conductive grease ($$$) the only long term fix? Is there
another more cost effective fix that holds up over time?

Thanks & 73,
Barry N1EU

[Non-text portions of this message have been removed]

7172. Re: LCD display dims or blank when xmit CW high power

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-11 14:42:22 UTC
From: storygene
Topic: 7161 Message: 7172

Onno -

Thank you for your excellent test results. I will send you a msg tonight after work or maybe tomorrow with what I have found and what I am doing to correct it.

Gene / K7TXO

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> I just measured the following;
>
> With LCD contrast set to optimum value and DC voltage to 13.8 Volt, I changed the voltage to observe the LCD thresholds;
>
> 1- On receive only; threshold for the LCD to turn white is 11 Volt.
>
> 2- On receive only; threshold for the LCD to start fading is 12 Volt
>
> 3- On transmit 100W CW; threshold for the LCD start fading is 12,5 Volt. You will notice the backlight blinking at pace of CW
>
> I have measured the voltage at the power supply and realize the best place would be the orion powerplug. Original cable but I replaced the powersupply socket at Orion with powerpoles.
>
> No difference found between Voice or CW with regards to LCD dimming or going blank.
>
> Hope this helps, Regards, Onno de pa1ap
>
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > If you have a powersupply with variable voltage could you turn down the voltage while receiving and share at which voltage the LCD switches off?
> >
> > I will need to check at my unit but from memory I can turn down to 12 Volt without the LCD to blank out. Please share the threshold voltage at your rig.
> >
> > On my unit I found that both fuse and power socke were causing voltage drop leading to issues. After the fuse fix (clean it) as well power pole replacement issue was gone. But your rig might have other issues...
> >
> > Another problem could be the dc-dc regulator and you would need to measure if all voltages are still as designed.
> >
> > On SSB -> If you wissle into the mic does the ALC indicator light up? Are you sure 100W

comes out of the unit? And under those conditions the LCD screen does not dim?
> >
> > Anyway, just some thoughts. I hope you can solve the issue soon! Best regards, Onno de pa1ap
> >
>

7173. Re: LCD display dims or blank when xmit CW high power

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-12 07:01:10 UTC
From: storygene
Topic: 7161 Message: 7173

Onno -

The combination of the factory Orion power cable which might be 12 ga wire, power pole connectors into an external crowbar circuit, another pair of power pole connectors and another three feet of 12 ga wire provided enough IR drop to cause this issue. I took the radio directly to the power supply with the factory Orion power cable and the issue is entirely gone.

Individually, each stage of the connection was reasonable. Collectively it added up to be marginal. I think in part the factory cable is ahh, limiting. And the Orion is definitely sensitive to slightly lower voltage compared to other rigs. But the other components in the chain each contributed to the issue.

I will purchase 10 ga wire and re-work the configuration. I will have to switch to 45 amp power pole connectors if I want to continue using this type. I like the universal nature of these connectors. I positively do not like their sloppy mating. However, ANDERSON has come out with sonic welded pairs of the 45 amp connectors and retention clips to keep a connection-pair mated together so there is a solution available.

Fun to resolve issues like this actually. And I am very glad that the rig itself is fine. What a joy to operate an Orion. The rest of my non TEN-TEC rigs do not get used much since the Orion was brought into the shack.

Gene / K7TXO

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
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> No difference found between Voice or CW with regards to LCD dimming or going blank.
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> Hope this helps, Regards, Onno de pa1ap

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> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
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> > Anyway, just some thoughts. I hope you can solve the issue soon! Best regards, Onno de pa1ap
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>

7174. Re: [orion565] Re: LCD display dims or blank when xmit CW high power

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-12 12:15:25 UTC
From: Bob McGraw - K4TAX
Topic: 7161 Message: 7174

I've experienced several instances where the utilization of the crimp connection method was not adequate. Therefore, I always use the "crimp and then solder" method for all power connections.

I'm a firm believer in using a separate dedicated ground between the radio and the power supply as the DC power negative is not solely adequate. Any IR drop in the negative lead placed the radio above ground by several millivolts. The power supply negative or power supply ground terminal is then common point for station ground if one is used.

I've found that #10 ga automotive primary wire works well and is suitably flexible for most all power applications and ground applications.

73
Bob, K4TAX

----- Original Message -----
From: storygene
To: orion565@yahoogroups.com
Sent: Wednesday, October 12, 2011 2:01 AM
Subject: [orion565] Re: LCD display dims or blank when xmit CW high power

Onno -

The combination of the factory Orion power cable which might be 12 ga wire, power pole connectors into an external crowbar circuit, another pair of power pole connectors and another three feet of 12 ga wire provided enough IR drop to cause this issue. I took the radio directly to the power supply with the factory Orion power cable and the issue is entirely gone.

Individually, each stage of the connection was reasonable. Collectively it added up to be marginal. I think in part the factory cable is ahh, limiting. And the Orion is definitely sensitive to slightly lower voltage compared to other rigs. But the other components in the chain each contributed to the issue.

I will purchase 10 ga wire and re-work the configuration. I will have to switch to 45 amp power pole connectors if I want to continue using this type. I like the universal nature of these connectors. I positively do not like their sloppy mating. However, ANDERSON has come out with sonic welded pairs of the 45 amp connectors and retention clips to keep a connection-pair mated together so there is a solution available.

Fun to resolve issues like this actually. And I am very glad that the rig itself is fine. What a joy to operate an Orion. The rest of my non TEN-TEC rigs do not get used much since the Orion was brought into the shack.

Gene / K7TXO

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
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>

[Non-text portions of this message have been removed]

7175. Re: LCD display dims or blank when xmit CW high power

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-12 14:25:39 UTC
From: storygene
Topic: 7161 Message: 7175

Totally agree with you on that Bob. I solder all of my crimp connections here in the shack and most everywhere else if a hot iron can be had.

Since the addition of the Orion required me to scoot the power supply to a different location, I admit at the moment, the proper PS chassis direct to ground point wire is not in place; it will not reach. A roll of braid arrived yesterday so the PS comes out of its hole tonight and that important path gets put back in place. It's alligator-clipped to station ground right now but that is hardly any sort of effective path to ground that way.

Gene / K7TXO

--- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
>
> I've experienced several instances where the utilization of the crimp connection method was not adequate. Therefore, I always use the "crimp and then solder" method for all power connections.
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> I'm a firm believer in using a separate dedicated ground between the radio and the power supply as the DC power negative is not solely adequate. Any IR drop in the negative lead placed the radio above ground by several millivolts. The power supply negative or power supply ground terminal is then common point for station ground if one is used.
>
> I've found that #10 ga automotive primary wire works well and is suitably flexible for most all power applications and ground applications.
>
> 73
> Bob, K4TAX
>
>
> ----- Original Message -----
> From: storygene
> To: orion565@yahoogroups.com
> Sent: Wednesday, October 12, 2011 2:01 AM
> Subject: [orion565] Re: LCD display dims or blank when xmit CW high power
>
>
>
> Onno -
>
> The combination of the factory Orion power cable which might be 12 ga wire, power pole connectors into an external crowbar circuit, another pair of power pole connectors and another three feet of 12 ga wire provided enough IR drop to cause this issue. I took the radio directly to the power supply with the factory Orion power cable and the issue is entirely gone.
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> Individually, each stage of the connection was reasonable. Collectively it added up to be

marginal. I think in part the factory cable is ahh, limiting. And the Orion is definitely sensitive to slightly lower voltage compared to other rigs. But the other components in the chain each contributed to the issue.
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> I will purchase 10 ga wire and re-work the configuration. I will have to switch to 45 amp power pole connectors if I want to continue using this type. I like the universal nature of these connectors. I positively do not like their sloppy mating. However, ANDERSON has come out with sonic welded pairs of the 45 amp connectors and retention clips to keep a connection-pair mated together so there is a solution available.
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> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
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> > I have measured the voltage at the power supply and realize the best place would be the orion powerplug. Original cable but I replaced the powersupply socket at Orion with powerpoles.
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> > No difference found between Voice or CW with regards to LCD dimming or going blank.
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> > > On SSB -> If you wissle into the mic does the ALC indicator light up? Are you sure 100W comes out of the unit? And under those conditions the LCD screen does not dim?
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> > > Anyway, just some thoughts. I hope you can solve the issue soon! Best regards, Onno de pa1ap
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>
> [Non-text portions of this message have been removed]
>

7176. RE: [orion565] Re: LCD display dims or blank when xmit CW high power

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-12 14:33:55 UTC
From: art davis
Topic: 7161 Message: 7176

I'm relieved to see that someone else has experienced the sloppy mating of PowerPole connectors. I bought my first ones at a hamfest this summer and was sorely disapointed when I mated the first pair, thought they must be defective. But I went ahead and used them anyway to provide a quick disconnect for the orion from it's power supply. I found that I have to keep them tied together or they keep de-mating. Electrically they're OK, not great as I had hoped. Live and learn...

73, Art N4UC

To: orion565@yahoogroups.com
From: RMcGraw@...
Date: Wed, 12 Oct 2011 07:15:25 -0500
Subject: Re: [orion565] Re: LCD display dims or blank when xmit CW high power

I've experienced several instances where the utilization of the crimp connection method was not adequate. Therefore, I always use the "crimp and then solder" method for all power connections.

I'm a firm believer in using a separate dedicated ground between the radio and the power supply as the DC power negative is not solely adequate. Any IR drop in the negative lead placed the radio above ground by several millivolts. The power supply negative or power supply ground terminal is then common point for station ground if one is used.

I've found that #10 ga automotive primary wire works well and is suitably flexible for most all power applications and ground applications.

73

Bob, K4TAX

----- Original Message -----

From: storygene

To: orion565@yahoogroups.com

Sent: Wednesday, October 12, 2011 2:01 AM

Subject: [orion565] Re: LCD display dims or blank when xmit CW high power

Onno -

The combination of the factory Orion power cable which might be 12 ga wire, power pole connectors into an external crowbar circuit, another pair of power pole connectors and another three feet of 12 ga wire provided enough IR drop to cause this issue. I took the radio directly to the power supply with the factory Orion power cable and the issue is entirely gone.

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Gene / K7TXO

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:

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> I have measured the voltage at the power supply and realize the best place would be the orion powerplug. Original cable but I replaced the powersupply socket at Orion with powerpoles.

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> No difference found between Voice or CW with regards to LCD dimming or going blank.

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> Hope this helps, Regards, Onno de pa1ap

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> > Anyway, just some thoughts. I hope you can solve the issue soon! Best regards, Onno de pa1ap

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>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7178. Re: LCD display dims or blank when xmit CW high power

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-12 17:52:01 UTC
From: pa1ap
Topic: 7161 Message: 7178

Good news and happy to hear it was an outside factor causing the challenge. As others recommended I would still take the fuse out to check if it is dirty. If so clean and reinsert a couple of times. That would make it all "perfect". best regards, ONno

--- In orion565@yahoogroups.com, "storygene" <k7txo@...> wrote:
>
> Onno -
>
> The combination of the factory Orion power cable which might be 12 ga wire, power pole connectors into an external crowbar circuit, another pair of power pole connectors and another three feet of 12 ga wire provided enough IR drop to cause this issue. I took the radio directly to the power supply with the factory Orion power cable and the issue is entirely gone.
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> I will purchase 10 ga wire and re-work the configuration. I will have to switch to 45 amp power pole connectors if I want to continue using this type. I like the universal nature of these connectors. I positively do not like their sloppy mating. However, ANDERSON has come out with sonic welded pairs of the 45 amp connectors and retention clips to keep a connection-pair mated together so there is a solution available.
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> Fun to resolve issues like this actually. And I am very glad that the rig itself is fine. What a joy to operate an Orion. The rest of my non TEN-TEC rigs do not get used much since the Orion was brought into the shack.
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7179. Re: LCD display dims or blank when xmit CW high power

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-12 17:56:38 UTC
From: pa1ap
Topic: 7161 Message: 7179

Well my experience is very postive using powerpole connectors. I did find the first mounting was poor and I had to redo it. If the internal "spoon" is inserted wrong or not far enough the connection is indeed wobbly at best. I have "upgraded" all my connections to powerpole, even in mobile station, and so far so good.... I might have been lucky... By the way, I dont crimp and just solder the wire into the small bus. Be careful to keep the remaining part of the "spoon" clean and in same shape.

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:
>
>
> I'm relieved to see that someone else has experienced the sloppy mating of PowerPole connectors. I bought my first ones at a hamfest this summer and was sorely disapointed when I mated the first pair, thought they must be defective. But I went ahead and used them anyway to provide a quick disconnect for the orion from it's power supply. I found that I have to keep them tied together or they keep de-mating. Electrically they're OK, not great as I had hoped. Live and learn...
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> To: orion565@yahoogroups.com
> From: RMcGraw@...
> Date: Wed, 12 Oct 2011 07:15:25 -0500
> Subject: Re: [orion565] Re: LCD display dims or blank when xmit CW high power
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> Bob, K4TAX
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> ----- Original Message -----
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> From: storygene
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> To: orion565@yahoogroups.com
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> Sent: Wednesday, October 12, 2011 2:01 AM
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> Subject: [orion565] Re: LCD display dims or blank when xmit CW high power
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> > With LCD contrast set to optimum value and DC voltage to 13.8 Volt, I changed the voltage to observe the LCD thresholds;
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> > 1- On receive only; threshold for the LCD to turn white is 11 Volt.
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> > 2- On receive only; threshold for the LCD to start fading is 12 Volt
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> > 3- On transmit 100W CW; threshold for the LCD start fading is 12,5 Volt. You will

notice the backlight blinking at pace of CW
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> > No difference found between Voice or CW with regards to LCD dimming or going blank.
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> > Hope this helps, Regards, Onno de pa1ap
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> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
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> > > If you have a powersupply with variable voltage could you turn down the voltage while receiving and share at which voltage the LCD switches off?
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7180. RE: [orion565] Re: LCD display dims or blank when xmit CW high power

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-13 02:57:19 UTC
From: art davis
Topic: 7161 Message: 7180

I also solder instead of crimp. I thought that maybe the "spoons" lost their temper and "spring-i-ness" by heating them up, but looks like you have proven that was probably not the case.

GL 73

To: orion565@yahoogroups.com
From: pa1ap@...
Date: Wed, 12 Oct 2011 17:56:38 +0000
Subject: [orion565] Re: LCD display dims or blank when xmit CW high power

Well my experience is very postive using powerpole connectors. I did find the first mounting was poor and I had to redo it. If the internal "spoon" is inserted wrong or not far enough the connection is indeed wobbly at best. I have "upgraded" all my connections to powerpole, even in mobile station, and so far so good.... I might have been lucky... By the way, I dont crimp and just solder the wire into the small bus. Be careful to keep the remaining part of the "spoon" clean and in same shape.

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:

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> I'm relieved to see that someone else has experienced the sloppy mating of PowerPole connectors. I bought my first ones at a hamfest this summer and was sorely disapointed when I mated the first pair, thought they must be defective. But I went ahead and used them anyway to provide a quick disconnect for the orion from it's power supply. I found that I have to keep them tied together or they keep de-mating. Electrically they're OK, not great as I had hoped. Live and learn...

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> 73, Art N4UC

>

> To: orion565@yahoogroups.com

> From: RMcGraw@...

> Date: Wed, 12 Oct 2011 07:15:25 -0500

> Subject: Re: [orion565] Re: LCD display dims or blank when xmit CW high power

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> I've found that #10 ga automotive primary wire works well and is suitably flexible for most all power applications and ground applications.

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> 73

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> Bob, K4TAX

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> ----- Original Message -----

>

> From: storygene

>

> To: orion565@yahoogroups.com

>

> Sent: Wednesday, October 12, 2011 2:01 AM

>

> Subject: [orion565] Re: LCD display dims or blank when xmit CW high power

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> Onno -

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> The combination of the factory Orion power cable which might be 12 ga wire, power pole connectors into an external crowbar circuit, another pair of power pole connectors and another three feet of 12 ga wire provided enough IR drop to cause this issue. I took the radio directly to the power supply with the factory Orion power cable and the issue is entirely gone.

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> Individually, each stage of the connection was reasonable. Collectively it added up to be marginal. I think in part the factory cable is ahh, limiting. And the Orion is definitely sensitive to slightly lower voltage compared to other rigs. But the other components in the chain each contributed to the issue.

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> I will purchase 10 ga wire and re-work the configuration. I will have to switch to 45 amp power pole connectors if I want to continue using this type. I like the universal nature of these connectors. I positively do not like their sloppy mating. However, ANDERSON has come out with sonic welded pairs of the 45 amp connectors and retention clips to keep a connection-pair mated together so there is a solution available.

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> Fun to resolve issues like this actually. And I am very glad that the rig itself is fine. What a joy to operate an Orion. The rest of my non TEN-TEC rigs do not get used much since the Orion was brought into the shack.

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> Gene / K7TXO

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7181. Re: [orion565] Re: LCD display dims or blank when xmit CW high power

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-13 14:56:32 UTC
From: Bob McGraw - K4TAX
Topic: 7161 Message: 7181

Other than the 3rd pin AC mains safety ground, I do not have an external ground on the station equipment. I do tie each piece of equipment, using a dedicated conductor, back to the common point on the station power supply. If one uses an external ground, this would then be the common point for connection of that ground.

Also I'm aware that PowerPole now has pairs of mating connectors that are not separate pieces and thus held together only by a roll pin. In my case when assembling the PowerPole connectors, I use the roll pin but also use a drop or two of the famous "super glue" to keep the black and red pieces together.

73
Bob, K4TAX

----- Original Message -----
From: storygene
To: orion565@yahoogroups.com
Sent: Wednesday, October 12, 2011 9:25 AM
Subject: [orion565] Re: LCD display dims or blank when xmit CW high power

Totally agree with you on that Bob. I solder all of my crimp connections here in the shack and most everywhere else if a hot iron can be had.

Since the addition of the Orion required me to scoot the power supply to a different location, I admit at the moment, the proper PS chassis direct to ground point wire is not in place; it will not reach. A roll of braid arrived yesterday so the PS comes out of its hole tonight and that important path gets put back in place. It's alligator-clipped to station ground right now but that is hardly any sort of effective path to ground that way.

Gene / K7TXO

--- In orion565@yahoogroups.com, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
>
> I've experienced several instances where the utilization of the crimp connection method was not adequate. Therefore, I always use the "crimp and then solder" method for all power connections.
>
> I'm a firm believer in using a separate dedicated ground between the radio and the power supply as the DC power negative is not solely adequate. Any IR drop in the negative lead placed the radio above ground by several millivolts. The power supply negative or power supply ground terminal is then common point for station ground if one is used.
>
> I've found that #10 ga automotive primary wire works well and is suitably flexible for most all power applications and ground applications.
>
> 73
> Bob, K4TAX
>

>
> ----- Original Message -----
> From: storygene
> To: orion565@yahoogroups.com
> Sent: Wednesday, October 12, 2011 2:01 AM
> Subject: [orion565] Re: LCD display dims or blank when xmit CW high power
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> Onno -
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> The combination of the factory Orion power cable which might be 12 ga wire, power pole connectors into an external crowbar circuit, another pair of power pole connectors and another three feet of 12 ga wire provided enough IR drop to cause this issue. I took the radio directly to the power supply with the factory Orion power cable and the issue is entirely gone.
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> Individually, each stage of the connection was reasonable. Collectively it added up to be marginal. I think in part the factory cable is ahh, limiting. And the Orion is definitely sensitive to slightly lower voltage compared to other rigs. But the other components in the chain each contributed to the issue.
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> I will purchase 10 ga wire and re-work the configuration. I will have to switch to 45 amp power pole connectors if I want to continue using this type. I like the universal nature of these connectors. I positively do not like their sloppy mating. However, ANDERSON has come out with sonic welded pairs of the 45 amp connectors and retention clips to keep a connection-pair mated together so there is a solution available.
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> Fun to resolve issues like this actually. And I am very glad that the rig itself is fine. What a joy to operate an Orion. The rest of my non TEN-TEC rigs do not get used much since the Orion was brought into the shack.
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> Gene / K7TXO
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> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
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> > With LCD contrast set to optimum value and DC voltage to 13.8 Volt, I changed the voltage to observe the LCD thresholds;
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> > I have measured the voltage at the power supply and realize the best place would be the orion powerplug. Original cable but I replaced the powersupply socket at Orion with

powerpoles.
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> > No difference found between Voice or CW with regards to LCD dimming or going blank.
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> > Hope this helps, Regards, Onno de pa1ap
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> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
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> > > Another problem could be the dc-dc regulator and you would need to measure if all voltages are still as designed.
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> > > On SSB -> If you wissle into the mic does the ALC indicator light up? Are you sure 100W comes out of the unit? And under those conditions the LCD screen does not dim?
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7182. RE: [orion565] Re: LCD display dims or blank when xmit CW high power

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-13 19:30:44 UTC
From: art davis
Topic: 7161 Message: 7182

Just for the record, I opened up my Orion and took some measurements.

On receive, voltage at the input power connector (power poles) = 14.002V. (power supply output = 14.15V)

Key-down, CW, 100W out, SWR 1.0:1 (this is important), the V dropped to 13.23V. (P/S out=14.08)

At SWR 2:1, V=13.02 with some dimming.

Inside the radio, I measured a maximum drop of 45mV (.045V) between the input power pole and the input to the PA during key-down.

For power cable, I use 6 feet of #12 red/white zip cord (true #12) connected to radio with power poles.

To: orion565@yahoogroups.com
From: pa1ap@...
Date: Wed, 12 Oct 2011 17:56:38 +0000
Subject: [orion565] Re: LCD display dims or blank when xmit CW high power

Well my experience is very postive using powerpole connectors. I did find the first mounting was poor and I had to redo it. If the internal "spoon" is inserted wrong or not far enough the connection is indeed wobbly at best. I have "upgraded" all my connections to powerpole, even in mobile station, and so far so good.... I might have been lucky... By the way, I dont crimp and just solder the wire into the small bus. Be careful to keep the remaining part of the "spoon" clean and in same shape.

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:

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> I'm relieved to see that someone else has experienced the sloppy mating of PowerPole connectors. I bought my first ones at a hamfest this summer and was sorely disapointed when I mated the first pair, thought they must be defective. But I went ahead and used them anyway to provide a quick disconnect for the orion from it's power supply. I found that I have to keep them tied together or they keep de-mating. Electrically they're OK, not great as I had hoped. Live and learn...

>

> 73, Art N4UC

>

> To: orion565@yahoogroups.com

> From: RMcGraw@...

> Date: Wed, 12 Oct 2011 07:15:25 -0500

> Subject: Re: [orion565] Re: LCD display dims or blank when xmit CW high power

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> Bob, K4TAX

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> ----- Original Message -----

>

> From: storygene

>

> To: orion565@yahoogroups.com

>

> Sent: Wednesday, October 12, 2011 2:01 AM

>

> Subject: [orion565] Re: LCD display dims or blank when xmit CW high power

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7183. Re: LCD display dims or blank when xmit CW high power

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-13 20:13:59 UTC
From: pa1ap
Topic: 7161 Message: 7183

not accepting any compromise I am installing new cables. Have to figure out how to connect it to the powerpoles but its a good start. Wife made a picture while installing the new wiring :-)

http://upload.wikimedia.org/wikipedia/commons/b/b2/Cu_pipe_leonard.jpg

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:
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> I also solder instead of crimp. I thought that maybe the "spoons" lost their temper and "spring-i-ness" by heating them up, but looks like you have proven that was probably not the case.
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> From: pa1ap@...
> Date: Wed, 12 Oct 2011 17:56:38 +0000
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> > Date: Wed, 12 Oct 2011 07:15:25 -0500
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> > ----- Original Message -----
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> > From: storygene
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> > Sent: Wednesday, October 12, 2011 2:01 AM
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> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
>
> >
>
> > >
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> > >
>
> > > I just measured the following;
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> >
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> > >
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> > >
>
> > > With LCD contrast set to optimum value and DC voltage to 13.8 Volt, I changed the voltage to observe the LCD thresholds;
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>
> > > 1- On receive only; threshold for the LCD to turn white is 11 Volt.
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> >
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>
> > > 2- On receive only; threshold for the LCD to start fading is 12 Volt
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> >
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>
> > > 3- On transmit 100W CW; threshold for the LCD start fading is 12,5 Volt. You will notice the backlight blinking at pace of CW
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> >
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>
> > > I have measured the voltage at the power supply and realize the best place would be the orion powerplug. Original cable but I replaced the powersupply socket at Orion with powerpoles.
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> >
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> >
>
> > > No difference found between Voice or CW with regards to LCD dimming or going blank.
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> > > Hope this helps, Regards, Onno de pa1ap
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> > > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
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> >
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> > > > >
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>
> > > > If you have a powersupply with variable voltage could you turn down the voltage while receiving and share at which voltage the LCD switches off?
>
> >
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> > > > >
>
> >
>
> > > > I will need to check at my unit but from memory I can turn down to 12 Volt without the LCD to blank out. Please share the threshold voltage at your rig.
>
> >
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> > > > >
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> >
>
> > > > On my unit I found that both fuse and power socke were causing voltage drop leading to issues. After the fuse fix (clean it) as well power pole replacement issue was gone. But your rig might have other issues...
>
> >
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> > > > >
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>
> > > > Another problem could be the dc-dc regulator and you would need to measure if all voltages are still as designed.
>
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> > > > >
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> >
>
> > > > On SSB -> If you wissle into the mic does the ALC indicator light up? Are you sure 100W comes out of the unit? And under those conditions the LCD screen does not dim?
>
> >

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> > > >
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>
> > > > Anyway, just some thoughts. I hope you can solve the issue soon! Best regards, Onno de pa1ap
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> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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7184. Re: 253

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-13 21:51:09 UTC
From: Edward Feustel
Topic: 7184 Message: 7184

I have a 311, the connecting cable, and a 253 that are surplus to my needs. If you
are interested. (I used balanced antennas).

If you want to use the 253 on 60 meters, you will need a non-TenTec cable as it omits the wire that controls the tuner on 60. My cable has the additional wire.

I used mine first with the Paragon II and bought a 311 from Ten Tec after I traded
the Paragon for an Orion 565.

Ed Feustel.N5EI
(603)298-5716

7185. Re: RX366; new sub receiver*

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-14 06:35:42 UTC
From: Mark
Topic: 7150 Message: 7185

snipped from yesterdays TT mailinglist:

Full general coverage. It's the receiver that is now in the Eagle.

Carl Moreschi N4PY
121 Little Bell Dr.
Hays, NC 28635
www.n4py.com

On 10/13/2011 5:17 PM, Tony Lelieveld wrote:
> Will it be full coverage or ham band only? Thanks Tony VE3DWI.

> To: Discussion of Ten-Tec Equipment<tentec@...>
> Reply-To: Discussion of Ten-Tec Equipment<tentec@...>
> Subject: Re: [TenTec] new RX366 sub receiver
>
> I was not a beta tester but I saw one at the Tentec hamfest and talked
> with John Henry about it. It is an exciting thing for the Orion.

7186. Re: RX366; new sub receiver*

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-15 01:03:39 UTC
From: radiomike_58
Topic: 7150 Message: 7186

I am curious as to if the filter steps(10Hz between bandwidths) will be the same as the existing Orion Sub Receiver?? This should be a major step forward, with the ability to use the roofing filters, the quieter synthesizer, 9MHz 1st IF and all. Has anyone heard any additional details such as projected cost?? As an Orion I owner, I am interested.

73,

Mike Bates
KA0KLQ
--- In orion565@yahoogroups.com, "Mark" <pa5mw@...> wrote:
>
>
>
> *snipped* from yesterdays TT mailinglist:
>
>
>
> Full general coverage. It's the receiver that is now in the Eagle.
>
> Carl Moreschi N4PY
> 121 Little Bell Dr.
> Hays, NC 28635
> www.n4py.com
>
> On 10/13/2011 5:17 PM, Tony Lelieveld wrote:
> > Will it be full coverage or ham band only? Thanks Tony VE3DWI.
>
> > To: Discussion of Ten-Tec Equipment<tentec@...>
> > Reply-To: Discussion of Ten-Tec Equipment<tentec@...>
> > Subject: Re: [TenTec] new RX366 sub receiver
> >
> > I was not a beta tester but I saw one at the Tentec hamfest and talked
> > with John Henry about it. It is an exciting thing for the Orion.
>

7187. Re: [orion565] Re: RX366; new sub receiver*Full general coverage

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-15 07:55:36 UTC
From: Jacques Paoli
Topic: 7150 Message: 7187

It's possible to obtain with a modif hard or soft a "Full general coverage" for an orion 566?
Thank (vous pouvez répondre tout aussi bien en français ou italien, merci, sinon dans la langue employée.

jacqiues

[Non-text portions of this message have been removed]

7188. Re: [orion565] Re: RX366; new sub receiver*

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-15 07:57:28 UTC
From: Jacques Paoli
Topic: 7150 Message: 7188

scume me for incomplete message.
It's possible to obtain with a modif hard or soft a "Full general coverage" for an orion 566? in TX and RX ?
thank

[Non-text portions of this message have been removed]

7189. Re: [orion565] Re: RX366; new sub receiver*

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-15 08:21:10 UTC
From: Barry N1EU
Topic: 7150 Message: 7189

No, the 565 and 566 will not do general coverage transmit.

Barry N1EU

On Sat, Oct 15, 2011 at 7:57 AM, Jacques Paoli <Tk1lg@...> wrote:

> **
>
>
> scume me for incomplete message.
> It's possible to obtain with a modif hard or soft a "Full general
> coverage" for an orion 566? in TX and RX ?
> thank
>
> [Non-text portions of this message have been removed]
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7190. New to the group

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-16 12:32:32 UTC
From: k5ux@rocketmail.com
Topic: 7190 Message: 7190

Traded my Flex 5000A for O2 with all the options. I love my O2! Forgot what it was like to have a "big knob" radio again! I'd like to use an external pan display that tracks VFO A. Not looking to control the O2 via my computer......just wanting a panadapter. Any ideas/suggestions would be much appreciated.

Thanks for reading.

Mike,
K5UX

7191. Re: New to the group

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-16 13:08:41 UTC
From: jskalski
Topic: 7190 Message: 7191

Hi,
Look in the files section of this group.
there is a pdf file re: LP pan use with the O2
Jim n2go

--- In orion565@yahoogroups.com, "k5ux@..." <k5ux@...> wrote:
>
> Traded my Flex 5000A for O2 with all the options. I love my O2! Forgot what it was like to have a "big knob" radio again! I'd like to use an external pan display that tracks VFO A. Not looking to control the O2 via my computer.....just wanting a panadapter. Any ideas/suggestions would be much appreciated.
>
> Thanks for reading.
>
> Mike,
> K5UX
>

7192. Re: New to the group

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-16 16:34:02 UTC
From: floydsense
Topic: 7190 Message: 7192

I recommend installing the tap for the 9 MHz IF in the O2 per the VE7TK documentation and then using an SDR-IQ and SpectraVue as the panadaptor. SpectraVue fully supports the Orion II and with the resulting panadaptor display you can even mouse on a signal you see on the panadaptor and the Orion will be immediately tuned to that signal. This approach uses the smallest number of hardware/software pieces/parts and it won't require constant attention to keep it running properly. If you use a logging program, you can still access the Orion II port by using a port sharing program (I use VSPE, which is free for 32 bit Windows systems).

LP-Pan is another approach, but keeping the related free software running on my Win 7 system was more trouble than I needed. I'd also avoid the approach of NOT using the IF tap and just sharing the antenna between the SDR-IQ and the Orion. The SDR-IQ sensitivity is less than required on 12 and 10 meters and there are other undesirable issues to deal with. Using the IF/SDR-IQ method, any signal that you can hear on the Orion (even the very weakest CW signal) will produce a visible indication on the panadaptor. Others disagree with these opinions and prefer to not use the IF approach. All I can say to that is they are obviously less critical of the final result than I am!

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "k5ux@..." <k5ux@...> wrote:
>
> Traded my Flex 5000A for O2 with all the options. I love my O2! Forgot what it was like to have a "big knob" radio again! I'd like to use an external pan display that tracks VFO A. Not looking to control the O2 via my computer......just wanting a panadapter. Any ideas/suggestions would be much appreciated.
>
> Thanks for reading.
>
> Mike,
> K5UX
>

7193. O2 power on display

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-17 04:50:11 UTC
From: Bong
Topic: 7193 Message: 7193

Hi all, can anyone help me out here, when I power on the O2, no display will come up until maybe 30mins or so , also if the display comes on, and switch it off till next day, again no display on the screen when powering it on again, any advice is highly appreciated, 73 to all de Bong

7194. Fwd: O2 power on display

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-17 05:08:48 UTC
From: Jacques Paoli
Topic: 7194 Message: 7194

>
> it's only a possibility:
>
> http://www.n6ie.com/A9_Fix.html
>
> jacques
> tk1lg

7195. Re: [orion565] Fwd: O2 power on display

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-17 05:17:01 UTC
From: Arnel Nebrida
Topic: 7194 Message: 7195

Same thing happened with my O1.....replaced all caps at A9 board.

73'
Arnel DU2XXA

--- On Mon, 10/17/11, Jacques Paoli <Tk1lg@...> wrote:

From: Jacques Paoli <Tk1lg@...>
Subject: [orion565] Fwd: O2 power on display
To: orion565@yahoogroups.com
Date: Monday, 17 October, 2011, 1:08 PM

>

> it's only a possibility:

>

> http://www.n6ie.com/A9_Fix.html

>

> jacques

> tk1lg

[Non-text portions of this message have been removed]

7196. Re: [orion565] Fwd: O2 power on display

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-17 06:55:13 UTC
From: Bong so
Topic: 7194 Message: 7196

Hi Arnel, are they locally available ? or do i have to order them abroad?????
tnx de Bong

From: Arnel Nebrida <du2xxa@...>
To: orion565@yahoogroups.com
Sent: Monday, October 17, 2011 1:17 PM
Subject: Re: [orion565] Fwd: O2 power on display

Same thing happened with my O1.....replaced all caps at A9 board.

73'
Arnel DU2XXA

--- On Mon, 10/17/11, Jacques Paoli <Tk1lg@...> wrote:

From: Jacques Paoli <Tk1lg@...>
Subject: [orion565] Fwd: O2 power on display
To: orion565@yahoogroups.com
Date: Monday, 17 October, 2011, 1:08 PM

>

> it's only a possibility:

>

> http://www.n6ie.com/A9_Fix.html

>

> jacques

> tk1lg

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7197. Re: [orion565] Fwd: O2 power on display

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-17 12:42:59 UTC
From: Bob McGraw - K4TAX
Topic: 7194 Message: 7197

Nice job on the pixs, the write-up and the replacement of the caps. Also the choice of the 105 degree caps is a real plus over the standard 85 degree caps.

73
Bob, K4TAX

----- Original Message -----
From: Jacques Paoli
To: orion565@yahoogroups.com
Sent: Monday, October 17, 2011 12:08 AM
Subject: [orion565] Fwd: O2 power on display

>
> it's only a possibility:
>
> http://www.n6ie.com/A9_Fix.html
>
> jacques
> tk1lg

[Non-text portions of this message have been removed]

7198. Re: [orion565] Fwd: O2 power on display

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-18 00:12:26 UTC
From: Richard
Topic: 7194 Message: 7198

I have a new II. Does it have upgraded caps or are they made the same as the old ones?

C. Richard Pumphrey

NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

On Oct 17, 2011, at 8:42 AM, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:

Nice job on the pixs, the write-up and the replacement of the caps. Also the choice of the 105 degree caps is a real plus over the standard 85 degree caps.

73
Bob, K4TAX

----- Original Message -----
From: Jacques Paoli
To: orion565@yahoogroups.com
Sent: Monday, October 17, 2011 12:08 AM
Subject: [orion565] Fwd: O2 power on display

>
> it's only a possibility:
>
> http://www.n6ie.com/A9_Fix.html
>
> jacques
> tk1lg

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[Non-text portions of this message have been removed]

7199. FTDX5000D First Impressions vs Orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-19 19:12:52 UTC
From: dxsteve2000
Topic: 7199 Message: 7199

FTDX5000D first impressions vs Orion 2 which I have owned for 4 years

1. The FTDX5000 has really nice knobs starting with the main tuning knob. It brought back memories of some of the main tuning knobs of the 60s. Having separate knobs for rf gain, power, if shift, noise reduction is great. I was glad that the rf power knob is not one of the smallest ones like the FT1000 MP. One knob does all belongs on a mobile or portable rigs not a $4000 transceiver. The Orion knobs are not the quality they need to be for a rig of that price range. I have heard others say the FTDX5000 has a luxury feel to it. I think they are right.
2. Noise reduction that really gets rid of white noise. It was almost a religious moment the first time I tried the noise reduction. The orion noise reduction is poor by comparison.
3. The noise blanker comes with narrow and wide modes and is also effective. The Orion hardware noise blanker worked well but the software one was largely ineffective.
4.The bandscope on the external SM5000 is fair. It is good for high signal levels and tends to show cw signals wider than they are. The Orion bandscope is very poor. Ten Tec promised a high speed sweep board 4 years ago and still have not delivered.
5. It has 6 meters. I used my FT 857D for 6 meters before I bought this rig. Six meters belongs on future Orions.
6. 200 watts even on 6 meters. This gives my AL1200 enough drive to easily put out full legal limit. It requires about 130 watts with the 3CX1200Z7. The 100 watts on the Orion got me about 1250 watts on most bands.
7. The real meter on the new rig doesn't pin at full power. What was Ten Tec thinking? I also like the other meter modes.
8. 9 MHz IF output is built in. I added an amplifier to the Orion to get the output. This is good for LP Pan and skimmer.
9.The cw variable audio peak filter is also valuable in conditions near the noise level. The Orion does not have this function.
10. The menu adjustments on the Orion are easier to navigate. I was surprised to see that the Yaesu AGC could be programmed similar to the Orion.
11.The dynamic range and IP3 of both rigs are excellent. Although the FTDX5000 is rated higher than the Orion both offer performance only seen in down conversion rigs.
12. Both rigs offer no ringing super narrow cw width adjustment. 50Hz on the FTDX 5000 and 100 Hz on the Orion. Both seem overstated by 50 Hz. Both rigs offer optional 300Hz roofing filters. Buy them. The Yaesu uses a 6 pole filter. The Orion 2 uses 4 poles.
13. The remote keypad that is included with the rig can run the voice keyer on the Yaesu that has more memory flexibility than the Orion. I used an external voice keyer before.

Is the FTDX5000 worth the extra money. Absolutely! I expect this radio will get market interest that rivals what the FT1000MP had. I hope that the folks at Ten Tec and Elecraft can regain their previously held number 1 positions. It is going to take more work on other features than dynamic range and IP3 to get my number 1 vote. Ten Tec is working on a dual down converting Orion that is suppose to come to market soon. This could give you some serious diversity reception capability. Without addressing most of the other issues mentioned above they can't move back into the number 1 position.

7200. Re: [orion565] FTDX5000D First Impressions vs Orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-19 19:48:09 UTC
From: Barry N1EU
Topic: 7199 Message: 7200

Since this IS the Orion reflector, allow me to throw my own biased 2 cents into the ring. I looked long and hard at the FT5000. It certainly seems to be a very fine radio. However, the reasons it won't supplant the Orion for me:

- FT-5000 without the outboard display option lacks simple numeric display of all the operating parameters simultaneously
- FT-5000's vastly inferior subreceiver with no ability to upgrade it (like the new Ten-Tec RX366)
- incredibly expensive, especially if you go for the u-Tuning units
- excessive amount of seemingly useless bells and whistles on the FT-5000 was off-putting

In full disclosure, I could care less about spectrum display, dsp NR, and 6M. Bandpass filtering is all the noise reduction I ever want a radio to do.

The FT-5000 really looks like a clone of the Orion architecturally, with a fancy Yaesu interface around it. I've got more respect for what Elecraft did to follow the Orion than what Yaesu did. And I got a whole lot more respect for Ten-Tec's achievement introducing the Orion in 2002.

In my eyes, the FT-5000 hasn't supplanted anybody's lead position in the market. I've long monitored the Ten-Tec and Elecraft reflectors and there's hardly even been mention of the FT-5000, ever. I consider the Orion/RX366 and K3 (dual rx) both superior to the FT-5000.

I'm sure it's a great radio, but I don't think this reflector is the place for its coronation.

73, Barry N1EU

On Wed, Oct 19, 2011 at 7:12 PM, dxsteve2000 <stevewr@hughes.net> wrote:

> **
>
>
> FTDX5000D first impressions vs Orion 2 which I have owned for 4 years
>
> 1. The FTDX5000 has really nice knobs starting with the main tuning knob.
> It brought back memories of some of the main tuning knobs of the 60s. Having
> separate knobs for rf gain, power, if shift, noise reduction is great. I was
> glad that the rf power knob is not one of the smallest ones like the FT1000
> MP. One knob does all belongs on a mobile or portable rigs not a $4000
> transceiver. The Orion knobs are not the quality they need to be for a rig
> of that price range. I have heard others say the FTDX5000 has a luxury feel
> to it. I think they are right.

> 2. Noise reduction that really gets rid of white noise. It was almost a
> religious moment the first time I tried the noise reduction. The orion noise
> reduction is poor by comparison.
> 3. The noise blanker comes with narrow and wide modes and is also
> effective. The Orion hardware noise blanker worked well but the software one
> was largely ineffective.
> 4.The bandscope on the external SM5000 is fair. It is good for high signal
> levels and tends to show cw signals wider than they are. The Orion bandscope
> is very poor. Ten Tec promised a high speed sweep board 4 years ago and
> still have not delivered.
> 5. It has 6 meters. I used my FT 857D for 6 meters before I bought this
> rig. Six meters belongs on future Orions.
> 6. 200 watts even on 6 meters. This gives my AL1200 enough drive to easily
> put out full legal limit. It requires about 130 watts with the 3CX1200Z7.
> The 100 watts on the Orion got me about 1250 watts on most bands.
> 7. The real meter on the new rig doesn't pin at full power. What was Ten
> Tec thinking? I also like the other meter modes.
> 8. 9 MHz IF output is built in. I added an amplifier to the Orion to get
> the output. This is good for LP Pan and skimmer.
> 9.The cw variable audio peak filter is also valuable in conditions near the
> noise level. The Orion does not have this function.
> 10. The menu adjustments on the Orion are easier to navigate. I was
> surprised to see that the Yaesu AGC could be programmed similar to the
> Orion.
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> FTDX5000 is rated higher than the Orion both offer performance only seen in
> down conversion rigs.
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> the FTDX 5000 and 100 Hz on the Orion. Both seem overstated by 50 Hz. Both
> rigs offer optional 300Hz roofing filters. Buy them. The Yaesu uses a 6 pole
> filter. The Orion 2 uses 4 poles.
> 13. The remote keypad that is included with the rig can run the voice keyer
> on the Yaesu that has more memory flexibility than the Orion. I used an
> external voice keyer before.
>
> Is the FTDX5000 worth the extra money. Absolutely! I expect this radio will
> get market interest that rivals what the FT1000MP had. I hope that the folks
> at Ten Tec and Elecraft can regain their previously held number 1 positions.
> It is going to take more work on other features than dynamic range and IP3
> to get my number 1 vote. Ten Tec is working on a dual down converting Orion
> that is suppose to come to market soon. This could give you some serious
> diversity reception capability. Without addressing most of the other issues
> mentioned above they can't move back into the number 1 position.
>
>
>

[Non-text portions of this message have been removed]

7201. RE: [orion565] FTDX5000D First Impressions vs Orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-19 20:01:16 UTC
From: George
Topic: 7199 Message: 7201

My 2 cents.

I bought the FT-5000 and found it to be a very nice rig although it was too complicated for my liking.

I also own a Orion-2, 566, and a Icom IC-7600 and like both of them as well.

The 200 watts out of the 5000 isn't what this station needs to drive my Ameritron AL-82 or my Ameritron ALS-1300 amps. One hundred watts is fine.

I would agree about the band scope on the original Orion 565. Not up to what I want in a bandscope rig but the 566 is adequate.

The 5000 did outperform the IC-7600 in contest conditions but I don't do contesting so it wasn't a consideration.

As for the 5000 band scope there is no comparison to the Icom 7600 and also no comparson to the Orion-2. I wouldn't suggest buying the FT-5000 for the band scope.

That was a poor option for Yaesu to add to the high grade 5000. They could have done better.

Now if you want the Yaesu DMU unit to go with the 5000 which I had a chance to see and use it is what I would expect in a band scope. Nice unit.

I sold the FT-5000 after trying it out because I guess it was just too much rig for my liking but it is a top notch rig.

The Orion-2 and Icom IC-7600 does this station very nicely.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of dxsteve2000
Sent: Wednesday, October 19, 2011 3:13 PM
To: orion565@yahoogroups.com
Subject: [orion565] FTDX5000D First Impressions vs Orion 2

FTDX5000D first impressions vs Orion 2 which I have owned for 4 years

1. The FTDX5000 has really nice knobs starting with the main tuning knob. It brought back memories of some of the main tuning knobs of the 60s. Having separate knobs for rf gain, power, if shift, noise reduction is great. I was glad that the rf power knob is not one of the smallest ones like the FT1000 MP. One knob does all belongs on a mobile or portable rigs not a $4000 transceiver. The Orion knobs are not the quality they need to be for a rig of that price range. I have heard others say the FTDX5000 has a luxury feel

to it. I think they are right.
2. Noise reduction that really gets rid of white noise. It was almost a religious moment the first time I tried the noise reduction. The orion noise reduction is poor by comparison.
3. The noise blanker comes with narrow and wide modes and is also effective. The Orion hardware noise blanker worked well but the software one was largely ineffective.
4.The bandscope on the external SM5000 is fair. It is good for high signal levels and tends to show cw signals wider than they are. The Orion bandscope is very poor. Ten Tec promised a high speed sweep board 4 years ago and still have not delivered.
5. It has 6 meters. I used my FT 857D for 6 meters before I bought this rig. Six meters belongs on future Orions.
6. 200 watts even on 6 meters. This gives my AL1200 enough drive to easily put out full legal limit. It requires about 130 watts with the 3CX1200Z7. The 100 watts on the Orion got me about 1250 watts on most bands.
7. The real meter on the new rig doesn't pin at full power. What was Ten Tec thinking? I also like the other meter modes.
8. 9 MHz IF output is built in. I added an amplifier to the Orion to get the output. This is good for LP Pan and skimmer.
9.The cw variable audio peak filter is also valuable in conditions near the noise level. The Orion does not have this function.
10. The menu adjustments on the Orion are easier to navigate. I was surprised to see that the Yaesu AGC could be programmed similar to the Orion.
11.The dynamic range and IP3 of both rigs are excellent. Although the FTDX5000 is rated higher than the Orion both offer performance only seen in down conversion rigs.
12. Both rigs offer no ringing super narrow cw width adjustment. 50Hz on the FTDX 5000 and 100 Hz on the Orion. Both seem overstated by 50 Hz. Both rigs offer optional 300Hz roofing filters. Buy them. The Yaesu uses a 6 pole filter. The Orion 2 uses 4 poles.
13. The remote keypad that is included with the rig can run the voice keyer on the Yaesu that has more memory flexibility than the Orion. I used an external voice keyer before.

Is the FTDX5000 worth the extra money. Absolutely! I expect this radio will get market interest that rivals what the FT1000MP had. I hope that the folks at Ten Tec and Elecraft can regain their previously held number 1 positions. It is going to take more work on other features than dynamic range and IP3 to get my number 1 vote. Ten Tec is working on a dual down converting Orion that is suppose to come to market soon. This could give you some serious diversity reception capability. Without addressing most of the other issues mentioned above they can't move back into the number 1 position.

[Non-text portions of this message have been removed]

7202. Re: [orion565] FTDX5000D First Impressions vs Orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-19 20:48:53 UTC
From: W3WW
Topic: 7199 Message: 7202

Barry,

I couldn’t of said it better myself. I have to agree 100% with your observations.

The FT5000 is no longer in the shack, but the Orion II is !!

73,

Don W3WW

[Non-text portions of this message have been removed]

7203. Re: FTDX5000D First Impressions vs Orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-19 21:15:35 UTC
From: floydsense
Topic: 7199 Message: 7203

I've owned the FTDX-5000 as well as the Orion II. In fact, I sold the 5000 to buy the Oroion II. At the risk of insulting 5000 owners, I'll say that the FTDX-5000 has, beyond a doubt, the WORST CW transmitter I've ever seen, and my experience goes back a half century. If you're a 5000 owner, PLEASE NEVER USE IT ON CW. Have a little bit of consideration for your fellow amateurs. No need to go into all the details and brief history here, but if you doubt my statement, please look at your CW waveforms in non-QSK mode (look for characteristics that cause clicks - you'll see them). In QSK mode, look at the relationship of dit length to spaces and dahs. In comparison, the Orion is PERFECT in all respects of the CW waveforms.

While the Orion II spectrum scope is indeed rather poor, when paired with an SDR-IQ running off the IF tap and SpectraVue, the resulting spectrum scope is simply the best there is. The SM-5000 scope for the FTDX-5000 is TERRIBLE, lacking in brightness and in every aspect.

If you never operate CW, then you may be well served by the FTDX-5000. But, there's still no way it's better than an Orion II.

And, yes, the ARRL review said that 5000s after the first or second run had the CW problems corrected, but that simply isn't the case. If you insist on buying one, make sure the store will take it back for a full refund after you check the CW waveforms.

73, Floyd - K8AC
--- In orion565@yahoogroups.com, "dxsteve2000" <stevewr@...> wrote:
>
> FTDX5000D first impressions vs Orion 2 which I have owned for 4 years
>
> 1. The FTDX5000 has really nice knobs starting with the main tuning knob. It brought back memories of some of the main tuning knobs of the 60s. Having separate knobs for rf gain, power, if shift, noise reduction is great. I was glad that the rf power knob is not one of the smallest ones like the FT1000 MP. One knob does all belongs on a mobile or portable rigs not a $4000 transceiver. The Orion knobs are not the quality they need to be for a rig of that price range. I have heard others say the FTDX5000 has a luxury feel to it. I think they are right.
> 2. Noise reduction that really gets rid of white noise. It was almost a religious moment the first time I tried the noise reduction. The orion noise reduction is poor by comparison.
> 3. The noise blanker comes with narrow and wide modes and is also effective. The Orion hardware noise blanker worked well but the software one was largely ineffective.
> 4.The bandscope on the external SM5000 is fair. It is good for high signal levels and tends to show cw signals wider than they are. The Orion bandscope is very poor. Ten Tec promised a high speed sweep board 4 years ago and still have not delivered.
> 5. It has 6 meters. I used my FT 857D for 6 meters before I bought this rig. Six meters belongs on future Orions.
> 6. 200 watts even on 6 meters. This gives my AL1200 enough drive to easily put out full legal limit. It requires about 130 watts with the 3CX1200Z7. The 100 watts on the Orion got me about 1250 watts on most bands.

> 7. The real meter on the new rig doesn't pin at full power. What was Ten Tec thinking? I also like the other meter modes.
> 8. 9 MHz IF output is built in. I added an amplifier to the Orion to get the output. This is good for LP Pan and skimmer.
> 9.The cw variable audio peak filter is also valuable in conditions near the noise level. The Orion does not have this function.
> 10. The menu adjustments on the Orion are easier to navigate. I was surprised to see that the Yaesu AGC could be programmed similar to the Orion.
> 11.The dynamic range and IP3 of both rigs are excellent. Although the FTDX5000 is rated higher than the Orion both offer performance only seen in down conversion rigs.
> 12. Both rigs offer no ringing super narrow cw width adjustment. 50Hz on the FTDX 5000 and 100 Hz on the Orion. Both seem overstated by 50 Hz. Both rigs offer optional 300Hz roofing filters. Buy them. The Yaesu uses a 6 pole filter. The Orion 2 uses 4 poles.
> 13. The remote keypad that is included with the rig can run the voice keyer on the Yaesu that has more memory flexibility than the Orion. I used an external voice keyer before.
>
> Is the FTDX5000 worth the extra money. Absolutely! I expect this radio will get market interest that rivals what the FT1000MP had. I hope that the folks at Ten Tec and Elecraft can regain their previously held number 1 positions. It is going to take more work on other features than dynamic range and IP3 to get my number 1 vote. Ten Tec is working on a dual down converting Orion that is suppose to come to market soon. This could give you some serious diversity reception capability. Without addressing most of the other issues mentioned above they can't move back into the number 1 position.
>

7205. Re: Fwd: O2 power on display

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-20 17:57:12 UTC
From: k1fpv
Topic: 7194 Message: 7205

More than likely, it has the new ones. I had the same issue some time back, called Ten-Tec and they sent me the new ones free of charge. My older Orion II still works like a champ!

Bill/K1FPV

--- In orion565@yahoogroups.com, Richard <wn9ddv@...> wrote:
>
> I have a new II. Does it have upgraded caps or are they made the same as the old ones?
>
> C. Richard Pumphrey
>
>
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>
>
>
>
>
>
> On Oct 17, 2011, at 8:42 AM, "Bob McGraw - K4TAX" <RMcGraw@...> wrote:
>
> Nice job on the pixs, the write-up and the replacement of the caps. Also the choice of the 105 degree caps is a real plus over the standard 85 degree caps.
>
> 73
> Bob, K4TAX
>
> ----- Original Message -----
> From: Jacques Paoli
> To: orion565@yahoogroups.com
> Sent: Monday, October 17, 2011 12:08 AM
> Subject: [orion565] Fwd: O2 power on display
>
> >
> > it's only a possibility:
> >
> > http://www.n6ie.com/A9_Fix.html
> >
> > jacques
> > tk1lg
>
> [Non-text portions of this message have been removed]

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>
> [Non-text portions of this message have been removed]
>

7206. FT 887 vs Orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-21 20:15:38 UTC
From: Richard
Topic: 7206 Message: 7206

I just, out of curiosity compared the II to my Yaesu Ft 897 D. There is no comparison to the II.
Audio on receive and transmit much better with Orion. I did not realize that there would be so great a difference.

C. Richard Pumphrey
Wn9ddv

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[Non-text portions of this message have been removed]

7207. Want to Trade: Inrad #353 250hz filter for TenTec #2002 300hz filter (Eagle/OII)

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-21 20:48:13 UTC
From: Barry N1EU
Topic: 7207 Message: 7207

I've got an Inrad #353 250hz roofing filter for the Orion II/Eagle and would like to work out a trade +/- cash for a Ten-Tec #2002 300hz roofing filter. Please email me directly if interested. The Inrad filter is as new and hardly used.

Thanks & 73,
Barry N1EU

7208. Orion I or Orion II and Remoterig

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-21 23:58:33 UTC
From: w4to
Topic: 7208 Message: 7208

Has anyone tryed using the Orion I or Orion II with Remoterig? Either with a radio on one end and software on the other end or a radio on each end.

Don...W4TO

7209. IPsound

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-22 00:00:11 UTC
From: w4to
Topic: 7209 Message: 7209

Has anyone been able to get IPsound running on a PC with a Windows 7 operating system?

Don...W4TO

7210. Speech processor - how well does it work for you?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-25 12:58:41 UTC
From: Barry N1EU
Topic: 7210 Message: 7210

I'd appreciate feedback from Orion users who do a fair amount of ssb contesting. I'm finding it impossible to get a combination of mic gain and SP that sounds like I want. Am I the only one? Does anyone have a secret formula to get it set "right"?

73, Barry N1EU

7211. Re: [orion565] Speech processor - how well does it work for you?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-25 15:27:13 UTC
From: Richard
Topic: 7210 Message: 7211

Mic gain 100%. Processing at 7. Using fancy ten tech mike. Get studio quality reports. No equalization.

C. Richard Pumphrey

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On Oct 25, 2011, at 7:58 AM, Barry N1EU <barry.n1eu@...> wrote:

I'd appreciate feedback from Orion users who do a fair amount of ssb
contesting. I'm finding it impossible to get a combination of mic
gain and SP that sounds like I want. Am I the only one? Does anyone
have a secret formula to get it set "right"?

73, Barry N1EU

[Non-text portions of this message have been removed]

7212. RE: [orion565] Speech processor - how well does it work for you?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-25 15:53:40 UTC
From: John Hudson
Topic: 7210 Message: 7212

I run my MIC at 27-30, SP at 7 and use Heil Pro Set 2. I use the DX element 100% of the time and for the last 3 months run 100 watts. I've been able to bust a few pileups with 100 watts and with my new STEPPIR but each time I have gotten EXCELLENT audio reports.

Good luck

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Richard
Sent: Tuesday, October 25, 2011 10:27 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Speech processor - how well does it work for you?

Mic gain 100%. Processing at 7. Using fancy ten tech mike. Get studio quality reports. No equalization.

C. Richard Pumphrey

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On Oct 25, 2011, at 7:58 AM, Barry N1EU <barry.n1eu@... <mailto:barry.n1eu%40gmail.com> > wrote:

I'd appreciate feedback from Orion users who do a fair amount of ssb
contesting. I'm finding it impossible to get a combination of mic
gain and SP that sounds like I want. Am I the only one? Does anyone
have a secret formula to get it set "right"?

73, Barry N1EU

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[Non-text portions of this message have been removed]

7213. Re: [orion565] Speech processor - how well does it work for you?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-25 16:56:37 UTC
From: Bill Engel K5DHY
Topic: 7210 Message: 7213

Barry,

I use a speech processor setting of 7, hardware mike gain (menus) of +5 dB, mic setting of 80-90, and TX equalizer of -15 dB for contesting. The mike is a Ten-Tec 777 headset. I sometimes set the equalizer to -20 dB to break a pileup.

I do not have an amplifier and have been quite successful at DX without one. Great radio!

Bill K5DHY

On 10/25/2011 7:58 AM, Barry N1EU wrote:
> I'd appreciate feedback from Orion users who do a fair amount of ssb
> contesting. I'm finding it impossible to get a combination of mic
> gain and SP that sounds like I want. Am I the only one? Does anyone
> have a secret formula to get it set "right"?
>
> 73, Barry N1EU
>
>

7214. Re: Speech processor - how well does it work for you?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-25 17:36:50 UTC
From: orion565-owner@yahoogroups.com
Topic: 7210 Message: 7214

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> I'd appreciate feedback from Orion users who do a fair amount of ssb
> contesting. I'm finding it impossible to get a combination of mic
> gain and SP that sounds like I want. Am I the only one? Does anyone
> have a secret formula to get it set "right"?
>
> 73, Barry N1EU
>
Hi Barry,

You can check the article on my website which explains the necessary adjustments for full 100 watt output and proper speech processing with the O2.

I believe the article is also in our groups file.

73 and Happy DXing,

Mike
W2AJI

7215. Re: [orion565] Re: Speech processor - how well does it work for you?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-25 17:45:33 UTC
From: Barry N1EU
Topic: 7210 Message: 7215

Thanks Mike, but your method depends on having an accurate PEP and average watt meter. I can manage the peak meter but not the average meter.

Appreciate all the responses.

73, Barry N1EU

On Tue, Oct 25, 2011 at 1:36 PM, <orion565-owner@yahoogroups.com> wrote:

> **
>
>
>
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
> >
> > I'd appreciate feedback from Orion users who do a fair amount of ssb
> > contesting. I'm finding it impossible to get a combination of mic
> > gain and SP that sounds like I want. Am I the only one? Does anyone
> > have a secret formula to get it set "right"?
> >
> > 73, Barry N1EU
> >
> Hi Barry,
>
> You can check the article on my website which explains the necessary
> adjustments for full 100 watt output and proper speech processing with the
> O2.
>
> I believe the article is also in our groups file.
>
> 73 and Happy DXing,
>
> Mike
> W2AJI
>
>
>

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7217. Re: [orion565] Speech processor - very different with AUX input

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-25 20:15:07 UTC
From: Barry N1EU
Topic: 7217 Message: 7217

Thanks for all the responses. I did some experimenting and came up with something surprising.

When I use the headset into the mic jack, SP works fine like you all reported.

When I turn on SP when using line in ("AUX") audio from an external mic preamp, it's a different story. SP is very difficult to get to work well.

73, Barry N1EU

On Tue, Oct 25, 2011 at 7:07 PM, <catfishtwo@...> wrote:

> **
>
>
> I checked and mine (original Orion) has the SP at either 4 or 5 when
> doing SSB contesting, and some times I run the volume all the way up and
> control the loudness with the rf gain.
>
> But most of the time I use the rf gain at 100 and control the loud with the
>
> main AF knob. Just play around till you find a sound you like. You may
> think it sounds like crap, but you can certainly pull out the weak ones.
>
> . Also I find that if you narrow the BW down to about 1800 cycles wide
> and then raise the PBT up about 400 cycles (you are listening to their
> voice
> from about 400 or 500 cycles to 2200 or 2300 cycles, the part of the voice
> with the most "information"). It sounds like every one is setting 2 k apart
>
> in nice order as you run up and down the band.
>
> For a run freq, remember to widen it up a bit so you can hear folks
> calling you off freq a little. works for me.
>
> Tom N6AJR
>
>
> In a message dated 10/25/2011 5:58:44 A.M. Pacific Daylight Time,
> barry.n1eu@... writes:
>
> I'd appreciate feedback from Orion users who do a fair amount of ssb
> contesting. I'm finding it impossible to get a combination of mic
> gain and SP that sounds like I want. Am I the only one? Does anyone
> have a secret formula to get it set "right"?

>
> 73, Barry N1EU
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> Yahoo! Groups Links
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7218. Re: [orion565] Speech processor - how well does it work for you?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-25 20:24:01 UTC
From: Barry N1EU
Topic: 7210 Message: 7218

On Tue, Oct 25, 2011 at 7:07 PM, <catfishtwo@...> wrote:

> **
>
> But most of the time I use the rf gain at 100 and control the loud with the
>
> main AF knob. Just play around till you find a sound you like. You may
> think it sounds like crap, but you can certainly pull out the weak ones.
>
> I like to keep the background noise level at a low level of audbility and
maximize the dynamic range of the dsp i.f., so I usually operate with RF
Gain in the 50-70 range with preamp off 160M-20M.

73, Barry N1EU

[Non-text portions of this message have been removed]

7219. Re: [orion565] Speech processor - very different with AUX input

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-25 21:32:24 UTC
From: Bob McGraw - K4TAX
Topic: 7217 Message: 7219

The issue of the external mike preamp is one where it is supplying a very different level than the headset connected to the front panel mike jack. Otherwise, when one changes levels from other sources and adjustments will be required. Seems all is normal to me. If you expect to bounce back and forth between two mikes or mike sources or mike input and Aux input then do expect to make significant changes to the Speech Processing value.

Adjusting the Speech Processor and Mike gain is a basic straight forward procedure. Do understand that your adjustment of hardware MIC gain value and DSP mike gain value will largely depend on the type mike you use and your mike technique, your voice volume and your proximity to the mike.

Here's how:
(a) Set the radio with the power control at the level you wish to operate, normally 100 watts.
(b) Be sure the Speech Processor is off at this point.
(c) Using your favorite mike and your normally warm, charming, voice, and speaking normally into the mike, adjust the MIC gain to produce the required but not excessive ALC action. The mike gain is now correct.
(d) Do not change the mike gain for the next step.
(e) Engage the Speech Processor and again speaking normally into the mike, adjust the Speech Processor value while observing the output meter on the radio.
You should see a 3 to 6 dB increase in power output. You should also see a bit more ALC action.
(f) That's it folks.

The speech processor raises the AVERAGE power by some 3 to 6 dB with normal processing. If you are seeing more than 3 to 6 dB increase then you may get comments relating to "over processed" audio or maybe audio lacking in dynamic range.

I know you've heard it, in listing to stations that are using excessive processing you are likely to hear ones breath as they inhale, their throat noises, gurgles, whistles through the dentures and nasal noises, along with the TV in the background, kids and XYL talking and such. None of which, in my opinion, will get a "great audio" report from me. Any of those noises will not contribute to "great audio".

On a normal analog power meter, a 100 watt radio operated with correct ALC level and without speech processing will typically deflect the meter to a value of 15 to 25 watts. Add Speech processing and the value should increase to about 35 to 60 watts. Keep in mind that the ballistics of the analog meter are slow and are not capable of showing actual peak power values. A true PEP meter has associated electronics that accelerate the upswing and hold the upper value to allow display of PEP values.

73
Bob, K4TAX

----- Original Message -----
From: Barry N1EU

To: orion565@yahoogroups.com
Sent: Tuesday, October 25, 2011 3:15 PM
Subject: Re: [orion565] Speech processor - very different with AUX input

Thanks for all the responses. I did some experimenting and came up with
something surprising.

When I use the headset into the mic jack, SP works fine like you all
reported.

When I turn on SP when using line in ("AUX") audio from an external mic
preamp, it's a different story. SP is very difficult to get to work well.

73, Barry N1EU

On Tue, Oct 25, 2011 at 7:07 PM, <catfishtwo@...> wrote:

> **
>
>
> I checked and mine (original Orion) has the SP at either 4 or 5 when
> doing SSB contesting, and some times I run the volume all the way up and
> control the loudness with the rf gain.
>
> But most of the time I use the rf gain at 100 and control the loud with the
>
> main AF knob. Just play around till you find a sound you like. You may
> think it sounds like crap, but you can certainly pull out the weak ones.
>
> . Also I find that if you narrow the BW down to about 1800 cycles wide
> and then raise the PBT up about 400 cycles (you are listening to their
> voice
> from about 400 or 500 cycles to 2200 or 2300 cycles, the part of the voice
> with the most "information"). It sounds like every one is setting 2 k apart
>
> in nice order as you run up and down the band.
>
> For a run freq, remember to widen it up a bit so you can hear folks
> calling you off freq a little. works for me.
>
> Tom N6AJR
>
>
> In a message dated 10/25/2011 5:58:44 A.M. Pacific Daylight Time,
> barry.n1eu@... writes:
>
> I'd appreciate feedback from Orion users who do a fair amount of ssb
> contesting. I'm finding it impossible to get a combination of mic
> gain and SP that sounds like I want. Am I the only one? Does anyone
> have a secret formula to get it set "right"?
>
> 73, Barry N1EU

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7220. Re: [orion565] Speech processor - very different with AUX input

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-25 23:13:56 UTC
From: Barry N1EU
Topic: 7217 Message: 7220

Just a follow up to SP with AUX audio source. When I filtered out all the bass <250hz for the AUX audio, SP worked well. So that is where the incompatibility was all along.

Thanks again for all the help. Ready to rock 'n roll for this weekend's contest with SP7, 2100hz TX BW, 300hz LF roll off. I'm using Heil headset feeding mic audio and N1MM soundcard voice keyer feeding AUX audio through Behringer MX802 mixer (Orion TX Audio Source at "BOTH"). It's all sounding great as I listen in a second rx.

73, Barry N1EU

On Tue, Oct 25, 2011 at 8:15 PM, Barry N1EU <barry.n1eu@...> wrote:

> Thanks for all the responses. I did some experimenting and came up with
> something surprising.
>
> When I use the headset into the mic jack, SP works fine like you all
> reported.
>
> When I turn on SP when using line in ("AUX") audio from an external mic
> preamp, it's a different story. SP is very difficult to get to work well.
>
> 73, Barry N1EU
>
> On Tue, Oct 25, 2011 at 7:07 PM, <catfishtwo@...> wrote:
>
>> **
>>
>>
>> I checked and mine (original Orion) has the SP at either 4 or 5 when
>> doing SSB contesting, and some times I run the volume all the way up and
>> control the loudness with the rf gain.
>>
>> But most of the time I use the rf gain at 100 and control the loud with
>> the
>> main AF knob. Just play around till you find a sound you like. You may
>> think it sounds like crap, but you can certainly pull out the weak ones.
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>> . Also I find that if you narrow the BW down to about 1800 cycles wide
>> and then raise the PBT up about 400 cycles (you are listening to their
>> voice
>> from about 400 or 500 cycles to 2200 or 2300 cycles, the part of the voice
>>
>> with the most "information"). It sounds like every one is setting 2 k
>> apart

>> in nice order as you run up and down the band.
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>> For a run freq, remember to widen it up a bit so you can hear folks
>> calling you off freq a little. works for me.
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>> Tom N6AJR
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>> In a message dated 10/25/2011 5:58:44 A.M. Pacific Daylight Time,
>> barry.n1eu@... writes:
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>> I'd appreciate feedback from Orion users who do a fair amount of ssb
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>> have a secret formula to get it set "right"?
>>
>> 73, Barry N1EU
>>
>> ------------------------------------
>>
>> Yahoo! Groups Links
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>> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7221. Orion 566 packet spot CW & SSB correct filter?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-27 12:05:55 UTC
From: George
Topic: 7221 Message: 7221

I have my Orion II connected to my computer and it is working fine except when I click on a CW packet spot the O2 goes to CW and 2200hz filter. Also if I click on a SSB spot the O2 will go to SSB with a filter width of 500Hz? Hard to make out the words, hi. These are only a few examples. Basically, it’s a crap shoot what I get when I click on a spot for filter width.

Is there a way to convince the O2 when clicking on a SSB spot to go to 2200Hz or CW 500Hz?

I use the packet cluster for DX and this is annoying.

Thanks.

George W2YJ

[Non-text portions of this message have been removed]

7222. Mike Mc 60

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-27 18:52:22 UTC
From: Filippo Verlezza
Topic: 7222 Message: 7222

Anyone had some experience with mike mc60 kenwood and Orion 1?
Which setup for mike amplifier and SP?

Thanks

Filippo

Inviato da iPad

7223. Speech processor - 10M anomaly

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-27 21:21:15 UTC
From: N1EU
Topic: 7217 Message: 7223

I've generally been successful getting the speech processor adjusted following my previous postings and the informative responses.

However, I discovered a problem on 10M SSB with SP. Once again, I'd appreciate hearing whether anyone else is seeing this. ONLY on 10M, I can't get close to max power output when I engage SP - even with audio/mic gain to the max. If I turn off SP, I get max output on 10M. If I change to any lower band, I get max output with SP.

Anybody else notice a significant fall off in power output only on 10M when SP is engaged?

Thanks & 73,
Barry N1EU

7224. Re: [orion565] Orion 566 packet spot CW & SSB correct filter?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-27 21:54:51 UTC
From: Don Prater
Topic: 7221 Message: 7224

George,
I have been running the Orion II remote for years and no problem. One thing you failed to mention is what software are you using to control the Orion II? The best product that I am aware of is the N4PY software. You can find it at n4py.com

73
Don W4TO

From: George
Sent: Thursday, October 27, 2011 8:05 AM
To: orion565@yahoogroups.com
Subject: [orion565] Orion 566 packet spot CW & SSB correct filter?

I have my Orion II connected to my computer and it is working fine except when I click on a CW packet spot the O2 goes to CW and 2200hz filter. Also if I click on a SSB spot the O2 will go to SSB with a filter width of 500Hz? Hard to make out the words, hi. These are only a few examples. Basically, it’s a crap shoot what I get when I click on a spot for filter width.

Is there a way to convince the O2 when clicking on a SSB spot to go to 2200Hz or CW 500Hz?

I use the packet cluster for DX and this is annoying.

Thanks.

George W2YJ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7225. RE: [orion565] Orion 566 packet spot CW & SSB correct filter?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-28 00:27:16 UTC
From: George
Topic: 7221 Message: 7225

I’m sorry I should have mentioned that I use DX4WIN as my software with the ORION rig file.

George W2YJ

From: orion565@...m [mailto:orion565@yahoogroups.com] On Behalf Of Don Prater
Sent: Thursday, October 27, 2011 5:55 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion 566 packet spot CW & SSB correct filter?

George,
I have been running the Orion II remote for years and no problem. One thing you failed to mention is what software are you using to control the Orion II? The best product that I am aware of is the N4PY software. You can find it at n4py.com

73
Don W4TO

From: George
Sent: Thursday, October 27, 2011 8:05 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] Orion 566 packet spot CW & SSB correct filter?

I have my Orion II connected to my computer and it is working fine except when I click on a CW packet spot the O2 goes to CW and 2200hz filter. Also if I click on a SSB spot the O2 will go to SSB with a filter width of 500Hz? Hard to make out the words, hi. These are only a few examples. Basically, it’s a crap shoot what I get when I click on a spot for filter width.

Is there a way to convince the O2 when clicking on a SSB spot to go to 2200Hz or CW 500Hz?

I use the packet cluster for DX and this is annoying.

Thanks.

George W2YJ

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7226. Re: [orion565] Speech processor - 10M anomaly

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-28 01:39:09 UTC
From: Robert Mcgraw
Topic: 7217 Message: 7226

Sounds like RFI otherwise, RF getting into the audio, appearing as
"signal" which is controlled by the SP.

Does it do it on a dummy load? If not then sure bet it's RFI.

73
Bob, K4TAX

> I've generally been successful getting the speech processor adjusted
> following my previous postings and the informative responses.
>
> However, I discovered a problem on 10M SSB with SP. Once again, I'd
> appreciate hearing whether anyone else is seeing this. ONLY on 10M, I
> can't get close to max power output when I engage SP - even with
> audio/mic gain to the max. If I turn off SP, I get max output on 10M.
> If I change to any lower band, I get max output with SP.
>
> Anybody else notice a significant fall off in power output only on 10M
> when SP is engaged?
>
> Thanks & 73,
> Barry N1EU
>
>

7227. Re: [orion565] Speech processor - 10M anomaly

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-28 08:51:01 UTC
From: Barry N1EU
Topic: 7217 Message: 7227

This was done entirely into a dummy load on all bands. Not RFI.

On Fri, Oct 28, 2011 at 1:39 AM, Robert Mcgraw <RMcGraw@...> wrote:

> **
>
>
> Sounds like RFI otherwise, RF getting into the audio, appearing as
> "signal" which is controlled by the SP.
>
> Does it do it on a dummy load? If not then sure bet it's RFI.
>
> 73
> Bob, K4TAX
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>
> > I've generally been successful getting the speech processor adjusted
> > following my previous postings and the informative responses.
> >
> > However, I discovered a problem on 10M SSB with SP. Once again, I'd
> > appreciate hearing whether anyone else is seeing this. ONLY on 10M, I
> > can't get close to max power output when I engage SP - even with
> > audio/mic gain to the max. If I turn off SP, I get max output on 10M.
> > If I change to any lower band, I get max output with SP.
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> > Anybody else notice a significant fall off in power output only on 10M
> > when SP is engaged?
> >
> > Thanks & 73,
> > Barry N1EU
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[Non-text portions of this message have been removed]

7228. Re: [orion565] Speech processor - 10M anomaly

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-28 14:08:54 UTC
From: Robert Mcgraw
Topic: 7217 Message: 7228

Process of elimination would then ask, will the radio reach rated output with the SP off? It should with normal mike gain adjustment. Activating the SP should only increase average level and therefore not have any effect on peak level.

Now if the radio does not reach rated output with the SP off, otherwise with normal mike gain, then one might suspect an issue with mixer injection relating to the 10M band. Also, transmit EQ can have effects in this area as well. I suggest setting transmit EQ to 0 or otherwise not use TX EQ for determining what is taking place.

We have to presume that the radio does deliver 100 watts or so on 10M in the CW mode. If not, then there's other areas that should be explored.

73
Bob, K4TAX

> This was done entirely into a dummy load on all bands. Not RFI.
>
> On Fri, Oct 28, 2011 at 1:39 AM, Robert Mcgraw <RMcGraw@...>
> wrote:
>
>> **
>>
>>
>> Sounds like RFI otherwise, RF getting into the audio, appearing as
>> "signal" which is controlled by the SP.
>>
>> Does it do it on a dummy load? If not then sure bet it's RFI.
>>
>> 73
>> Bob, K4TAX
>>
>>
>> > I've generally been successful getting the speech processor adjusted
>> > following my previous postings and the informative responses.
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>> > However, I discovered a problem on 10M SSB with SP. Once again, I'd
>> > appreciate hearing whether anyone else is seeing this. ONLY on 10M, I
>> > can't get close to max power output when I engage SP - even with
>> > audio/mic gain to the max. If I turn off SP, I get max output on 10M.
>> > If I change to any lower band, I get max output with SP.
>> >
>> > Anybody else notice a significant fall off in power output only on
>> 10M
>> > when SP is engaged?

>> >
>> > Thanks & 73,
>> > Barry N1EU
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7229. Re: [orion565] Speech processor - 10M anomaly

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-28 14:15:18 UTC
From: Barry N1EU
Topic: 7217 Message: 7229

I just spoke with Paul at the factory. It is normal behavior for Orions to show a fall off in power output on 10M ssb. Mic gain and SP value have to be increased on 10M. I just don't remember ever seeing mention of this before.

I found that I had to increase mic gain from 10 to 34 when changing bands 20M to 10M (SP off). And when SP is engaged, I used SP5 on 20M and now had to use SP8 on 10M to see good ALC action. Unfortunately, the resulting 10M tx audio sounded distorted with these settings when monitored in a second rx (20M audio sounded good).

73, Barry N1EU

On Fri, Oct 28, 2011 at 10:08 AM, Robert Mcgraw <RMcGraw@...> wrote:

> **
>
>
> Process of elimination would then ask, will the radio reach rated output
> with the SP off? It should with normal mike gain adjustment. Activating
> the SP should only increase average level and therefore not have any
> effect on peak level.
>
> Now if the radio does not reach rated output with the SP off, otherwise
> with normal mike gain, then one might suspect an issue with mixer
> injection relating to the 10M band. Also, transmit EQ can have effects
> in this area as well. I suggest setting transmit EQ to 0 or otherwise
> not use TX EQ for determining what is taking place.
>
> We have to presume that the radio does deliver 100 watts or so on 10M in
> the CW mode. If not, then there's other areas that should be explored.
>
> 73
> Bob, K4TAX
>
>
> > This was done entirely into a dummy load on all bands. Not RFI.
> >
> > On Fri, Oct 28, 2011 at 1:39 AM, Robert Mcgraw <RMcGraw@...>
> > wrote:
> >
> >> **
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> >>
> >>
> >> Sounds like RFI otherwise, RF getting into the audio, appearing as

> >> "signal" which is controlled by the SP.
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> >> Does it do it on a dummy load? If not then sure bet it's RFI.
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> >> 73
> >> Bob, K4TAX
> >>
> >>
> >> > I've generally been successful getting the speech processor adjusted
> >> > following my previous postings and the informative responses.
> >> >
> >> > However, I discovered a problem on 10M SSB with SP. Once again, I'd
> >> > appreciate hearing whether anyone else is seeing this. ONLY on 10M, I
> >> > can't get close to max power output when I engage SP - even with
> >> > audio/mic gain to the max. If I turn off SP, I get max output on 10M.
> >> > If I change to any lower band, I get max output with SP.
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> >> > Anybody else notice a significant fall off in power output only on
> >> 10M
> >> > when SP is engaged?
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> >> > Thanks & 73,
> >> > Barry N1EU
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7231. Re: [orion565] Speech processor - 10M anomaly

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-28 17:49:41 UTC
From: Robert Mcgraw
Topic: 7217 Message: 7231

With SP at 8 frankly I would expect to hear very compressed audio, likely bordering on distortion.

Again I go to the point of power on CW, does the radio make 100 watts on 10M? And it should reach that value on SSB with the SP off. Agreed, mike gain will likely need to be increased.

I urge setting the mike gain with the SP off such that one gets the correct ALC action. Then engage and adjust the SP to get an increase in average level. You should observe a bit more ALC action under this condition.

If the radio doesn't produce 100 watts on 10M CW then it won't produce 100 watts on SSB.

> I just spoke with Paul at the factory. It is normal behavior for Orions
> to
> show a fall off in power output on 10M ssb. Mic gain and SP value have
> to
> be increased on 10M. I just don't remember ever seeing mention of this
> before.
>
> I found that I had to increase mic gain from 10 to 34 when changing bands
> 20M to 10M (SP off). And when SP is engaged, I used SP5 on 20M and now
> had
> to use SP8 on 10M to see good ALC action. Unfortunately, the resulting
> 10M
> tx audio sounded distorted with these settings when monitored in a second
> rx
> (20M audio sounded good).
>
> 73, Barry N1EU
>
> On Fri, Oct 28, 2011 at 10:08 AM, Robert Mcgraw <RMcGraw@...>
> wrote:
>
>> **
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>>
>> Process of elimination would then ask, will the radio reach rated
>> output
>> with the SP off? It should with normal mike gain adjustment. Activating
>> the SP should only increase average level and therefore not have any
>> effect on peak level.
>>
>> Now if the radio does not reach rated output with the SP off, otherwise

>> with normal mike gain, then one might suspect an issue with mixer
>> injection relating to the 10M band. Also, transmit EQ can have effects
>> in this area as well. I suggest setting transmit EQ to 0 or otherwise
>> not use TX EQ for determining what is taking place.
>>
>> We have to presume that the radio does deliver 100 watts or so on 10M
>> in
>> the CW mode. If not, then there's other areas that should be explored.
>>
>> 73
>> Bob, K4TAX
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>> > This was done entirely into a dummy load on all bands. Not RFI.
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>> > On Fri, Oct 28, 2011 at 1:39 AM, Robert Mcgraw <RMcGraw@...>
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>> >> Sounds like RFI otherwise, RF getting into the audio, appearing as
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>> >> Does it do it on a dummy load? If not then sure bet it's RFI.
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>> >> 73
>> >> Bob, K4TAX
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>> >>
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>> >> > appreciate hearing whether anyone else is seeing this. ONLY on
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>> >> > Anybody else notice a significant fall off in power output only on
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>> >> > when SP is engaged?
>> >> >
>> >> > Thanks & 73,
>> >> > Barry N1EU

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7232. Re: [orion565] Speech processor - 10M anomaly

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-28 18:05:00 UTC
From: Barry N1EU
Topic: 7217 Message: 7232

The cw power output behavior on 10M is the same (good) as other bands.

As I said in my last message, "It is normal behavior for Orions to show a fall off in power output on 10M ssb. Mic gain and SP value have to be increased on 10M." That's what the factory told me.

On Fri, Oct 28, 2011 at 5:49 PM, Robert Mcgraw <RMcGraw@...> wrote:

> **
>
>
> With SP at 8 frankly I would expect to hear very compressed audio, likely
> bordering on distortion.
>
> Again I go to the point of power on CW, does the radio make 100 watts on
> 10M? And it should reach that value on SSB with the SP off. Agreed,
> mike gain will likely need to be increased.
>
> I urge setting the mike gain with the SP off such that one gets the
> correct ALC action. Then engage and adjust the SP to get an increase in
> average level. You should observe a bit more ALC action under this
> condition.
>
> If the radio doesn't produce 100 watts on 10M CW then it won't produce
> 100 watts on SSB.
>
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> > I just spoke with Paul at the factory. It is normal behavior for Orions
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> > show a fall off in power output on 10M ssb. Mic gain and SP value have
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> > be increased on 10M. I just don't remember ever seeing mention of this
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> > I found that I had to increase mic gain from 10 to 34 when changing bands
> > 20M to 10M (SP off). And when SP is engaged, I used SP5 on 20M and now
> > had
> > to use SP8 on 10M to see good ALC action. Unfortunately, the resulting
> > 10M
> > tx audio sounded distorted with these settings when monitored in a second
> > rx
> > (20M audio sounded good).
> >
> > 73, Barry N1EU
> >
> > On Fri, Oct 28, 2011 at 10:08 AM, Robert Mcgraw <RMcGraw@...>

> > wrote:
> >
> >> **
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> >>
> >> Process of elimination would then ask, will the radio reach rated
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> >> with the SP off? It should with normal mike gain adjustment. Activating
> >> the SP should only increase average level and therefore not have any
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> >> not use TX EQ for determining what is taking place.
> >>
> >> We have to presume that the radio does deliver 100 watts or so on 10M
> >> in
> >> the CW mode. If not, then there's other areas that should be explored.
> >>
> >> 73
> >> Bob, K4TAX
> >>
> >>
> >> > This was done entirely into a dummy load on all bands. Not RFI.
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> >> > On Fri, Oct 28, 2011 at 1:39 AM, Robert Mcgraw <RMcGraw@blomand.net>
> >> > wrote:
> >> >
> >> >> **
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> >> >>
> >> >>
> >> >> Sounds like RFI otherwise, RF getting into the audio, appearing as
> >> >> "signal" which is controlled by the SP.
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> >> >> Does it do it on a dummy load? If not then sure bet it's RFI.
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> >> >> > audio/mic gain to the max. If I turn off SP, I get max output on
> >> 10M.
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> >> >> > Anybody else notice a significant fall off in power output only on
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7233. Re: [orion565] Speech processor - 10M anomaly

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-28 18:29:38 UTC
From: Dyarnes
Topic: 7217 Message: 7233

I don’t think it’s all that uncommon for a lot of radios to balk a bit at higher frequencies like this. Usually, though, it just means bumping up the drive a bit. Not sure I’ve heard of having to add speech processing to attain rated power though. Maybe that’s more common than I realize—I’m a CW guy anyway. Hi. Still, if you only get 90 watts or so at that freq., who’s going to know—except you and your meter!

Dave W7AQK

From: Robert Mcgraw
Sent: Friday, October 28, 2011 10:49 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Speech processor - 10M anomaly

With SP at 8 frankly I would expect to hear very compressed audio, likely bordering on distortion.

Again I go to the point of power on CW, does the radio make 100 watts on 10M? And it should reach that value on SSB with the SP off. Agreed, mike gain will likely need to be increased.

I urge setting the mike gain with the SP off such that one gets the correct ALC action. Then engage and adjust the SP to get an increase in average level. You should observe a bit more ALC action under this condition.

If the radio doesn't produce 100 watts on 10M CW then it won't produce 100 watts on SSB.

> I just spoke with Paul at the factory. It is normal behavior for Orions
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> be increased on 10M. I just don't remember ever seeing mention of this
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> I found that I had to increase mic gain from 10 to 34 when changing bands
> 20M to 10M (SP off). And when SP is engaged, I used SP5 on 20M and now
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> to use SP8 on 10M to see good ALC action. Unfortunately, the resulting
> 10M
> tx audio sounded distorted with these settings when monitored in a second
> rx
> (20M audio sounded good).
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> 73, Barry N1EU
>
> On Fri, Oct 28, 2011 at 10:08 AM, Robert Mcgraw <mailto:RMcGraw%40blomand.net>

> wrote:
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>> Process of elimination would then ask, will the radio reach rated
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>> Now if the radio does not reach rated output with the SP off, otherwise
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>> the CW mode. If not, then there's other areas that should be explored.
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>> Bob, K4TAX
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>> > This was done entirely into a dummy load on all bands. Not RFI.
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>> > On Fri, Oct 28, 2011 at 1:39 AM, Robert Mcgraw <mailto:RMcGraw%40blomand.net>
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>> >> > Thanks & 73,
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Email scanned by PC Tools - No viruses or spyware found.
(Email Guard: 7.0.0.27, Virus/Spyware Database: 6.18610)
http://www.pctools.com
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Email scanned by PC Tools - No viruses or spyware found.
(Email Guard: 7.0.0.27, Virus/Spyware Database: 6.18610)
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7234. SignaLink USB for sale $50

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-28 20:40:04 UTC
From: ko0q_gary
Topic: 7234 Message: 7234

I changed my digital interface to a Microham Microkeyer II and as such I have my SignalLink USB with an Orion II cable for sale. The cable connects the SignaLink USB to the accessory port on the Orion II.

Included is the SignaLink USB, Orion II cable, and USB cable. I don't have the printed manual or software disk as I just go to their site and get the newest editions. Cost is $50 shipped to Continental USA via PayPal or USPS Money Order.

Gary KO0Q

7235. 566 block diagram with connector info

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-29 13:52:32 UTC
From: k5ux@rocketmail.com
Topic: 7235 Message: 7235

Does anyone know where I can get a block diagram indicating cable connections between boards. I recently replaced the front panel on my O2 and found there was one TMP connector (I think J17) that didn't have anything connected to it.....I don't remember what the designation was and have tried to locate it via the schematics, but it appears harder than I thought. The front panel replacement went very well and took approx. 2 hours and everything worked as it should when I put everything back together. I'll be glad to share some of the issues I ran into when replacing the panel.

Mike
K5UX

7236. 566 AT for Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-29 18:58:04 UTC
From: oreradioguy
Topic: 7236 Message: 7236

Orion ll AT fully loaded with all options. $2995 contact off list

7237. 566 AT for Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2011-10-29 18:59:27 UTC
From: oreradioguy
Topic: 7236 Message: 7237

Orion ll AT fully loaded with all options. $2995 contact off list

7239. orion2 can't properly select RTTY

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-04 19:35:03 UTC
From: George
Topic: 7239 Message: 7239

My O2 cannot properly go to the RTTY mode when I click on a DX spot that is indicating RTTY. My O2 goes to USB and 2400hz band width.

I'm using DX4WIN logging program to control the O2.

Anyone else notice this?

George W2YJ

[Non-text portions of this message have been removed]

7240. Re: orion2 can't properly select RTTY

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-05 00:27:00 UTC
From: floydsense
Topic: 7239 Message: 7240

Is there somewhere in DX4WIN where you can specify that you are using FSK or AFSK? How about in the RTTY program you're using? I never use AFSK with my Orion II, but I suppose that USB is the correct mode if you are. In my case, I'm using WinWarbler (part of DXLab suite) for RTTY and it uses MMTTY as the RTTY front-end. In MMTTY, you specify whether you're using FSK or AFSK. Then in WinWarbler, you further specify the mode as USB or LSB if using AFSK. You're situation will be a bit different, but the idea is the same.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "George" <goofyham@...> wrote:
>
> My O2 cannot properly go to the RTTY mode when I click on a DX spot that is
> indicating RTTY. My O2 goes to USB and 2400hz band width.
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> I'm using DX4WIN logging program to control the O2.
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> Anyone else notice this?
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> George W2YJ
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7241. Re: [orion565] Re: orion2 can't properly select RTTY

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-05 01:01:14 UTC
From: Mike, K9UW
Topic: 7239 Message: 7241

George, does DX4WIN select the rig's mode based on the frequency of the spot? If the RTTY station is outside of the usual frequencies, or if your mode selection file in DX4WIN has been modified, you'd experience the results you're reporting.

73, de Mike, K9UW
Amherst, WI

On 11/4/2011 7:27 PM, floydsense wrote:
>
> Is there somewhere in DX4WIN where you can specify that you are using
> FSK or AFSK? How about in the RTTY program you're using? I never use
> AFSK with my Orion II, but I suppose that USB is the correct mode if
> you are. In my case, I'm using WinWarbler (part of DXLab suite) for
> RTTY and it uses MMTTY as the RTTY front-end. In MMTTY, you specify
> whether you're using FSK or AFSK. Then in WinWarbler, you further
> specify the mode as USB or LSB if using AFSK. You're situation will be
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> 73, Floyd - K8AC
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7242. Leaving group and sold Ten Tec Orion ll

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-05 11:30:20 UTC
From: oreradioguy
Topic: 7242 Message: 7242

i will be leaving this group. After several years of ownership of My Orion ll and my Elecraft K line, I have parted with my Orion ll. Service, support by the manufacture and quality of final product in my opinion have proven over time that Elecraft gets my vote. I will be ordering another Elecraft radio soon and never look back. Its been fun, just not real fun!

7243. RE: [orion565] Leaving group and sold Ten Tec Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-05 12:22:06 UTC
From: George
Topic: 7242 Message: 7243

Sounds like sour grapes to me?

I've always gotten excellent service from Ten Tec. Thanks goodness for the Ten Tec line of transceivers and ham items.

As for the Elecraft K3, I've owned one and it is a very good product.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of oreradioguy
Sent: Saturday, November 05, 2011 7:30 AM
To: orion565@yahoogroups.com
Subject: [orion565] Leaving group and sold Ten Tec Orion ll

i will be leaving this group. After several years of ownership of My Orion ll and my Elecraft K line, I have parted with my Orion ll. Service, support by the manufacture and quality of final product in my opinion have proven over time that Elecraft gets my vote. I will be ordering another Elecraft radio soon and never look back. Its been fun, just not real fun!

[Non-text portions of this message have been removed]

7244. RE: [orion565] Re: orion2 can't properly select RTTY

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-05 12:32:00 UTC
From: George
Topic: 7239 Message: 7244

Mike;

I triple checked the CW cut-off frequency in the DX4WIN Preferences, QSO tab and they are correct. It does the same thing for PSK31. It always goes to USB every time I click on a spot and the word RTTY or PSK31 is in the notes section of the spot.

All else seems to work fine, frequency and mode, CW or USB and split just as long as there is no RTTY or PSK in the notes area.

DX4WIN is looking at these modes as USB???

Intuition tells me that the RIG file would have something to do with this.

I have an Icom IC-7600 and it works fine for mode and frequency for RTTY and PSK.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Mike, K9UW
Sent: Friday, November 04, 2011 9:01 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: orion2 can't properly select RTTY

George, does DX4WIN select the rig's mode based on the frequency of the spot? If the RTTY station is outside of the usual frequencies, or if your mode selection file in DX4WIN has been modified, you'd experience the results you're reporting.

73, de Mike, K9UW
Amherst, WI

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> whether you're using FSK or AFSK. Then in WinWarbler, you further
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> 73, Floyd - K8AC
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> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

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7245. RE: [orion565] Re: orion2 can't properly select RTTY

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-05 12:35:12 UTC
From: George
Topic: 7239 Message: 7245

Interesting reply Floyd. I never gave AFSK a thought? I never use AFSK so maybe what you are telling me that USB is the proper mode for a RTTY spot click?

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of floydsense
Sent: Friday, November 04, 2011 8:27 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: orion2 can't properly select RTTY

Is there somewhere in DX4WIN where you can specify that you are using FSK or AFSK? How about in the RTTY program you're using? I never use AFSK with my Orion II, but I suppose that USB is the correct mode if you are. In my case, I'm using WinWarbler (part of DXLab suite) for RTTY and it uses MMTTY as the RTTY front-end. In MMTTY, you specify whether you're using FSK or AFSK. Then in WinWarbler, you further specify the mode as USB or LSB if using AFSK. You're situation will be a bit different, but the idea is the same.

73, Floyd - K8AC

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7247. Re: orion2 can't properly select RTTY

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-05 13:06:30 UTC
From: wb2rhm
Topic: 7239 Message: 7247

FYI---

LSB is the standard for AFSK transmission. It makes your Mark and Space signals come out 'right side up' for everyone trying to decode your message.

73, Ben - WB2RHM
--- In orion565@yahoogroups.com, "George" <goofyham@...> wrote:
>
> Interesting reply Floyd. I never gave AFSK a thought? I never use AFSK so
> maybe what you are telling me that USB is the proper mode for a RTTY spot
> click?
>
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>
> George W2YJ
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>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of floydsense
> Sent: Friday, November 04, 2011 8:27 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: orion2 can't properly select RTTY
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> You're situation will be a bit different, but the idea is the same.
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> 73, Floyd - K8AC
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7248. Re: [orion565] Leaving group and sold Ten Tec Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-05 13:27:27 UTC
From: Dyarnes
Topic: 7242 Message: 7248

Hi All,

I don't know if it's really "sour grapes" or not, but the original post was perhaps suggestive of a somewhat negative view. I'm not sure why the post was really necessary, but maybe this one isn't either! I just feel compelled to defend Ten-Tec a bit, in spite of the fact that I too have defected to Elecraft.

The last two years or so are the first in over 40 years that Ten-Tec has not been my "main radio". Over that period of time I owned, and truly enjoyed, a series of very fine products from Ten-Tec. The last was an Orion II. There were a series of other "Omni's and Corsairs in between.

For me, the K3 is a better choice. It won't be a better choice for many. It certainly wasn't Ten-Tec service that led me to switch, although I think Elecraft has set an even higher standard than even Ten-Tec provides. Nonetheless, I believe anyone with a Ten-Tec radio will be well taken care of by Ten-Tec. In my view, Ten-Tec wrote the book on customer care, and Elecraft just adopted it and has improved on it.

I had preferential reasons for opting for the K3. The Orion II was/is a very fine radio, but Elecraft has worked very hard to make the K3 a better one—at least in the opinion of a lot of folks. Furthermore, they have continually improved the radio, while Ten-Tec sort of let the ball drop for a while with the Orions. The return of Jack Henry may have alleviated this somewhat, but some things I didn't like about the Orion just couldn't be changed by upgrades. Like I said, though, it's mostly personal preference.

Right now I think Elecraft is, by far, the more aggressive of the two companies in terms of product development. What's most impressive is the way they keep tweaking their products with easily adopted firmware upgrades. The new KX3 looks like it will be a smash hit. The K3 has proven itself to be a winner, and the "K Line" shows strong possibilities of becoming a classic somewhat akin to the Collins S line and Drake C lines. I also have the KPA500, and it's a crackerjack amp! The P3, although outboard, certainly runs circles around Ten-Tec's attempts at a bandscope. In my view, the bandscopes on the early Orions were not worth very much. I don't know if they have improved much.

Obviously I favor Elecraft. However, I certainly would not ignore any new offering from Ten-Tec. They make very good products, and they take care of their customers. It all depends on what features you want most, and which product suits you better. A Ten-Tec may be nearly perfect for you. The truth is that there is a lot to choose from out there. Half the banter on many of the reflectors is along the lines of "I wish this radio had this feature like brand X does"! That will never change.

Dave W7AQK

From: George
Sent: Saturday, November 05, 2011 5:22 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Leaving group and sold Ten Tec Orion ll

Sounds like sour grapes to me?

I've always gotten excellent service from Ten Tec. Thanks goodness for the
Ten Tec line of transceivers and ham items.

As for the Elecraft K3, I've owned one and it is a very good product.

George W2YJ

From: mailto:orion565%40yahoogroups.com [mailto:mailto:orion565%40yahoogroups.com] On
Behalf
Of oreradioguy
Sent: Saturday, November 05, 2011 7:30 AM
To: mailto:orion565%40yahoogroups.com
Subject: [orion565] Leaving group and sold Ten Tec Orion ll

i will be leaving this group. After several years of ownership of My Orion
ll and my Elecraft K line, I have parted with my Orion ll. Service, support
by the manufacture and quality of final product in my opinion have proven
over time that Elecraft gets my vote. I will be ordering another Elecraft
radio soon and never look back. Its been fun, just not real fun!

[Non-text portions of this message have been removed]

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Email scanned by PC Tools - No viruses or spyware found.
(Email Guard: 7.0.0.27, Virus/Spyware Database: 6.18650)
http://www.pctools.com
=======

=======
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http://www.pctools.com/
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7249. RE: [orion565] Re: orion2 can't properly select RTTY

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-05 13:41:37 UTC
From: George
Topic: 7239 Message: 7249

Well then if LSB is the proper side for AFSK then my O2 is still in trouble, hi. It comes up USB for a RTTY spot click.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of wb2rhm
Sent: Saturday, November 05, 2011 9:07 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: orion2 can't properly select RTTY

FYI---

LSB is the standard for AFSK transmission. It makes your Mark and Space signals come out 'right side up' for everyone trying to decode your message.

73, Ben - WB2RHM
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> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
> Of floydsense
> Sent: Friday, November 04, 2011 8:27 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] Re: orion2 can't properly select RTTY
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> You're situation will be a bit different, but the idea is the same.
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> 73, Floyd - K8AC
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7250. RE: [orion565] Re: orion2 can't properly select RTTY

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-05 14:07:04 UTC
From: Duane Calvin
Topic: 7239 Message: 7250

George - I run DX4WIN also with my Orion, connected by a microHam DigiKeyer, and, after a few settings in DX4WIN it correctly selects FSK (RTTY), as that is my choice for that mode. So, it's doable, but I don't know what settings you might need to change as I haven't fiddled with my settings in a long time.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of George
Sent: Saturday, November 05, 2011 7:32 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: orion2 can't properly select RTTY

Mike;

I triple checked the CW cut-off frequency in the DX4WIN Preferences, QSO tab and they are correct. It does the same thing for PSK31. It always goes to USB every time I click on a spot and the word RTTY or PSK31 is in the notes section of the spot.

All else seems to work fine, frequency and mode, CW or USB and split just as long as there is no RTTY or PSK in the notes area.

DX4WIN is looking at these modes as USB???

Intuition tells me that the RIG file would have something to do with this.

I have an Icom IC-7600 and it works fine for mode and frequency for RTTY and PSK.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Mike, K9UW
Sent: Friday, November 04, 2011 9:01 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: orion2 can't properly select RTTY

George, does DX4WIN select the rig's mode based on the frequency of the spot? If the RTTY station is outside of the usual frequencies, or if your mode selection file in DX4WIN has been modified, you'd experience the results you're reporting.

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Yahoo! Groups Links

7251. Re: [orion565] Leaving group and sold Ten Tec Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-05 14:51:39 UTC
From: Barry N1EU
Topic: 7242 Message: 7251

Enjoyed reading Dave's comments. I've got an Orion I and a K3 on the table, as well as a slew of older Ten-Tec radios.

With Ten-Tec bringing the RX-366 to market, it's likely that my Orion I will be my radio of choice. We'll have to see, but that's my hope. The K3 is a fine radio in all respects, except for the form factor - not enough info on the small display, too cumbersome to change some of the settings (e.g., BSET etc).

I also think Ten-Tec product development is a bit more active than you give them credit for. With Elecraft stating categorically that they have no plans for a bigger form factor radio, my attention is toward Sevierville for my next dream machine. I just hope they don't make the mistake of thinking the market wants them to shrink the display/knobs/buttons of the full-size Orion.

73,
Barry N1EU

On Sat, Nov 5, 2011 at 1:27 PM, Dyarnes <w7aqk@...> wrote:

> **
>
>
> Hi All,
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> I don’t know if it’s really “sour grapes” or not, but the original post
> was perhaps suggestive of a somewhat negative view. I’m not sure why the
> post was really necessary, but maybe this one isn’t either! I just feel
> compelled to defend Ten-Tec a bit, in spite of the fact that I too have
> defected to Elecraft.
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> The last two years or so are the first in over 40 years that Ten-Tec has
> not been my “main radio”. Over that period of time I owned, and truly
> enjoyed, a series of very fine products from Ten-Tec. The last was an Orion
> II. There were a series of other “Omni’s and Corsairs in between.
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> For me, the K3 is a better choice. It won’t be a better choice for many.
> It certainly wasn’t Ten-Tec service that led me to switch, although I think
> Elecraft has set an even higher standard than even Ten-Tec provides.
> Nonetheless, I believe anyone with a Ten-Tec radio will be well taken care
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> a while with the Orions. The return of Jack Henry may have alleviated this
> somewhat, but some things I didn’t like about the Orion just couldn’t be
> changed by upgrades. Like I said, though, it’s mostly personal preference.
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> way they keep tweaking their products with easily adopted firmware
> upgrades. The new KX3 looks like it will be a smash hit. The K3 has proven
> itself to be a winner, and the “K Line” shows strong possibilities of
> becoming a classic somewhat akin to the Collins S line and Drake C lines. I
> also have the KPA500, and it’s a crackerjack amp! The P3, although
> outboard, certainly runs circles around Ten-Tec’s attempts at a bandscope.
> In my view, the bandscopes on the early Orions were not worth very much. I
> don’t know if they have improved much.
>
> Obviously I favor Elecraft. However, I certainly would not ignore any new
> offering from Ten-Tec. They make very good products, and they take care of
> their customers. It all depends on what features you want most, and which
> product suits you better. A Ten-Tec may be nearly perfect for you. The
> truth is that there is a lot to choose from out there. Half the banter on
> many of the reflectors is along the lines of “I wish this radio had this
> feature like brand X does”! That will never change.
>
> Dave W7AQK
>
> From: George
> Sent: Saturday, November 05, 2011 5:22 AM
> To: orion565@yahoogroups.com
> Subject: RE: [orion565] Leaving group and sold Ten Tec Orion ll
>
>
> Sounds like sour grapes to me?
>
> I've always gotten excellent service from Ten Tec. Thanks goodness for the
> Ten Tec line of transceivers and ham items.
>
> As for the Elecraft K3, I've owned one and it is a very good product.
>
> George W2YJ
>
> From: mailto:orion565%40yahoogroups.com [mailto:mailto:orion565%
> 40yahoogroups.com] On Behalf
>
> Of oreradioguy
> Sent: Saturday, November 05, 2011 7:30 AM
> To: mailto:orion565%40yahoogroups.com
>
> Subject: [orion565] Leaving group and sold Ten Tec Orion ll

>
> i will be leaving this group. After several years of ownership of My Orion
> ll and my Elecraft K line, I have parted with my Orion ll. Service, support
> by the manufacture and quality of final product in my opinion have proven
> over time that Elecraft gets my vote. I will be ordering another Elecraft
> radio soon and never look back. Its been fun, just not real fun!
>
> [Non-text portions of this message have been removed]
>
> =======
> Email scanned by PC Tools - No viruses or spyware found.
> (Email Guard: 7.0.0.27, Virus/Spyware Database: 6.18650)
> http://www.pctools.com
> =======
>
> =======
> Email scanned by PC Tools - No viruses or spyware found.
> (Email Guard: 7.0.0.27, Virus/Spyware Database: 6.18650)
> http://www.pctools.com/
> =======
>
>
> [Non-text portions of this message have been removed]
>
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[Non-text portions of this message have been removed]

7252. RE: [orion565] Re: orion2 can't properly select RTTY

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-05 18:12:38 UTC
From: George
Topic: 7239 Message: 7252

Mike;

I think I have the answer to my problem. DX4WIN assumes that I am using AFSK for RTTY which is not what I'm using. I'm using true FSK. DX4WIN Orion rig file apparently has never been updated to allow RTTY to be the preferred mode when clicking on a RTTY spot.

Now to get the Orion RIG file updated.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Mike, K9UW
Sent: Friday, November 04, 2011 9:01 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: orion2 can't properly select RTTY

George, does DX4WIN select the rig's mode based on the frequency of the spot? If the RTTY station is outside of the usual frequencies, or if your mode selection file in DX4WIN has been modified, you'd experience the results you're reporting.

73, de Mike, K9UW
Amherst, WI

On 11/4/2011 7:27 PM, floydsense wrote:
>
> Is there somewhere in DX4WIN where you can specify that you are using
> FSK or AFSK? How about in the RTTY program you're using? I never use
> AFSK with my Orion II, but I suppose that USB is the correct mode if
> you are. In my case, I'm using WinWarbler (part of DXLab suite) for
> RTTY and it uses MMTTY as the RTTY front-end. In MMTTY, you specify
> whether you're using FSK or AFSK. Then in WinWarbler, you further
> specify the mode as USB or LSB if using AFSK. You're situation will be
> a bit different, but the idea is the same.
>
> 73, Floyd - K8AC
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>,
> "George" <goofyham@...> wrote:
> >
> > My O2 cannot properly go to the RTTY mode when I click on a DX spot
> that is
> > indicating RTTY. My O2 goes to USB and 2400hz band width.
> >
> > I'm using DX4WIN logging program to control the O2.

> >
> > Anyone else notice this?
> >
> >
> >
> > George W2YJ
> >
> >
> >
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> >
> > [Non-text portions of this message have been removed]
> >
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7253. RE: [orion565] Re: orion2 can't properly select RTTY

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-05 18:15:28 UTC
From: George
Topic: 7239 Message: 7253

Floyd;

I'm using MMTTY in the true FSK mode with my Icom IC-7600. I won't even wire the Orion 2 to use RTTY until I can get a rig file that will set the O2 to RTTY when clicking on a RTTY spot. No sense going through the pain of making up an interface box if I can't click on a RTTY spot and the O2 is set to RTTY and not USB.

Thanks

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of floydsense
Sent: Friday, November 04, 2011 8:27 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: orion2 can't properly select RTTY

Is there somewhere in DX4WIN where you can specify that you are using FSK or AFSK? How about in the RTTY program you're using? I never use AFSK with my Orion II, but I suppose that USB is the correct mode if you are. In my case, I'm using WinWarbler (part of DXLab suite) for RTTY and it uses MMTTY as the RTTY front-end. In MMTTY, you specify whether you're using FSK or AFSK. Then in WinWarbler, you further specify the mode as USB or LSB if using AFSK. You're situation will be a bit different, but the idea is the same.

73, Floyd - K8AC

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "George" <goofyham@...> wrote:
>
> My O2 cannot properly go to the RTTY mode when I click on a DX spot that is
> indicating RTTY. My O2 goes to USB and 2400hz band width.
>
> I'm using DX4WIN logging program to control the O2.
>
> Anyone else notice this?
>
>
>
> George W2YJ
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> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

7254. ORION II For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-06 22:01:45 UTC
From: ab5wg
Topic: 7254 Message: 7254

I have a difficult decison to make but must reduce the size of my radio collection. I am the original owner of this ORION II. It has all filters and the Automatic Antenna Tuner installed. I also have the Ten Tec digital interface to go with the transceiver. Original box, manual and the "stuff" that came with the radio is included. It is spotless and has never caused any problems nor been back to Ten Tec for service. It has been pampered and lives in a non-smoking environment. $3000 shipped to you in the US. Please reply off line not to the list. ab5wg@....

7255. CW Key inputs on Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-08 10:16:16 UTC
From: Barry N1EU
Topic: 7255 Message: 7255

Although I've used the Orion for 8 years, I'd like to use the internal keyer for the first time. There are key inputs on the front and back panels. With internal keyer set to "on", is it possible to connect a paddle to one input for the keyer and cw output from a computer to the other input that wouldn't go through the internal keyer? I suspect the answer is no, but many folks out there probably know for sure.

Thanks & 73,
Barry N1EU

7256. Re: CW Key inputs on Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-08 10:38:47 UTC
From: asdf
Topic: 7255 Message: 7256

The answer is no. Once you turned internal keyer on, you wouldn't had a chance to use output from computer.
I think this issue can be resolved by implementing winkeyer-like capabilities in Orion firmware. I mean, in this case you might manipulate from computer just sending messages through the serial control interface.

73,
Arthur, VE3EUT

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Although I've used the Orion for 8 years, I'd like to use the internal
> keyer for the first time. There are key inputs on the front and back
> panels. With internal keyer set to "on", is it possible to connect a
> paddle to one input for the keyer and cw output from a computer to the
> other input that wouldn't go through the internal keyer? I suspect
> the answer is no, but many folks out there probably know for sure.
>
> Thanks & 73,
> Barry N1EU
>

7257. Re: [orion565] Re: CW Key inputs on Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-08 10:49:53 UTC
From: Barry N1EU
Topic: 7255 Message: 7257

Thanks Martin and Arthur for the quick confirmation. I'll just continue to use the external keyer.

73, Barry N1EU

On Tue, Nov 8, 2011 at 10:33 AM, Martin Pelt <n4uucq@...> wrote:

> No that can't be done. You hook your computer to the accessory jack and use
> the PTT to key the rig.
>
> 73,
> Martin N4UU

On Tue, Nov 8, 2011 at 10:38 AM, asdf <isartw@...> wrote:

> **
>
>
> The answer is no. Once you turned internal keyer on, you wouldn't had a
> chance to use output from computer.
> I think this issue can be resolved by implementing winkeyer-like
> capabilities in Orion firmware. I mean, in this case you might manipulate
> from computer just sending messages through the serial control interface.
>
> 73,
> Arthur, VE3EUT
>
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
> >
> > Although I've used the Orion for 8 years, I'd like to use the internal
> > keyer for the first time. There are key inputs on the front and back
> > panels. With internal keyer set to "on", is it possible to connect a
> > paddle to one input for the keyer and cw output from a computer to the
> > other input that wouldn't go through the internal keyer? I suspect
> > the answer is no, but many folks out there probably know for sure.
> >
> > Thanks & 73,
> > Barry N1EU
> >
>
>
>

[Non-text portions of this message have been removed]

7258. Re: [TenTec] CW Key inputs on Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-08 11:00:13 UTC
From: Barry N1EU
Topic: 7258 Message: 7258

On Tue, Nov 8, 2011 at 10:33 AM, Martin Pelt <n4uucq@...> wrote:
> No that can't be done. You hook your computer to the accessory jack and use
> the PTT to key the rig.

Oops, I had a delayed reaction (hey. it's 6 in the morning) and just "got" Martin's solution - use the Menu option to define cw PTT as "key the rig" for the computer's cw that you feed to PTT input instead of key input. Thanks again!

Barry N1EU

7259. Re: [TenTec] CW Key inputs on Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-08 14:07:52 UTC
From: Barry N1EU
Topic: 7258 Message: 7259

Sorry if this previous message of mine was not clear, but I grokked
the solution 3 hours ago.

73, Barry N1EU

On Tue, Nov 8, 2011 at 6:00 AM, Barry N1EU <barry.n1eu@...> wrote:
> On Tue, Nov 8, 2011 at 10:33 AM, Martin Pelt <n4uucq@...> wrote:
>> No that can't be done. You hook your computer to the accessory jack and use
>> the PTT to key the rig.
>
> Oops, I had a delayed reaction (hey. it's 6 in the morning) and just
> "got" Martin's solution - use the Menu option to define cw PTT as "key
> the rig" for the computer's cw that you feed to PTT input instead of
> key input. Thanks again!
>
> Barry N1EU
>

7260. Re: CW Key inputs on Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-08 15:15:14 UTC
From: Edward A. Feustel
Topic: 7255 Message: 7260

Barry,
You could connect them that way.
However in order to switch to the manual key,
you would need to reset the kind of keying.

Using the switches on the front panel, simply
turn the speech processor off. On CW this
disables the keyer, allowing the computer to key
the transmitter. Or turn it on and set the speed
to the one you want to use. Probably you can
also do this through the computer interface, but
I have not done this.

Ed, N5EI

7261. Re: [orion565] Re: CW Key inputs on Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-08 15:31:04 UTC
From: Barry N1EU
Topic: 7255 Message: 7261

Isn't the PTT input a cw keying line and not a paddle input ? Why would
you have to turn the internal keyer off?

Barry N1EU

On Tue, Nov 8, 2011 at 10:15 AM, Edward A. Feustel <efeustel@...>wrote:

> **
>
>
> Barry,
> You could connect them that way.
> However in order to switch to the manual key,
> you would need to reset the kind of keying.
>
> Using the switches on the front panel, simply
> turn the speech processor off. On CW this
> disables the keyer, allowing the computer to key
> the transmitter. Or turn it on and set the speed
> to the one you want to use. Probably you can
> also do this through the computer interface, but
> I have not done this.
>
> Ed, N5EI
>
>

[Non-text portions of this message have been removed]

7262. 1.0 SWR Rreading

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-09 07:53:16 UTC
From: NewellC
Topic: 7262 Message: 7262

First a little background. I have an Orion I bought 6 months ago used. It works great and I love it. I have been running a Butternut on antenna 1 and a TH6XX on antenna 2. I decided to replace my 30 year old Butternut with a CX Engineering 43 foot vertical. I got the new antenna installed with a SGC SG-230 tuner at the base and put in 4 35 foot radials and then like a kid at Christmas went in to test it. The Beam is on antenna 1 and the vertical is on antenna 2. Everything looked great with the vertical hearing about 1 - 2 S units below the beam. The SG-230 did a great job matching the antenna from 10 to 160 Meters with the highest SWR of about 1.8. Likewise, the internal tuner did a great job on the beam. Good job and I quit for the day.

So, 5 days later I get time and go back and put in 12 more radials for a total of 16 thinking that will be good for over the winter and I will put in more next spring. Then I go back in and do some testing.

I turned on the radio and it is silent. I have no volume on VFO A, but when I switch to VFO B I get great volume. So, thinking something has happened in the radio I do a master reset and TADA, volume is back. Then I note that when I switch to the vertical the band is dead and there is no signal on the trace. The vertical is deaf. Then as I test further I note that every band on both the beam and the vertical are reading 1.0 SWR.

Thinking my SWR reading is wacked out I do another master reset - no change. So I go out to check the antenna connection and the SG-230. I remove the connections and take resistance reading and everything looks good. I pulled the cover off the SG-230 to check the fuse, it was good. I put everything back together, turn the radio back on and now everything is as it should be. Good signals and reasonable SWR readings on both antennas.

My first thought was something at the antenna because I got good signasl on the beam but nothing on the vertical. But then that would not explain why both antennas had no respone to band changes on the SWR meter.

What happened? 1. Why no volume on VFO A? 2. Why the continual 1.0 reading on the SWR meater on both antennas?

7263. Orion gain setting

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-09 11:26:50 UTC
From: Barry N1EU
Topic: 7263 Message: 7263

On Wed, Nov 9, 2011 at 6:09 AM, Mark van Wijk <pa5mw@...> wrote:

> Use your RF Gain, never set it above 90. Ever. Not even on 10/12mtrs.
>

I'd probably never set it above 75. If you can hear band noise in the background, it's plenty high.

Here's a 60-second method to gain adjustment:

1. turn RF Gain to 100 and tune in an s9+ station.
2. turn up AF Gain till it's VERY loud, but not painful. Leave the AF Gain setting at this level, always - don't touch it.
3. turn down RF Gain till you can just hear band noise in the background - adjust as necessary when you change bands.

This will provide very quiet reception with signals popping out of silence - maximal audio dynamic range and minimal AGC action,

73, Barry N1EU

7264. Re: [orion565] Orion gain setting

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-09 11:34:17 UTC
From: Michael W Elliott
Topic: 7263 Message: 7264

100 per cent agree with Barry

Michael W. Elliott
DX-IS and it Rocks
DXCC Honor Roll, 5bWAZ , WAE I,II,III, WAE Top - Mixed
    WAE I,II,III, WAE Top - CW
"THE INSIDE ADVANTAGE"   -
RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri
God Bless America

--- On Wed, 11/9/11, Barry N1EU <barry.n1eu@...> wrote:

From: Barry N1EU <barry.n1eu@...>
Subject: [orion565] Orion gain setting
To: "Discussion of Ten-Tec Equipment" <tentec@...>, "Orion565" <orion565@yahoogroups.com>
Date: Wednesday, November 9, 2011, 5:26 AM

On Wed, Nov 9, 2011 at 6:09 AM, Mark van Wijk <pa5mw@...> wrote:

> Use your RF Gain, never set it above 90. Ever. Not even on 10/12mtrs.

>

I'd probably never set it above 75. If you can hear band noise in the

background, it's plenty high.

Here's a 60-second method to gain adjustment:

1. turn RF Gain to 100 and tune in an s9+ station.

2. turn up AF Gain till it's VERY loud, but not painful. Leave the AF

Gain setting at this level, always - don't touch it.

3. turn down RF Gain till you can just hear band noise in the

background - adjust as necessary when you change bands.

This will provide very quiet reception with signals popping out of

silence - maximal audio dynamic range and minimal AGC action,

73, Barry N1EU

[Non-text portions of this message have been removed]

7265. Companion for your Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-11 01:27:41 UTC
From: ab5wg
Topic: 7265 Message: 7265

Anyone need a companion amp for their Orion? I have a big, bad, beautiful Titan III, Model 417A. It will go QRO all day, QSK is silent and quick with the Orion. Spare set of new Svetlana tubes included. If you have a wire antenna in the trees, you do not want this amp--it will set the trees on fire! If interested please contact me off list.
ab5wg@...

7266. Re: 1.0 SWR Rreading

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-11 19:01:28 UTC
From: ad4hk2004
Topic: 7262 Message: 7266

I suspect a combination of a bad connection in/at the coax switch and mis-set controls on the front of a complex radio and every time you fixed one you unfixed the other (chasing your tail)...
BTDT and got the Tee shirt... It will get better with experience...

denny-o

7267. Brochure 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-12 16:41:32 UTC
From: Per Bekker-Madsen
Topic: 7267 Message: 7267

Hi

Have just bought a 565, and trying to find all kind of material. I just cant find the original Brochure. Anyone having that in PDF? If yes would you be so kind to mail it to me on per@...

Tnx in advance

Per OZ1EQC & OV2V

7268. Re: Orion gain setting

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-12 17:25:30 UTC
From: pa1ap
Topic: 7263 Message: 7268

Agree and if you want to play around with various AGC settings through computer control you can also install the windows program as available in the files menu;

http://f1.grp.yahoofs.com/v1/EKa-Tsa6DDrZn-JJv2McwDchMfO7KSk7mq8IEHYd3S0_8SHvr9l4XFcOtAq2IkyIgOrQzvL3z2qNnlgjwr5UnAlhTnqOkJqcug/pa1ap%20AGC%20program/orion_agc_macro_v20050.zip

I hope the link above works.

Couple of things to keep in mind;

1- the program utilizes a profile which is connected to Orion firmware. Make sure you select the correct version

2- the program allows automatic AGC setting through S-meter routine. But this will only work if the correct firmware version is selected.

3- it is possible to change the threshold in steps of 1uv using a slider. Same for RF gain in steps of 1%

4- there is a small meny which allows you to switch between AGC modes and the AGC user is what will be used by the program.

I am still using the program, just like Barry is sharing but for me it is a click on a button to adjust. All happens within few seconds.

Anyway,just for experimenting and lazy folks like me ;-)

73, onno de pa1ap

--- In orion565@yahoogroups.com, Michael W Elliott <kq0b@...> wrote:
>
> 100 per cent agree with Barry
>
> Michael W. Elliott
> DX-ISÂ and it Rocks
> DXCC Honor Roll, 5bWAZ , WAE I,II,III, WAE Top - Mixed
> Â Â Â WAE I,II,III, WAE Top - CW
> "THE INSIDE ADVANTAGE" Â Â -
> RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
> Servant to Bridgett, Collin and all my Creditors
> St. Louis County Missouri
> God Bless America
>
>
> --- On Wed, 11/9/11, Barry N1EU <barry.n1eu@...> wrote:
>
> From: Barry N1EU <barry.n1eu@...>
> Subject: [orion565] Orion gain setting

> To: "Discussion of Ten-Tec Equipment" <tentec@...>, "Orion565"
<orion565@yahoogroups.com>
> Date: Wednesday, November 9, 2011, 5:26 AM
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> On Wed, Nov 9, 2011 at 6:09 AM, Mark van Wijk <pa5mw@...> wrote:
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> I'd probably never set it above 75. If you can hear band noise in the
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> background, it's plenty high.
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>
> Here's a 60-second method to gain adjustment:
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>
>
> 1. turn RF Gain to 100 and tune in an s9+ station.

>
> 2. turn up AF Gain till it's VERY loud, but not painful. Leave the AF
>
> Gain setting at this level, always - don't touch it.
>
> 3. turn down RF Gain till you can just hear band noise in the
>
> background - adjust as necessary when you change bands.
>
>
>
> This will provide very quiet reception with signals popping out of
>
> silence - maximal audio dynamic range and minimal AGC action,
>
>
>
> 73, Barry N1EU
>
>
>

7269. Re: 1.0 SWR Rreading

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-12 17:35:51 UTC
From: pa1ap
Topic: 7262 Message: 7269

You might have fixed the issue already but below some suggestions and questions;

Can you share which firmware you are using?

Can you disable / enable the internal tuner and do you hear a soft click when doing so?

Can you share the antenna button status and to which antenna the TX is mapped?

By any chance RX Ant also selected (which connects RX to the tulip plug on the back instead of the coax connectors) ?

If you connect a wire straight into the coax connector do you copy any signal or is it still deaf?

Regards, Onno

--- In orion565@yahoogroups.com, "NewellC" <ncrary@...> wrote:
>
> First a little background. I have an Orion I bought 6 months ago used. It works great and I love it. I have been running a Butternut on antenna 1 and a TH6XX on antenna 2. I decided to replace my 30 year old Butternut with a CX Engineering 43 foot vertical. I got the new antenna installed with a SGC SG-230 tuner at the base and put in 4 35 foot radials and then like a kid at Christmas went in to test it. The Beam is on antenna 1 and the vertical is on antenna 2. Everything looked great with the vertical hearing about 1 - 2 S units below the beam. The SG-230 did a great job matching the antenna from 10 to 160 Meters with the highest SWR of about 1.8. Likewise, the internal tuner did a great job on the beam. Good job and I quit for the day.
>
> So, 5 days later I get time and go back and put in 12 more radials for a total of 16 thinking that will be good for over the winter and I will put in more next spring. Then I go back in and do some testing.
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> I turned on the radio and it is silent. I have no volume on VFO A, but when I switch to VFO B I get great volume. So, thinking something has happened in the radio I do a master reset and TADA, volume is back. Then I note that when I switch to the vertical the band is dead and there is no signal on the trace. The vertical is deaf. Then as I test further I note that every band on both the beam and the vertical are reading 1.0 SWR.
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> Thinking my SWR reading is wacked out I do another master reset - no change. So I go out to check the antenna connection and the SG-230. I remove the connections and take resistance reading and everything looks good. I pulled the cover off the SG-230 to check the fuse, it was good. I put everything back together, turn the radio back on and now everything is as it should be. Good signals and reasonable SWR readings on both antennas.
>
> My first thought was something at the antenna because I got good signasl on the beam but nothing on the vertical. But then that would not explain why both antennas had no respone to band changes on the SWR meter.

>
>
> What happened? 1. Why no volume on VFO A? 2. Why the continual 1.0 reading on the SWR meater on both antennas?
>

7270. RE: [orion565] Re: Orion gain setting

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-12 19:51:46 UTC
From: George
Topic: 7263 Message: 7270

Link does not work?

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Saturday, November 12, 2011 12:26 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion gain setting

Agree and if you want to play around with various AGC settings through computer control you can also install the windows program as available in the files menu;

http://f1.grp.yahoofs.com/v1/EKa-Tsa6DDrZn-JJv2McwDchMfO7KSk7mq8IEHYd3S0_8SHvr9l4XFcOtAq2IkyIgOrQzvL3z2qNnlgjwr5UnAlhTnqOkJqcug/pa1ap%20AGC%20program/orion_agc_macro_v20050.zip

I hope the link above works.

Couple of things to keep in mind;

1- the program utilizes a profile which is connected to Orion firmware. Make sure you select the correct version

2- the program allows automatic AGC setting through S-meter routine. But this will only work if the correct firmware version is selected.

3- it is possible to change the threshold in steps of 1uv using a slider. Same for RF gain in steps of 1%

4- there is a small meny which allows you to switch between AGC modes and the AGC user is what will be used by the program.

I am still using the program, just like Barry is sharing but for me it is a click on a button to adjust. All happens within few seconds.

Anyway,just for experimenting and lazy folks like me ;-)

73, onno de pa1ap

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , Michael W Elliott <kq0b@...> wrote:
>
> 100 per cent agree with Barry
>
> Michael W. Elliott
> DX-ISÂ and it Rocks

> DXCC Honor Roll, 5bWAZ , WAE I,II,III, WAE Top - Mixed
> Â Â Â WAE I,II,III, WAE Top - CW
> "THE INSIDE ADVANTAGE" Â Â -
> RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
> Servant to Bridgett, Collin and all my Creditors
> St. Louis County Missouri
> God Bless America
>
>
> --- On Wed, 11/9/11, Barry N1EU <barry.n1eu@...> wrote:
>
> From: Barry N1EU <barry.n1eu@...>
> Subject: [orion565] Orion gain setting
> To: "Discussion of Ten-Tec Equipment" <tentec@...>, "Orion565"
<orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> >
> Date: Wednesday, November 9, 2011, 5:26 AM
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> On Wed, Nov 9, 2011 at 6:09 AM, Mark van Wijk <pa5mw@...> wrote:
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7271. Re: [orion565] Re: Orion gain setting

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-12 19:55:18 UTC
From: Barry N1EU
Topic: 7263 Message: 7271

http://f1.grp.yahoofs.com/v1/MMK-TvwW8gC8wrxRPivcwXu8fgIpOQ7ldXrOWGiG5nHBQg6LcFeR4pQ2nk59C
1PkaFtX4XdAAt_n3TZEOP6AHwpD6g/pa1ap%20AGC%20program/orion_agc_macro_v20050.zip

or just go to
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/ and
click on the link

On Sat, Nov 12, 2011 at 7:51 PM, George <goofyham@...> wrote:

> **
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>
> Link does not work?
>
> George W2YJ
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of pa1ap
> Sent: Saturday, November 12, 2011 12:26 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Orion gain setting
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>
> Agree and if you want to play around with various AGC settings through
> computer control you can also install the windows program as available in
> the files menu;
>
>
> http://f1.grp.yahoofs.com/v1/EKa-Tsa6DDrZn-JJv2McwDchMfO7KSk7mq8IEHYd3S0_8SH
>
> vr9l4XFcOtAq2IkyIgOrQzvL3z2qNnlgjwr5UnAlhTnqOkJqcug/pa1ap%20AGC%20program/or
> ion_agc_macro_v20050.zip
>
> I hope the link above works.
>
> Couple of things to keep in mind;
>
> 1- the program utilizes a profile which is connected to Orion firmware.
> Make
> sure you select the correct version
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> 2- the program allows automatic AGC setting through S-meter routine. But
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> 3- it is possible to change the threshold in steps of 1uv using a slider.
> Same for RF gain in steps of 1%

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> click on a button to adjust. All happens within few seconds.
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> Anyway,just for experimenting and lazy folks like me ;-)
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> 73, onno de pa1ap
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> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
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> Michael W Elliott <kq0b@...> wrote:
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> > DXCC Honor Roll, 5bWAZ , WAE I,II,III, WAE Top - Mixed
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> > Servant to Bridgett, Collin and all my Creditors
> > St. Louis County Missouri
> > God Bless America
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> >
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> >
> > From: Barry N1EU <barry.n1eu@...>
> > Subject: [orion565] Orion gain setting
> > To: "Discussion of Ten-Tec Equipment" <tentec@...>, "Orion565"
> <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> >
>
> > Date: Wednesday, November 9, 2011, 5:26 AM
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7272. Orion 565AT for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-12 22:35:53 UTC
From: f_skinner
Topic: 7272 Message: 7272

Well, I have had to make the difficult decision to sell my Orion 565AT. It will come with the matching speaker and the desk microphone (and documentation). I am not a SSB Operator but have had the occasional SSB QSO from time to time. I am the original owner and this was my second 565. It has been in constant use since I got it in 2004 (I think it was 2004 but could had been 2005). Serial number is 10C10414. It has no filters installed as I never felt it needed them as other radios do. I have had absolutely no problems with this radio and it has been the most reliable radio I have ever owned.

I am asking 1,850 and will cover shipping to the lower 48. I will double box pack the radio and will send the speaker, microphone and documentation in a separate box.

My email is f_skinner at yahoo dot com

Frank
K0JQZ

7273. Orion 566 not following spot clicks?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-13 14:22:35 UTC
From: George
Topic: 7273 Message: 7273

I have done extensive tests using my logging program, DX4WIN, and I'm finding that the O2 does not revert to the proper mode and bandwidth when clicking on a packet spot. For instance, when I clicked on a 24.891.0Mhz CW spot which is split the A VFO goes to 24891.0 LCW 960 BW and the B VFO goes to 24892.4Mhz USB 960 BW??? Comon, I can't send CW in the split mode when the B VFO is in the USB mode. Is it a function of the DX4WIN logging program?

What is going on here?

Can anyone explain?

George W2YJ

[Non-text portions of this message have been removed]

7274. Re: [orion565] Re: Orion gain setting

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-13 18:35:11 UTC
From: gary strong
Topic: 7263 Message: 7274

Onno,
will this also work with the Orion II?

Gary KO0Q

On Sat, Nov 12, 2011 at 11:25 AM, pa1ap <pa1ap@...> wrote:

> **
>
>
> Agree and if you want to play around with various AGC settings through
> computer control you can also install the windows program as available in
> the files menu;
>
>
> http://f1.grp.yahoofs.com/v1/EKa-Tsa6DDrZn-JJv2McwDchMfO7KSk7mq8IEHYd3S0_8SHvr9l4XFcOtAq
2IkyIgOrQzvL3z2qNnlgjwr5UnAlhTnqOkJqcug/pa1ap%20AGC%20program/orion_agc_macro_v20050.zip
>
> I hope the link above works.
>
> Couple of things to keep in mind;
>
> 1- the program utilizes a profile which is connected to Orion firmware.
> Make sure you select the correct version
>
> 2- the program allows automatic AGC setting through S-meter routine. But
> this will only work if the correct firmware version is selected.
>
> 3- it is possible to change the threshold in steps of 1uv using a slider.
> Same for RF gain in steps of 1%
>
> 4- there is a small meny which allows you to switch between AGC modes and
> the AGC user is what will be used by the program.
>
> I am still using the program, just like Barry is sharing but for me it is
> a click on a button to adjust. All happens within few seconds.
>
> Anyway,just for experimenting and lazy folks like me ;-)
>
> 73, onno de pa1ap
>
> --- In orion565@yahoogroups.com, Michael W Elliott <kq0b@...> wrote:
> >
> > 100 per cent agree with Barry
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> > DX-IS? and it Rocks
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> > Servant to Bridgett, Collin and all my Creditors
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> > --- On Wed, 11/9/11, Barry N1EU <barry.n1eu@...> wrote:
> >
> > From: Barry N1EU <barry.n1eu@...>
> > Subject: [orion565] Orion gain setting
> > To: "Discussion of Ten-Tec Equipment" <tentec@...>, "Orion565" <
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> > Date: Wednesday, November 9, 2011, 5:26 AM
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7275. Re: Orion gain setting

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-13 19:20:43 UTC
From: pa1ap
Topic: 7263 Message: 7275

Yes the program has been written to support both radio's. Something to keep in mind though is the S-meter calibration which tends to vary for each firmware version... don't ask me why TT is doing this. Anyway, there is a small version selector upper right corner, just scroll through and check if "566 O2 xxx" matches your firmware.

If it does, great. If it does not, just realize that the auto s-meter routine might not understand the actual s-meter reading related to RF gain / threshold. Thats all... have fun playing and let me know if I can help in any way. If you have a version which is not supported let me know and perhaps we can quickly create a firmware profile. Takes 30 minutes or so to build.

This is software used to explore the AGC functions. All I was doing is experimenting how threshold could be lifted above the band noise and what result this would have. Since the threshold steps on radio are a bit challenging to adjust the slider will allow very easy adjustment ;-) There is a small (green) marker / connector between Threshold and rf-gain which you can disable to decouple rf gain from threshold if you like. If you like the whole range click on "zoom" or if you want the area between s2 and s7 click on "full" or otherway around. I dont recall anymore.

anyway, to much communication on the program already. Just install it and play around with it ;-) 73 onno pa1ap

--- In orion565@yahoogroups.com, gary strong <gstrongx@...> wrote:
>
> Onno,
> will this also work with the Orion II?
>
> Gary KO0Q
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> On Sat, Nov 12, 2011 at 11:25 AM, pa1ap <pa1ap@...> wrote:
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> > > From: Barry N1EU <barry.n1eu@>
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> > > To: "Discussion of Ten-Tec Equipment" <tentec@>, "Orion565" <
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7276. Re: Orion 566 not following spot clicks?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-13 19:23:16 UTC
From: pa1ap
Topic: 7273 Message: 7276

I would not be suprised this is the KTDT bug. Do you have the means of providing a serial trace? And what is the effect if you activate a function twice? Does it work second time?
73, onno

--- In orion565@yahoogroups.com, "George" <goofyham@...> wrote:
>
> I have done extensive tests using my logging program, DX4WIN, and I'm
> finding that the O2 does not revert to the proper mode and bandwidth when
> clicking on a packet spot. For instance, when I clicked on a 24.891.0Mhz CW
> spot which is split the A VFO goes to 24891.0 LCW 960 BW and the B VFO goes
> to 24892.4Mhz USB 960 BW??? Comon, I can't send CW in the split mode when
> the B VFO is in the USB mode. Is it a function of the DX4WIN logging
> program?
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> What is going on here?
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> George W2YJ
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> [Non-text portions of this message have been removed]
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7277. O2 does not change to correct mode when clicking on a split spot?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-15 01:17:53 UTC
From: George
Topic: 7277 Message: 7277

If I click on a packet cluster spot that is CW and split the A VFO goes to 800Hz, my preference and CW mode but the B VFO if it was in USB mode it stays in USB with 800Hz.

What is going on here? Can anyone shed some light on this. I have no problem with my Icom 7600 going to the correct Mode and BW.

I am using DX4WIN logging program with a rig file "ORION.RIG:.

Thanks.

George

George W2YJ

[Non-text portions of this message have been removed]

7278. Re: [orion565] O2 does not change to correct mode when clicking on a split spot?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-15 13:29:06 UTC
From: Barry N1EU
Topic: 7277 Message: 7278

Sounds like DX4WIN isn't outputting the necessary commands to properly set up vfoB. Other logging programs (N1MM etc) do this fine with the Orion. I haven't personally used DX4WIN however.

Barry N1EU

On Mon, Nov 14, 2011 at 8:17 PM, George <goofyham@...> wrote:

> **
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>
> If I click on a packet cluster spot that is CW and split the A VFO goes to
> 800Hz, my preference and CW mode but the B VFO if it was in USB mode it
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> What is going on here? Can anyone shed some light on this. I have no
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> with my Icom 7600 going to the correct Mode and BW.
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> I am using DX4WIN logging program with a rig file "ORION.RIG:.
>
> Thanks.
>
> George
>
> George W2YJ
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7279. RE: [orion565] O2 does not change to correct mode when clicking on a split spot?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-15 13:44:23 UTC
From: George
Topic: 7277 Message: 7279

Barry;

I believe you are correct. I also wrote a note to the DX4WIN reflector.

Thanks.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Tuesday, November 15, 2011 8:29 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] O2 does not change to correct mode when clicking on a split spot?

Sounds like DX4WIN isn't outputting the necessary commands to properly set
up vfoB. Other logging programs (N1MM etc) do this fine with the Orion. I
haven't personally used DX4WIN however.

Barry N1EU

On Mon, Nov 14, 2011 at 8:17 PM, George <goofyham@... <mailto:goofyham%40rochester.rr.com>
> wrote:

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>
>
> If I click on a packet cluster spot that is CW and split the A VFO goes to
> 800Hz, my preference and CW mode but the B VFO if it was in USB mode it
> stays in USB with 800Hz.
>
> What is going on here? Can anyone shed some light on this. I have no
> problem
> with my Icom 7600 going to the correct Mode and BW.
>
> I am using DX4WIN logging program with a rig file "ORION.RIG:.
>
> Thanks.
>
> George
>
> George W2YJ
>
> [Non-text portions of this message have been removed]
>
>
>

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[Non-text portions of this message have been removed]

7281. New poll for orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-18 14:18:29 UTC
From: orion565@yahoogroups.com
Topic: 7 Message: 7281

Enter your vote today! A new poll has been created for the
orion565 group:

For Orion II owners: When operating CW, one of the relays
in the Orion II makes a distinct ticking sound on the trailing
edge of dots and dashes. This relay follows the keying even
100% delay selected and can be quite an irritant. Some report
little or no relay noise, while others can hear it in the next
room. What is your experience with this relay noise?

o I don't operate CW
o I don't hear the relay noise when keying
o The noise is barely audible
o The noise is loud enough at the operating position to be irritating
o The noise is loud enough to be heard in the next room

To vote, please visit the following web page:
http://groups.yahoo.com/group/orion565/surveys?id=13111744

Note: Please do not reply to this message. Poll votes are
not collected via email. To vote, you must go to the Yahoo! Groups
web site listed above.

Thanks!

7282. Filters for 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-19 10:15:15 UTC
From: Per Bekker-Madsen
Topic: 7282 Message: 7282

Hi
Anyone with knowledge of the difference between the TT 1.8, 400 and 250 stock filters compared with the Inrad versions of same? When I look at the skirts of the filters there is a big difference in advantage of the Inrad filters. E.g. the 250Hz has a BW6 on 455Hz on the TT stock filter and Inrads shows BW6 on 315Hz comments will be appreciated before I order these three filters.

TIA

OV2V/OZ1EQC

Per

7283. Re: [orion565] Filters for 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-19 10:48:44 UTC
From: Barry N1EU
Topic: 7282 Message: 7283

Per, you will notice no difference in performance between the Inrad and TT filters in the 565. These are roofing filters and only need to provide perhaps 20-30dB of attenuation such that the hardware AGC isn't triggered by s9++ off-channel signals. Once that is achieved, the dsp filtering does the rest.

Many savvy 565 users do not use the 500 and 250hz filter slots because those two filter slots involve an extra stage of amplification in the 565 and cause excess IMD. Instead, they install the Inrad 600hz filter in place of the Orion's stock 1Khz filter. The 566 Orion II corrected this problem by using filters in those two slots with fewer poles and less loss and eliminating the extra amplification.

73, Barry N1EU

On Sat, Nov 19, 2011 at 10:15 AM, Per Bekker-Madsen <oz1eqc@...>wrote:

> **
>
>
> Hi
> Anyone with knowledge of the difference between the TT 1.8, 400 and 250
> stock filters compared with the Inrad versions of same? When I look at the
> skirts of the filters there is a big difference in advantage of the Inrad
> filters. E.g. the 250Hz has a BW6 on 455Hz on the TT stock filter and
> Inrads shows BW6 on 315Hz comments will be appreciated before I order these
> three filters.
>
> TIA
>
> OV2V/OZ1EQC
>
> Per
>
>
>

[Non-text portions of this message have been removed]

7284. Re: Filters for 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-19 10:52:20 UTC
From: pa1ap
Topic: 7282 Message: 7284

From what i understood the two 500/250 Hz filter positions utilize an additional amplifier to compensate for filter loss which impacts imd. Some cw enthusiast slap in a 600 Hz filter into the 1khz position and this works well. Smaller bandwidth through dsp filters.
--- In orion565@yahoogroups.com, "Per Bekker-Madsen" <oz1eqc@...> wrote:
>
> Hi
> Anyone with knowledge of the difference between the TT 1.8, 400 and 250 stock filters compared with the Inrad versions of same? When I look at the skirts of the filters there is a big difference in advantage of the Inrad filters. E.g. the 250Hz has a BW6 on 455Hz on the TT stock filter and Inrads shows BW6 on 315Hz comments will be appreciated before I order these three filters.
>
> TIA
>
> OV2V/OZ1EQC
>
> Per
>

7285. Re: Filters for 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-19 11:29:35 UTC
From: Per Bekker-Madsen
Topic: 7282 Message: 7285

Hi Barry & Onno

Tnx for the information, will order that 600Hz Inrad filter :-)
Saved me lots of money and irritation (I do only work CW)

73 Per OV2V & OZ1EQC

--- In orion565@yahoogroups.com, "Per Bekker-Madsen" <oz1eqc@...> wrote:
>
> Hi
> Anyone with knowledge of the difference between the TT 1.8, 400 and 250 stock filters compared with the Inrad versions of same? When I look at the skirts of the filters there is a big difference in advantage of the Inrad filters. E.g. the 250Hz has a BW6 on 455Hz on the TT stock filter and Inrads shows BW6 on 315Hz comments will be appreciated before I order these three filters.
>
> TIA
>
> OV2V/OZ1EQC
>
> Per
>

7286. Re: [orion565] Re: Filters for 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-19 11:40:56 UTC
From: Barry N1EU
Topic: 7282 Message: 7286

You want the Inrad 762 filter, not the 763 filter.

Barry N1EU

On Sat, Nov 19, 2011 at 11:29 AM, Per Bekker-Madsen <oz1eqc@...>wrote:

> **
>
>
> Hi Barry & Onno
>
> Tnx for the information, will order that 600Hz Inrad filter :-)
> Saved me lots of money and irritation (I do only work CW)
>
> 73 Per OV2V & OZ1EQC
>
>
> --- In orion565@yahoogroups.com, "Per Bekker-Madsen" <oz1eqc@...> wrote:
> >
> > Hi
> > Anyone with knowledge of the difference between the TT 1.8, 400 and 250
> stock filters compared with the Inrad versions of same? When I look at the
> skirts of the filters there is a big difference in advantage of the Inrad
> filters. E.g. the 250Hz has a BW6 on 455Hz on the TT stock filter and
> Inrads shows BW6 on 315Hz comments will be appreciated before I order these
> three filters.
> >
> > TIA
> >
> > OV2V/OZ1EQC
> >
> > Per
> >
>
>
>

[Non-text portions of this message have been removed]

7287. Re: [orion565] Re: Filters for 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-19 12:20:30 UTC
From: Per Bekker-Madsen
Topic: 7282 Message: 7287

Hi Barry
Thanks for the "warning" - I have read W4ZV Bills article on TT WIKI (
http://tentecwiki.org/doku.php?id=565inrad762)
But thanks for your concern :-)

73 Per

[Non-text portions of this message have been removed]

7288. Re: [orion565] Re: Filters for 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-19 12:30:17 UTC
From: Barry N1EU
Topic: 7282 Message: 7288

Great! Good old Ten-Tec Wiki comes through!

73, Barry N1EU

On Sat, Nov 19, 2011 at 12:20 PM, Per Bekker-Madsen <oz1eqc@...>wrote:

> **
>
>
> Hi Barry
> Thanks for the "warning" - I have read W4ZV Bills article on TT WIKI (
> http://tentecwiki.org/doku.php?id=565inrad762)
> But thanks for your concern :-)
>
> 73 Per
>
> [Non-text portions of this message have been removed]
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>
>

[Non-text portions of this message have been removed]

7289. Ten Tec- orion II 566AT for sale or px

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-20 16:11:28 UTC
From: chris
Topic: 7289 Message: 7289

Ten-Tec Orion 2 566AT...

Sorry to place this post but my prized radio is too big now for my shack.
I have to let it go.

Looking at part exchanging / swapping my radio for smaller.

The Ten-tec is perfect and comes with the built in ATU and ssb filter fitted.
I will send out pictures to serious interest only.

My shack is a lot smaller now so has to go
This radio has all the original included kit with leads and manual..

Would prefer to show it working before any deal .
Grab a bargain at £2500.00 or px etc
I will not negotiate the price sorry but it is cheap for this radio.
Collect or arrange currior collection .
Thanks. M0ZOL Zoli Plymouth U.K.

7290. Poll results for orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-20 18:58:40 UTC
From: orion565@yahoogroups.com
Topic: 3087 Message: 7290

The following orion565 poll is now closed. Here are the
final results:

POLL QUESTION: How many times did your Orion II require warranty repair?

CHOICES AND RESULTS
- zero , 31 votes, 77.50%
- once , 6 votes, 15.00%
- twice, 3 votes, 7.50%
- three , 0 votes, 0.00%
- four or more, 0 votes, 0.00%

For more information about this group, please visit
http://groups.yahoo.com/group/orion565

For help with Yahoo! Groups, please visit
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.html

7291. Re: [orion565] Poll results for orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-20 20:25:01 UTC
From: Paul DeWitte
Topic: 3087 Message: 7291

Dont know who took the survey but a 565 is not an Orion II.

----- Original Message -----
From: <orion565@yahoogroups.com>
To: <orion565@yahoogroups.com>
Sent: Sunday, November 20, 2011 12:58 PM
Subject: [orion565] Poll results for orion565

>
> The following orion565 poll is now closed. Here are the
> final results:
>
>
> POLL QUESTION: How many times did your Orion II require warranty repair?
>
> CHOICES AND RESULTS
> - zero , 31 votes, 77.50%
> - once , 6 votes, 15.00%
> - twice, 3 votes, 7.50%
> - three , 0 votes, 0.00%
> - four or more, 0 votes, 0.00%
>
>
>
> For more information about this group, please visit
> http://groups.yahoo.com/group/orion565
>
> For help with Yahoo! Groups, please visit
> http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.html
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> Yahoo! Groups Links
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7292. Re: [orion565] Poll results for orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-20 21:24:01 UTC
From: James Skalski
Topic: 3087 Message: 7292

My guess is that they read the description of the yahoo group and saw that it covered both. Sometimes you get that idea that radios have all kinds of problems. It might be that those with problems are the most vocal. I see that with most appliance operators such as maytag users :) I never had a problem with the o2 but didn't get a chance to participate in the poll. I think ten tecs are great. I can give more praise when I receive my complimentary O3...
Jim n2go

From: Paul DeWitte <k9ot@...>
To: orion565@yahoogroups.com
Sent: Sunday, November 20, 2011 3:25 PM
Subject: Re: [orion565] Poll results for orion565

Dont know who took the survey but a 565 is not an Orion II.

----- Original Message -----
From: <orion565@yahoogroups.com>
To: <orion565@yahoogroups.com>
Sent: Sunday, November 20, 2011 12:58 PM
Subject: [orion565] Poll results for orion565

>
> The following orion565 poll is now closed. Here are the
> final results:
>
>
> POLL QUESTION: How many times did your Orion II require warranty repair?
>
> CHOICES AND RESULTS
> - zero , 31 votes, 77.50%
> - once , 6 votes, 15.00%
> - twice, 3 votes, 7.50%
> - three , 0 votes, 0.00%
> - four or more, 0 votes, 0.00%
>
>
>
> For more information about this group, please visit
> http://groups.yahoo.com/group/orion565
>
> For help with Yahoo! Groups, please visit
> http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.html
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7293. RE: [orion565] Poll results for orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-21 02:55:50 UTC
From: Ralph Matthews
Topic: 3087 Message: 7293

I took part in the poll, and all I can say is if you find a better, absolutely quiet and efficient QSK switching, along with the multiple other features for CW ops, then let me know. Jim is right. I have had all the high end rigs, and the Japanese rigs beat the Ten Tec in finish and "feel" but when it gets right down to performance, the high end Ten Tecs are the best. Could the good folks at Ten Tec spend some more money on "finish", or should they compete with the "trophy wives" rigs who look good, but don't deliver, and charge more for looks??? I will take performance every time! C'mon folks, you don't have to put a bag over the rig to work it!!. Nuff said.

NA6D

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of James Skalski
Sent: Sunday, November 20, 2011 1:24 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Poll results for orion565

My guess is that they read the description of the yahoo group and saw that it covered both. Sometimes you get that idea that radios have all kinds of problems. It might be that those with problems are the most vocal. I see that with most appliance operators such as maytag users :) I never had a problem with the o2 but didn't get a chance to participate in the poll. I think ten tecs are great. I can give more praise when I receive my complimentary O3...
Jim n2go

_____
From: Paul DeWitte <k9ot@...>
To: orion565@yahoogroups.com
Sent: Sunday, November 20, 2011 3:25 PM
Subject: Re: [orion565] Poll results for orion565

Dont know who took the survey but a 565 is not an Orion II.

----- Original Message -----
From: <orion565@yahoogroups.com>
To: <orion565@yahoogroups.com>
Sent: Sunday, November 20, 2011 12:58 PM
Subject: [orion565] Poll results for orion565

>
> The following orion565 poll is now closed. Here are the
> final results:
>
>
> POLL QUESTION: How many times did your Orion II require warranty repair?
>

> CHOICES AND RESULTS
> - zero , 31 votes, 77.50%
> - once , 6 votes, 15.00%
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> - three , 0 votes, 0.00%
> - four or more, 0 votes, 0.00%
>
>
>
> For more information about this group, please visit
> http://groups.yahoo.com/group/orion565
>
> For help with Yahoo! Groups, please visit
> http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.html
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Yahoo! Groups Links

7294. RE: [orion565] Poll results for orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-21 05:04:53 UTC
From: art davis
Topic: 3087 Message: 7294

I agree 100% with everything you say, but I'm not sure what the purpose was in taking a poll about the noisy relay. I haven't seen the results yet, but it really doesn't matter because from my standpoint every Orion I've ever owned (all ONE of them) has an annoying chirpy relay. But that in no way means that I would trade it for any ken-yae-com on the market today. It's fun and easy to operate. If my wife doesn't like the noise, she can turn on her embroidery machine that sounds like a Model-T and drown out most of it!

Long live Ten Tec!
N4UC
To: orion565@yahoogroups.com
From: rondo47@surewest.net
Date: Sun, 20 Nov 2011 18:55:50 -0800
Subject: RE: [orion565] Poll results for orion565

I took part in the poll, and all I can say is if you find a better, absolutely quiet and efficient QSK switching, along with the multiple other features for CW ops, then let me know. Jim is right. I have had all the high end rigs, and the Japanese rigs beat the Ten Tec in finish and "feel" but when it gets right down to performance, the high end Ten Tecs are the best. Could the good folks at Ten Tec spend some more money on "finish", or should they compete with the "trophy wives" rigs who look good, but don't deliver, and charge more for looks??? I will take performance every time! C'mon folks, you don't have to put a bag over the rig to work it!!. Nuff said.

NA6D

-----Original Message-----

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of James Skalski

Sent: Sunday, November 20, 2011 1:24 PM

To: orion565@yahoogroups.com

Subject: Re: [orion565] Poll results for orion565

My guess is that they read the description of the yahoo group and saw that it covered both. Sometimes you get that idea that radios have all kinds of problems. It might be that those with problems are the most vocal. I see that with most appliance operators such as maytag users :) I never had a problem with the o2 but didn't get a chance to participate in the poll. I think ten tecs are great. I can give more praise when I receive my complimentary O3...

Jim n2go

From: Paul DeWitte <k9ot@...>

To: orion565@yahoogroups.com

Sent: Sunday, November 20, 2011 3:25 PM

Subject: Re: [orion565] Poll results for orion565

Dont know who took the survey but a 565 is not an Orion II.

----- Original Message -----

From: <orion565@yahoogroups.com>

To: <orion565@yahoogroups.com>

Sent: Sunday, November 20, 2011 12:58 PM

Subject: [orion565] Poll results for orion565

>

> The following orion565 poll is now closed. Here are the

> final results:

>

>

> POLL QUESTION: How many times did your Orion II require warranty repair?

>

> CHOICES AND RESULTS

> - zero , 31 votes, 77.50%

> - once , 6 votes, 15.00%

> - twice, 3 votes, 7.50%

> - three , 0 votes, 0.00%

> - four or more, 0 votes, 0.00%

>

>

>

> For more information about this group, please visit

> http://groups.yahoo.com/group/orion565

>

> For help with Yahoo! Groups, please visit

> http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.html

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> Yahoo! Groups Links

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Yahoo! Groups Links

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7295. Re: Filters for 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-22 03:42:42 UTC
From: rdepierre
Topic: 7282 Message: 7295

I think I'll take issue with the statement that the 565 uses lossy filters that requires an extra gain stage that causes extra IMD.

I remember reading the ARRL review just after the 565 came out many years ago. It included a statement that said something akin to what was repeated above. It's the IMD part that I take issue with.

Yes, the narrow filters have more loss than wider ones (actually 7.6dB for the 8-pole 500Hz filter). And yes, there is an extra gain stage to make its insertion sound seamless (gain equal to the filter loss). But that gain stage is located after the first mixer, which causes the overwhelming amount of intermod distortion. That gain stage doesn't cause any distortion by itself, but can cause it at the next distortion block down the chain ☐ at the second mixer. It's just not possible for any distortion caused by the second mixer to be anywhere near as high as that caused by the first mixer. I don't buy the statement that gain stages in the filter chain cause any measurable IMD.

My position is that the filter architecture of the 565 is far superior to that of the 566. In the 565 you have two banks of cascaded filters (the second bank requiring said amp). All of the filters are 8-pole types. The 566 uses a single bank of filters, all of the 4-pole variety.

We all know that 8-pole filters are better performers than 4-pole filters. The transition band is a lot steeper, and the stopband is deeper. It's always that way, unless you build them wrong. When filters are cascaded, the performance multiplies. Two 8-pole filters cascaded give the approximate performance of 16-poles. 8-pole filters also cost more, usually more than double the 4-pole counterparts.

I think the ARRL test unit was received early and hurriedly put together, and they neglected to tune the narrow filters. Remember the 565 design followed quickly on the demise of the Omni VI, whose narrow filters were used in the 565, and off the IF frequency by 750 Hz. The user must tweak those filters to get them lined up properly. If you don't get it right, you get performance data that looks a lot like what ARRL talked about in their review. I have measured a number of 565 and 566 transceivers, and have never found the narrow filters in the 565 to decrease the IMD one little bit.

TenTec's claim that they improved the performance by making the filters cheaper is pure advertising hype. Otherwise, would you like to pay more and get less?

I don't care how good their DSP filters are (and they are very
good), the crystal filter transition band does count. And the stopband
depth does count. A 95 dB dynamic range is meant to protect against
signals up to S9+40. Signals this loud are almost enough to start a
fire in my first mixer. In CW DX contests I hear wall-to-wall signals
this loud. At S9+41 I'm dead meat. If I'm going to slug it out
with the big boys, I'm not about to throw some anemic 4-pole filters
at the problem.

Bob, k8ki

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Per, you will notice no difference in performance between the Inrad
and TT
> filters in the 565. These are roofing filters and only need to provide
> perhaps 20-30dB of attenuation such that the hardware AGC isn't
triggered
> by s9++ off-channel signals. Once that is achieved, the dsp filtering
does
> the rest.
>
> Many savvy 565 users do not use the 500 and 250hz filter slots because
> those two filter slots involve an extra stage of amplification in the
565
> and cause excess IMD. Instead, they install the Inrad 600hz filter in
> place of the Orion's stock 1Khz filter. The 566 Orion II corrected
this
> problem by using filters in those two slots with fewer poles and less
loss
> and eliminating the extra amplification.
>
> 73, Barry N1EU
>
> On Sat, Nov 19, 2011 at 10:15 AM, Per Bekker-Madsen oz1eqc@...wrote:
>
> > **
> >
> >
> > Hi
> > Anyone with knowledge of the difference between the TT 1.8, 400 and
250
> > stock filters compared with the Inrad versions of same? When I look
at the
> > skirts of the filters there is a big difference in advantage of the
Inrad
> > filters. E.g. the 250Hz has a BW6 on 455Hz on the TT stock filter
and
> > Inrads shows BW6 on 315Hz comments will be appreciated before I
order these
> > three filters.
> >

> > TIA
> >
> > OV2V/OZ1EQC
> >
> > Per
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> [Non-text portions of this message have been removed]
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7296. Re: [orion565] Re: Filters for 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-22 12:19:41 UTC
From: Barry N1EU
Topic: 7282 Message: 7296

On Mon, Nov 21, 2011 at 10:42 PM, rdepierre <k8ki@...> wrote:

> **
>
>
> I don't care how good their DSP filters are (and they are very
> good), the crystal filter transition band does count. . . I'm not about to
> throw some anemic 4-pole filters
> at the problem.
>

Yes, the crystal filter transition band counts but only until there's sufficient attenuation such that the dynamic range of the ADC isn't exceeded. All that's needed is 20-30dB attenuation on signals that are s9++. DSP filtering does the rest.

You don't need cascaded filters and 4-pole filters are almost always enough. Ten-Tec (with the 566) and Elecraft (with the K3) both reached this conclusion.

DSP i.f. radios with roofing filters have completely different crystal filtering requirements when compared to analog i.f. radios.

Barry N1EU

[Non-text portions of this message have been removed]

7297. Orion II - noisy relay poll

Yahoo group: orion565 (2009 — 2013)
Date: 2011-11-27 15:33:54 UTC
From: floydsense
Topic: 7297 Message: 7297

Thanks very much to the 27 other Orion II owners who responded to the poll. I think it's clear that the relay noise amplitude varies quite a bit across units. From searching the archives of a couple of forums, I see that others have made attempts at quieting the noise with mixed success. I'll report later on what I'm able to accomplish in reducing the noise. Here are the poll results:

POLL QUESTION: For Orion II owners: When operating CW, one of the relays in the Orion II makes a distinct ticking sound on the trailing edge of dots and dashes. This relay follows the keying even with 100% delay selected and can be quite an irritant. Some report little or no relay noise, while others can hear it in the next room. What is your experience with this relay noise?

CHOICES AND RESULTS
- I don't operate CW, 3 votes, 10.71%
- I don't hear the relay noise when keying, 10 votes, 35.71%
- The noise is barely audible, 8 votes, 28.57%
- The noise is loud enough at the operating position to be irritating, 4 votes, 14.29%
- The noise is loud enough to be heard in the next room, 3 votes, 10.71%

73, Floyd - K8AC

7298. TenTec Coffee cup wanted.

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-02 02:16:38 UTC
From: Frankie
Topic: 7297 Message: 7298

Anyone have a spare TenTec coffee cup? (or two) I broke my cup and need a replacement. The current cup that TenTec sells is slightly different from the old one. The new one has a thinner lip and doesn't feel like my old one, which got busted. I miss my old cup and hope someone has one (or two) that they would sell. (the old one says "America's Finest" below the TenTec logo, that's missing on the new cup)

I've been using this cup exclusively for the past 5 or 6 years and would like to get an exact replacement (and a spare if available). It's a long shot but it doesn't hurt to ask!

Thanks,
Frankie
K4TEN

7299. Orion II Main Freq Adjustment

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-03 16:33:49 UTC
From: Sugar Bear
Topic: 7299 Message: 7299

I just started having a strange problem, and am sure it is just operator error, so was hoping another Orion II operator could assist.

My main frequency changes in 5 Hz increments. Trying to get to 3.737 and the closest I can get is 3.735. I can make the adjustment fine on the sub-receeiver. When I twist the VFO A it makes 5 Hz jumps.

I went to the menu, selected "step" and "1 Hz" but no change.

7300. Re: [orion565] Orion II Main Freq Adjustment

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-03 17:04:43 UTC
From: Barry N1EU
Topic: 7299 Message: 7300

Push "Main RX" button before going to Step - 1Hz

73, Barry N1EU

On Sat, Dec 3, 2011 at 4:33 PM, Sugar Bear <sugar_bears_home@...>wrote:

> **
>
>
> I just started having a strange problem, and am sure it is just operator
> error, so was hoping another Orion II operator could assist.
>
> My main frequency changes in 5 Hz increments. Trying to get to 3.737 and
> the closest I can get is 3.735. I can make the adjustment fine on the
> sub-receeiver. When I twist the VFO A it makes 5 Hz jumps.
>
> I went to the menu, selected "step" and "1 Hz" but no change.
>
>
>

[Non-text portions of this message have been removed]

7301. Orion I 565 audio problems

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-03 17:07:13 UTC
From: fverlezza
Topic: 7301 Message: 7301

Anyone had problems with headphones/loud speaker ???
Soudenlly audio disapear or a series of scratching noise appear in the headphones.
This defect heppen, sometimes, also using loud speaker.

The rig has been alreday reseted and i also tried differents firmware....

No way, Time to time this defect appears....

Who can help me?

73

Filippo

7302. Re: [orion565] Orion I 565 audio problems

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-03 18:21:55 UTC
From: Richard
Topic: 7301 Message: 7302

I had to resolder speaker plug. Wires were not soldered good.

C. Richard Pumphrey

On Dec 3, 2011, at 12:07 PM, "fverlezza" <fverlezza@...> wrote:

> Anyone had problems with headphones/loud speaker ???
> Soudenlly audio disapear or a series of scratching noise appear in the headphones.
> This defect heppen, sometimes, also using loud speaker.
>
> The rig has been alreday reseted and i also tried differents firmware....
>
> No way, Time to time this defect appears....
>
> Who can help me?
>
> 73
>
> Filippo
>
>

[Non-text portions of this message have been removed]

7303. RE: [orion565] Orion II Main Freq Adjustment

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-03 20:07:44 UTC
From: Stephen Cannon
Topic: 7299 Message: 7303

Thanks Barry, that fixed it. The “Main RX” button was already lit, so I figured that I did not need to press it – my mistake.

Stephen AD7TD

From: Barry N1EU

Push "Main RX" button before going to Step - 1Hz

73, Barry N1EU

On Sat, Dec 3, 2011 at 4:33 PM, Sugar Bear <sugar_bears_home@...
<mailto:sugar_bears_home%40yahoo.com> >wrote:

> **
>
>
> I just started having a strange problem, and am sure it is just operator
> error, so was hoping another Orion II operator could assist.
>
> My main frequency changes in 5 Hz increments. Trying to get to 3.737 and
> the closest I can get is 3.735. I can make the adjustment fine on the
> sub-receeiver. When I twist the VFO A it makes 5 Hz jumps.
>
> I went to the menu, selected "step" and "1 Hz" but no change.
>

[Non-text portions of this message have been removed]

7304. Re: Orion I 565 audio problems

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-04 10:46:50 UTC
From: pa1ap
Topic: 7301 Message: 7304

Similar experience for the chassis speaker connector. It made poor contact and moving the plug a little caused scratching noise and often lower audio presence. I still need to replace the connector. I cleaned contacts but it seems more lack of contact pressure than dirty contacts. I will order replacement connector as well battery since it is about to expire on me :-) regards onno
--- In orion565@yahoogroups.com, Richard <wn9ddv@...> wrote:
>
> I had to resolder speaker plug. Wires were not soldered good.
>
> C. Richard Pumphrey
>
>
> On Dec 3, 2011, at 12:07 PM, "fverlezza" <fverlezza@...> wrote:
>
> > Anyone had problems with headphones/loud speaker ???
> > Soudenlly audio disapear or a series of scratching noise appear in the headphones.
> > This defect heppen, sometimes, also using loud speaker.
> >
> > The rig has been alreday reseted and i also tried differents firmware....
> >
> > No way, Time to time this defect appears....
> >
> > Who can help me?
> >
> > 73
> >
> > Filippo
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

7315. HRD with Original Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-04 20:38:01 UTC
From: amfone
Topic: 7315 Message: 7315

Hello

I'm using the original Orion with HRD but when I push the TX button on the software program the Orion goes into transmit mode but there is no audio when talking into the mic. Any suggestions.

Thanks Tim
WB8UHZ

[Non-text portions of this message have been removed]

7321. RE: [orion565] HRD with Original Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-05 03:54:46 UTC
From: art davis
Topic: 7315 Message: 7321

Make sure you have the input source set to "MIC" or "BOTH" in the SSB menu and the mic gain is adjusted to a level just short of causing the ALC red light to blink on audio peaks.

73, Art

To: orion565@yahoogroups.com
From: amfone20000@...
Date: Sun, 4 Dec 2011 12:38:01 -0800
Subject: [orion565] HRD with Original Orion

Hello

I'm using the original Orion with HRD but when I push the TX button on the software program the Orion goes into transmit mode but there is no audio when talking into the mic. Any suggestions.

Thanks Tim

WB8UHZ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7323. Re: [orion565] HRD with Original Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-05 08:55:09 UTC
From: amfone
Topic: 7315 Message: 7323

Art

I have both set up as you noted still no audio.

Thanks Tim

WB8UHZ

From: art davis <n4uc@...>
To: orion565@yahoogroups.com
Sent: Sunday, December 4, 2011 10:54 PM
Subject: RE: [orion565] HRD with Original Orion

Make sure you have the input source set to "MIC" or "BOTH" in the SSB menu and the mic gain is adjusted to a level just short of causing the ALC red light to blink on audio peaks.

73, Art

To: orion565@yahoogroups.com
From: amfone20000@...
Date: Sun, 4 Dec 2011 12:38:01 -0800
Subject: [orion565] HRD with Original Orion

Hello

I'm using the original Orion with HRD but when I push the TX button on the software program the Orion goes into transmit mode but there is no audio when talking into the mic. Any suggestions.

Thanks Tim

WB8UHZ

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Yahoo! Groups Links

[Non-text portions of this message have been removed]

7325. RE: [orion565] HRD with Original Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-05 20:39:55 UTC
From: art davis
Topic: 7315 Message: 7325

Is your audio (if you had any, that is) going into the Orion via the mic plug or the AUX-IN connector on the back? The reason I'm asking all this is that for about the first year after I took ownership of my Orion I had the same problem. No matter what I did I could not transmit audio through the AUX-IN connector. As it turned out, I was trying to use it in VOX mode and not PTT. Everything started working great when I connected the PTT/CW input to my USB Signalink. For what it's worth.

To: orion565@yahoogroups.com
From: amfone20000@...
Date: Mon, 5 Dec 2011 00:55:09 -0800
Subject: Re: [orion565] HRD with Original Orion

Art

I have both set up as you noted still no audio.

Thanks Tim

WB8UHZ

From: art davis <n4uc@...>

To: orion565@yahoogroups.com

Sent: Sunday, December 4, 2011 10:54 PM

Subject: RE: [orion565] HRD with Original Orion

Make sure you have the input source set to "MIC" or "BOTH" in the SSB menu and the mic gain is adjusted to a level just short of causing the ALC red light to blink on audio peaks.

73, Art

To: orion565@yahoogroups.com

From: amfone20000@...

Date: Sun, 4 Dec 2011 12:38:01 -0800

Subject: [orion565] HRD with Original Orion

Hello

I'm using the original Orion with HRD but when I push the TX button on the software program the Orion goes into transmit mode but there is no audio when talking into the mic. Any suggestions.

Thanks Tim

WB8UHZ

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Yahoo! Groups Links

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[Non-text portions of this message have been removed]

7326. Re: [orion565] HRD with Original Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-05 21:26:01 UTC
From: amfone
Topic: 7315 Message: 7326

Thanks I'm using the mic input and when I energize the Orion to transmit manually the audio is all OK . However when I do so with HRD the transmitter will go into xmit but no audio from the mic.

Wait I do not have it connected to the Signal link, I don't have the right connector all I have is an Icom connector, wonder if that would work?

Thanks Tim

From: art davis <n4uc@...>
To: orion565@yahoogroups.com
Sent: Monday, December 5, 2011 3:39 PM
Subject: RE: [orion565] HRD with Original Orion

Is your audio (if you had any, that is) going into the Orion via the mic plug or the AUX-IN connector on the back? The reason I'm asking all this is that for about the first year after I took ownership of my Orion I had the same problem. No matter what I did I could not transmit audio through the AUX-IN connector. As it turned out, I was trying to use it in VOX mode and not PTT. Everything started working great when I connected the PTT/CW input to my USBSignalink. For what it's worth.

To: orion565@yahoogroups.com
From: amfone20000@...
Date: Mon, 5 Dec 2011 00:55:09 -0800
Subject: Re: [orion565] HRD with Original Orion

Art

I have both set up as you noted still no audio.

Thanks Tim

WB8UHZ

From: art davis <n4uc@...>

To: orion565@yahoogroups.com

Sent: Sunday, December 4, 2011 10:54 PM

Subject: RE: [orion565] HRD with Original Orion

Make sure you have the input source set to "MIC" or "BOTH" in the SSB menu and the mic gain is adjusted to a level just short of causing the ALC red light to blink on audio peaks.

73, Art

To: orion565@yahoogroups.com

From: amfone20000@...

Date: Sun, 4 Dec 2011 12:38:01 -0800

Subject: [orion565] HRD with Original Orion

Hello

I'm using the original Orion with HRD but when I push the TX button on the software program the Orion goes into transmit mode but there is no audio when talking into the mic. Any suggestions.

Thanks Tim

WB8UHZ

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Yahoo! Groups Links

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[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

7330. Orion SSB rcv audio

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-06 15:23:38 UTC
From: Paul DeWitte
Topic: 7330 Message: 7330

My Orion has the latest firmware 2064X11. On SSB the receieve audio leaves something to be desired. No one sounds natural. Playing with PBT does not help (that fixes it on my CII).Most sound higher pitched like you are off freq. But that is not the cure.

Is there something in the firmware that I can change to make it sound better?

Any suggestions?

Thanks,73
Paul K9OT

7331. Re: [orion565] Orion SSB rcv audio

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-06 15:42:25 UTC
From: Barry N1EU
Topic: 7330 Message: 7331

On Tue, Dec 6, 2011 at 10:23 AM, Paul DeWitte <k9ot@...> wrote:
> My Orion has the latest firmware 2064X11. On SSB the receieve audio leaves
> something to be desired.
>
> Any suggestions?
>

Suggestions:

1. Make a recording and post the file to
http://groups.yahoo.com/group/orion565/files/ so we can hear what the
issue is and comment

2. Do a master reset of your Orion and see if the problem is resolved.

3. Does USB and LSB both sound the same?

What are these settings: width, RX EQ, PBT?

The Orion ssb rx audio should sound fb to even the most picky listener.

Barry N1EU

7332. Re: [orion565] Orion SSB rcv audio

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-06 16:02:22 UTC
From: Paul DeWitte
Topic: 7330 Message: 7332

Hi Barry, I had not played with the RCV EQ. At minus 15db it sounds much
better on both USB and LSB. Should have just read more in the book.

Other than a couple of things that I would change if I designed it, it is a
great radio.

Thanks,73
Paul K9OT

----- Original Message -----
From: "Barry N1EU" <barry.n1eu@...>
To: <orion565@yahoogroups.com>
Sent: Tuesday, December 06, 2011 9:42 AM
Subject: Re: [orion565] Orion SSB rcv audio

> On Tue, Dec 6, 2011 at 10:23 AM, Paul DeWitte <k9ot@...> wrote:
>> My Orion has the latest firmware 2064X11. On SSB the receieve audio
>> leaves
>> something to be desired.
>>
>> Any suggestions?
>>
>
> Suggestions:
>
> 1. Make a recording and post the file to
> http://groups.yahoo.com/group/orion565/files/ so we can hear what the
> issue is and comment
>
> 2. Do a master reset of your Orion and see if the problem is resolved.
>
> 3. Does USB and LSB both sound the same?
>
>
> What are these settings: width, RX EQ, PBT?
>
> The Orion ssb rx audio should sound fb to even the most picky listener.
>
> Barry N1EU
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>

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>

7333. RCV Audio on 565

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-06 16:13:39 UTC
From: Paul DeWitte
Topic: 7333 Message: 7333

Thanks to Barry I think that rcv audio problem is fixed.

Thanks,73
Paul K9OT

7334. Connect MD2 Mic to Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-09 14:39:26 UTC
From: John Huffman
Topic: 7334 Message: 7334

I would like to connect my Elecraft MD2 desk microphone (made by Heil with the ic electret element) to my Orion 565.

The Orion pinout -
1 - mic
2 - mic ground
3- PTT
4 - 9v
Shell - ground

The MD2 pinout -
1 - mic
2 - PTT
6 - 8v
7 - ground
8 - ground

I hooked the mic connections together Orion 1 and MD2 1.
I hooked the grounds together Orion 2 and shell, MD2 7 and 8
I hooked the Orion 9v pin 4 to the MD2 8v pin 6
I'm not using the PTT

I get no audio out of the Orion while listening to the monitor.

I checked continuity on all my connections. I hear the audio from a dynamic ten Tec 701 mic fine on the Orion monitor, so the Orion connector seems to be working. I measured the 9v on both connectors to be sure that was hooked up. The MD2 works fine with the K3, low gain and bias on.

I'm stumped....

73 de K1ESE
John

7335. New Orion-I owner

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-09 22:58:13 UTC
From: Jose V. Gavila
Topic: 7335 Message: 7335

Hi all,

I have just got an Orion-I which had some power supply troubles.
After fixing them, I am now the proud owner of a working Orion-I :-)!

It is serial 06C10xxx and has the v2 mod done. Installed firmware is
2.059d. Am I missing lots of nice goodies compared to latest
firmware?. Should I upgrade to the last one?. Is there any worth
noting bug on the last version?

Thanks for your help!

Best regards,

JOSE
--
73 EB5AGV - JOSE V. GAVILA - IM99sm La Canyada - Valencia(SPAIN)
Radio and Test Equipment....... http://jvgavila.com
RadioRepair BLOG.............. http://radiorepair.blogspot.com

7337. Re: Connect MD2 Mic to Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-10 10:31:05 UTC
From: pa1ap
Topic: 7334 Message: 7337

Hi,

As far as I know Pin 2 is actually negative side of -floating- mic circuit. It is not the same as DC ground.

I am not sure how you measured the voltage on pin 4? I would be suprised if the 9V exists between pin 4 and pin 2. You would find it between pin 4 and chassis... With current wiring do you measure DC voltage over (-) / (+) of electric?

What you have to do is ensure the electric will get its DC power as well the mic circuit is driven correctly.

In theory your mic should be connected in floating manner to pin 1 and pin 2. Mic bias current through resistor between pin 4 and (+) electric. Capacitor from pin 1 to (+) electric as well capacitor from pin 2 to (-) electric. The latter would be a bit weird since you need to ground the (-) electric and as such you would have pin 2 with capacitor to ground. I doubt if thats needed or makes sense.

Unfortunately I do not have electric to test otherwise I would have been able to provide better information. I googled but there seems to be little information on connecting electric to balanced circuitry.

I expect hum to become the next challenge. But first get some audio passing through the cable into the mic circuit :-)

--- In orion565@yahoogroups.com, John Huffman <hjohnc@...> wrote:
>
> I would like to connect my Elecraft MD2 desk microphone (made by Heil
> with the ic electret element) to my Orion 565.
>
> The Orion pinout -
> 1 - mic
> 2 - mic ground
> 3- PTT
> 4 - 9v
> Shell - ground
>
> The MD2 pinout -
> 1 - mic
> 2 - PTT
> 6 - 8v
> 7 - ground
> 8 - ground
>
> I hooked the mic connections together Orion 1 and MD2 1.
> I hooked the grounds together Orion 2 and shell, MD2 7 and 8
> I hooked the Orion 9v pin 4 to the MD2 8v pin 6

> I'm not using the PTT
>
> I get no audio out of the Orion while listening to the monitor.
>
> I checked continuity on all my connections. I hear the audio from a
> dynamic ten Tec 701 mic fine on the Orion monitor, so the Orion
> connector seems to be working. I measured the 9v on both connectors to
> be sure that was hooked up. The MD2 works fine with the K3, low gain
> and bias on.
>
> I'm stumped....
>
> 73 de K1ESE
> John
>

7338. Re: [orion565] Re: Connect MD2 Mic to Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-10 13:43:36 UTC
From: John Huffman
Topic: 7334 Message: 7338

Onno -

I found my answer on another list. I had failed to put a 4.7K ohm resistor between pin 4 and pin 1 for the bias on the electret mic element. I then hooked the MH2 pin 1 to the Orion pin 1 and the MH2 ground pin 2 to the Orion ground pins 7 and 8.

It works great with good audio reports.

Thanks for the info and the help.

73 de K1ESE
John

On 12/10/2011 5:31 AM, pa1ap wrote:
>
> Hi,
>
> As far as I know Pin 2 is actually negative side of -floating- mic
> circuit. It is not the same as DC ground.
>
> I am not sure how you measured the voltage on pin 4? I would be
> suprised if the 9V exists between pin 4 and pin 2. You would find it
> between pin 4 and chassis... With current wiring do you measure DC
> voltage over (-) / (+) of electric?
>
> What you have to do is ensure the electric will get its DC power as
> well the mic circuit is driven correctly.
>
> In theory your mic should be connected in floating manner to pin 1 and
> pin 2. Mic bias current through resistor between pin 4 and (+)
> electric. Capacitor from pin 1 to (+) electric as well capacitor from
> pin 2 to (-) electric. The latter would be a bit weird since you need
> to ground the (-) electric and as such you would have pin 2 with
> capacitor to ground. I doubt if thats needed or makes sense.
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> Unfortunately I do not have electric to test otherwise I would have
> been able to provide better information. I googled but there seems to
> be little information on connecting electric to balanced circuitry.
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> I expect hum to become the next challenge. But first get some audio
> passing through the cable into the mic circuit :-)
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>,
> John Huffman <hjohnc@...> wrote:
> >

> > I would like to connect my Elecraft MD2 desk microphone (made by Heil
> > with the ic electret element) to my Orion 565.
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> > The Orion pinout -
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> > 1 - mic
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> > 6 - 8v
> > 7 - ground
> > 8 - ground
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> > I hooked the mic connections together Orion 1 and MD2 1.
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> > I hooked the Orion 9v pin 4 to the MD2 8v pin 6
> > I'm not using the PTT
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> > I get no audio out of the Orion while listening to the monitor.
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> > connector seems to be working. I measured the 9v on both connectors to
> > be sure that was hooked up. The MD2 works fine with the K3, low gain
> > and bias on.
> >
> > I'm stumped....
> >
> > 73 de K1ESE
> > John
> >
>
>

[Non-text portions of this message have been removed]

7339. Re: Connect MD2 Mic to Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-10 21:02:09 UTC
From: pa1ap
Topic: 7334 Message: 7339

Excellent! I just checked schematics and your setup should indeed just work. I always assumed symetrical connection but within the rig a 100k potentiometer is used and center connects to capacitor to decouple DC from mic amplifier. Your setup provides the DC bias to mic and won't harm the internal amplifier. I should have checked schematic before replying.... anyway you got it to work and that's most important. Best regards onno
--- In orion565@yahoogroups.com, John Huffman <hjohnc@...> wrote:
>
> Onno -
>
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> resistor between pin 4 and pin 1 for the bias on the electret mic
> element. I then hooked the MH2 pin 1 to the Orion pin 1 and the MH2
> ground pin 2 to the Orion ground pins 7 and 8.
>
> It works great with good audio reports.
>
> Thanks for the info and the help.
>
> 73 de K1ESE
> John
>
> On 12/10/2011 5:31 AM, pa1ap wrote:
> >
> > Hi,
> >
> > As far as I know Pin 2 is actually negative side of -floating- mic
> > circuit. It is not the same as DC ground.
> >
> > I am not sure how you measured the voltage on pin 4? I would be
> > suprised if the 9V exists between pin 4 and pin 2. You would find it
> > between pin 4 and chassis... With current wiring do you measure DC
> > voltage over (-) / (+) of electric?
> >
> > What you have to do is ensure the electric will get its DC power as
> > well the mic circuit is driven correctly.
> >
> > In theory your mic should be connected in floating manner to pin 1 and
> > pin 2. Mic bias current through resistor between pin 4 and (+)
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> > pin 2 to (-) electric. The latter would be a bit weird since you need
> > to ground the (-) electric and as such you would have pin 2 with
> > capacitor to ground. I doubt if thats needed or makes sense.
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> > been able to provide better information. I googled but there seems to

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> > passing through the cable into the mic circuit :-)
> >
> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>,
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> > > 4 - 9v
> > > Shell - ground
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> > > 2 - PTT
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> > > I hooked the mic connections together Orion 1 and MD2 1.
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> > > I'm not using the PTT
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> > > I get no audio out of the Orion while listening to the monitor.
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> > > connector seems to be working. I measured the 9v on both connectors to
> > > be sure that was hooked up. The MD2 works fine with the K3, low gain
> > > and bias on.
> > >
> > > I'm stumped....
> > >
> > > 73 de K1ESE
> > > John
> > >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

7340. Re: Connect MD2 Mic to Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-10 21:05:09 UTC
From: pa1ap
Topic: 7334 Message: 7340

Excellent! I just checked schematics and your setup should indeed just work. I always assumed symetrical connection but within the rig a 100k potentiometer is used and center connects to capacitor to decouple DC from mic amplifier. Your setup provides the DC bias to mic and won't harm the internal amplifier. I should have checked schematic before replying.... anyway you got it to work and that's most important. Best regards onno
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>
> Onno -
>
> I found my answer on another list. I had failed to put a 4.7K ohm
> resistor between pin 4 and pin 1 for the bias on the electret mic
> element. I then hooked the MH2 pin 1 to the Orion pin 1 and the MH2
> ground pin 2 to the Orion ground pins 7 and 8.
>
> It works great with good audio reports.
>
> Thanks for the info and the help.
>
> 73 de K1ESE
> John
>
> On 12/10/2011 5:31 AM, pa1ap wrote:
> >
> > Hi,
> >
> > As far as I know Pin 2 is actually negative side of -floating- mic
> > circuit. It is not the same as DC ground.
> >
> > I am not sure how you measured the voltage on pin 4? I would be
> > suprised if the 9V exists between pin 4 and pin 2. You would find it
> > between pin 4 and chassis... With current wiring do you measure DC
> > voltage over (-) / (+) of electric?
> >
> > What you have to do is ensure the electric will get its DC power as
> > well the mic circuit is driven correctly.
> >
> > In theory your mic should be connected in floating manner to pin 1 and
> > pin 2. Mic bias current through resistor between pin 4 and (+)
> > electric. Capacitor from pin 1 to (+) electric as well capacitor from
> > pin 2 to (-) electric. The latter would be a bit weird since you need
> > to ground the (-) electric and as such you would have pin 2 with
> > capacitor to ground. I doubt if thats needed or makes sense.
> >
> > Unfortunately I do not have electric to test otherwise I would have
> > been able to provide better information. I googled but there seems to

> > be little information on connecting electric to balanced circuitry.
> >
> > I expect hum to become the next challenge. But first get some audio
> > passing through the cable into the mic circuit :-)
> >
> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>,
> > John Huffman <hjohnc@> wrote:
> > >
> > > I would like to connect my Elecraft MD2 desk microphone (made by Heil
> > > with the ic electret element) to my Orion 565.
> > >
> > > The Orion pinout -
> > > 1 - mic
> > > 2 - mic ground
> > > 3- PTT
> > > 4 - 9v
> > > Shell - ground
> > >
> > > The MD2 pinout -
> > > 1 - mic
> > > 2 - PTT
> > > 6 - 8v
> > > 7 - ground
> > > 8 - ground
> > >
> > > I hooked the mic connections together Orion 1 and MD2 1.
> > > I hooked the grounds together Orion 2 and shell, MD2 7 and 8
> > > I hooked the Orion 9v pin 4 to the MD2 8v pin 6
> > > I'm not using the PTT
> > >
> > > I get no audio out of the Orion while listening to the monitor.
> > >
> > > I checked continuity on all my connections. I hear the audio from a
> > > dynamic ten Tec 701 mic fine on the Orion monitor, so the Orion
> > > connector seems to be working. I measured the 9v on both connectors to
> > > be sure that was hooked up. The MD2 works fine with the K3, low gain
> > > and bias on.
> > >
> > > I'm stumped....
> > >
> > > 73 de K1ESE
> > > John
> > >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

7341. LOOKING FOR: TEN TEC ORION 2

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-16 22:06:04 UTC
From: Bob
Topic: 7341 Message: 7341

Looking for late model (2011) ORION 2, but will consider others. Please email information including price,thanks.

7343. Orion 565 cw sidetone frequency

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-21 03:10:25 UTC
From: chasnels@bellsouth.net
Topic: 7343 Message: 7343

Just received my first 565 a few days ago. So far, I like it!

The radio has the 2.064 firmware installed.

I have noticed that after transmitting FSK, if I switch to cw mode via a band stacking register or a memory channel, the cw sidetone frequency has shifted to the FSK monitor tone frequency. If I manually set the mode to cw, the sidetone frequency returns to normal. Has anybody else noticed this?

Chas, N4FW

7344. RE: [orion565] Orion 565 cw sidetone frequency

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-21 04:16:41 UTC
From: Duane Calvin
Topic: 7343 Message: 7344

Yes, I've seen the same behavior. I don't know if a later level of firmware will correct that or not.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of chasnels@...
Sent: Tuesday, December 20, 2011 9:10 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion 565 cw sidetone frequency

Just received my first 565 a few days ago. So far, I like it!

The radio has the 2.064 firmware installed.

I have noticed that after transmitting FSK, if I switch to cw mode via a band stacking register or a memory channel, the cw sidetone frequency has shifted to the FSK monitor tone frequency. If I manually set the mode to cw, the sidetone frequency returns to normal. Has anybody else noticed this?

Chas, N4FW

Yahoo! Groups Links

7345. Re: LCD display dims or blank when xmit CW high power

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-23 05:49:36 UTC
From: n4uc_2
Topic: 7161 Message: 7345

Exact same problem here. Measured the -20.5VDC output voltage on the A9 board and it was down to -17V, lower when transmitting. I replaced capacitors C1 thru C-5 and now the display comes up immediately when powered on, and is rock solid during cw. I used RadioShack capacitors just to see if that would solve the problem. If it happens again I'll know where to look. Good luck, 73

--- In orion565@yahoogroups.com, "storygene" <k7txo@...> wrote:
>
> What would cause the LCD display to flicker/dim when transmitting CW at above 25 watts? The issue gets progressively worse as I increase RF transmit power to the point where at 100 watts, the display blanks completely in step with CW tranmission.
>
> On SSB, no issue or at least not that my eyes can discern?
>
> Power supply and rig are well grounded. SWR match excellent. Different antennas and dummy load make no difference. ASTRON SS-30M connected direct or through my power pole distribution; same difference.
>
> CW on my KENWOOD TS-2000 using same power supply and power pole distribution and same antennas and dummy load works fine at full 100 watts.
>
> Although the power connector pins at the back of the rig look ok and the connector body seems to latch on ok, could this perhaps be a high resistance connection of the molex pins showing up under more of a load in CW mode?
>
> Gene / K7TXO
>

7346. Re: LCD display dims or blank when xmit CW high power

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-23 11:14:27 UTC
From: storygene
Topic: 7161 Message: 7346

Yes, I have heard some issues requiring some component changes to solve. In my case, my issue turned out to be all external. Ultimately I tossed the factory power cable. A new connector with heavier gauge of cable x four feet long and presto; my Orion has been solid as a rock ever since in any mode at any power setting.

Someday if I have to take the radio down for some sort of service, I will eliminate the factory power connectors and fuse holder. At this time I am thinking more along the line of a chassis strain relief with xx inch length of cable exiting the rig into an ANDERSON power pole with shell locks that keep the mating halves held together. A pair of ferrite cores with quality in line fuse holders on each line will be on this pigtail.

While most people probably prefer a rear panel connector, I am leaning toward this plan.

Meanwhile this rig absolutely blows me away re how well it works. Sort of like learning how to drive a manual transmission. Wrong gear and/or slip clutch too much or not enough, not the optimum results. Once I learned how to really "drive" this rig, nothing else will do!

Gene / K7TXO

--- In orion565@yahoogroups.com, "n4uc_2" <n4uc@...> wrote:
>
> Exact same problem here. Measured the -20.5VDC output voltage on the A9 board and it was down to -17V, lower when transmitting. I replaced capacitors C1 thru C-5 and now the display comes up immediately when powered on, and is rock solid during cw. I used RadioShack capacitors just to see if that would solve the problem. If it happens again I'll know where to look. Good luck, 73
>
> --- In orion565@yahoogroups.com, "storygene" <k7txo@> wrote:
> >
> > What would cause the LCD display to flicker/dim when transmitting CW at above 25 watts? The issue gets progressively worse as I increase RF transmit power to the point where at 100 watts, the display blanks completely in step with CW tranmission.
> >
> > On SSB, no issue or at least not that my eyes can discern?
> >
> > Power supply and rig are well grounded. SWR match excellent. Different antennas and dummy load make no difference. ASTRON SS-30M connected direct or through my power pole distribution; same difference.
> >
> > CW on my KENWOOD TS-2000 using same power supply and power pole distribution and same antennas and dummy load works fine at full 100 watts.
> >
> > Although the power connector pins at the back of the rig look ok and the connector body seems to latch on ok, could this perhaps be a high resistance connection of the molex pins showing up under more of a load in CW mode?
> >

> > Gene / K7TXO
> >
>

7347. RE: [orion565] Re: LCD display dims or blank when xmit CW high power

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-23 14:01:47 UTC
From: John Hudson
Topic: 7161 Message: 7347

I have had both issues with the power distribution board and the factory moles connector.. Did the repairs on the board myself (look up K7HP and N6IE for details) and replaced the 2 cent connector with a hardwired power cord. The pins in the molex spread apart and had been arching and was building up resistance.

If I ever have to take the rear assembly apart again, I'll replace the connector with power poles too

John

KO4XJ
Merry CHRISTmas

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of storygene
Sent: Friday, December 23, 2011 5:14 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: LCD display dims or blank when xmit CW high power

Yes, I have heard some issues requiring some component changes to solve. In my case, my issue turned out to be all external. Ultimately I tossed the factory power cable. A new connector with heavier gauge of cable x four feet long and presto; my Orion has been solid as a rock ever since in any mode at any power setting.

Someday if I have to take the radio down for some sort of service, I will eliminate the factory power connectors and fuse holder. At this time I am thinking more along the line of a chassis strain relief with xx inch length of cable exiting the rig into an ANDERSON power pole with shell locks that keep the mating halves held together. A pair of ferrite cores with quality in line fuse holders on each line will be on this pigtail.

While most people probably prefer a rear panel connector, I am leaning toward this plan.

Meanwhile this rig absolutely blows me away re how well it works. Sort of like learning how to drive a manual transmission. Wrong gear and/or slip clutch too much or not enough, not the optimum results. Once I learned how to really "drive" this rig, nothing else will do!

Gene / K7TXO

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "n4uc_2" <n4uc@...> wrote:
>
> Exact same problem here. Measured the -20.5VDC output voltage on the A9

board and it was down to -17V, lower when transmitting. I replaced capacitors C1 thru C-5 and now the display comes up immediately when powered on, and is rock solid during cw. I used RadioShack capacitors just to see if that would solve the problem. If it happens again I'll know where to look. Good luck, 73
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "storygene" <k7txo@> wrote:
> >
> > What would cause the LCD display to flicker/dim when transmitting CW at above 25 watts? The issue gets progressively worse as I increase RF transmit power to the point where at 100 watts, the display blanks completely in step with CW tranmission.
> >
> > On SSB, no issue or at least not that my eyes can discern?
> >
> > Power supply and rig are well grounded. SWR match excellent. Different antennas and dummy load make no difference. ASTRON SS-30M connected direct or through my power pole distribution; same difference.
> >
> > CW on my KENWOOD TS-2000 using same power supply and power pole distribution and same antennas and dummy load works fine at full 100 watts.
> >
> > Although the power connector pins at the back of the rig look ok and the connector body seems to latch on ok, could this perhaps be a high resistance connection of the molex pins showing up under more of a load in CW mode?
> >
> > Gene / K7TXO
> >
>

[Non-text portions of this message have been removed]

7348. RE: [orion565] Re: LCD display dims or blank when xmit CW high power

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-23 19:21:00 UTC
From: art davis
Topic: 7161 Message: 7348

Glad you got it resolved.
And yes, I went with the pigtail cable with the power poles on the end. I made it about 12" long and secured it with a cable clamp. Works great. I was a little nervous about having those rigid power poles sticking out of the chassis for fear they might get hit and break the PC board.
Ditto to all your other remarks! Great radio.

To: orion565@yahoogroups.com
From: k7txo@...
Date: Fri, 23 Dec 2011 11:14:27 +0000
Subject: [orion565] Re: LCD display dims or blank when xmit CW high power

Yes, I have heard some issues requiring some component changes to solve. In my case, my issue turned out to be all external. Ultimately I tossed the factory power cable. A new connector with heavier gauge of cable x four feet long and presto; my Orion has been solid as a rock ever since in any mode at any power setting.

Someday if I have to take the radio down for some sort of service, I will eliminate the factory power connectors and fuse holder. At this time I am thinking more along the line of a chassis strain relief with xx inch length of cable exiting the rig into an ANDERSON power pole with shell locks that keep the mating halves held together. A pair of ferrite cores with quality in line fuse holders on each line will be on this pigtail.

While most people probably prefer a rear panel connector, I am leaning toward this plan.

Meanwhile this rig absolutely blows me away re how well it works. Sort of like learning how to drive a manual transmission. Wrong gear and/or slip clutch too much or not enough, not the optimum results. Once I learned how to really "drive" this rig, nothing else will do!

Gene / K7TXO

--- In orion565@yahoogroups.com, "n4uc_2" <n4uc@...> wrote:

>

> Exact same problem here. Measured the -20.5VDC output voltage on the A9 board and it was down to -17V, lower when transmitting. I replaced capacitors C1 thru C-5 and now the display comes up immediately when powered on, and is rock solid during cw. I used RadioShack capacitors just to see if that would solve the problem. If it happens again I'll know where to look. Good luck, 73

>

> --- In orion565@yahoogroups.com, "storygene" <k7txo@> wrote:

> >

> > What would cause the LCD display to flicker/dim when transmitting CW at above 25 watts? The issue gets progressively worse as I increase RF transmit power to the point where at 100 watts, the display blanks completely in step with CW tranmission.

> >

> > On SSB, no issue or at least not that my eyes can discern?

> >

> > Power supply and rig are well grounded. SWR match excellent. Different antennas and dummy load make no difference. ASTRON SS-30M connected direct or through my power pole distribution; same difference.

> >

> > CW on my KENWOOD TS-2000 using same power supply and power pole distribution and same antennas and dummy load works fine at full 100 watts.

> >

> > Although the power connector pins at the back of the rig look ok and the connector body seems to latch on ok, could this perhaps be a high resistance connection of the molex pins showing up under more of a load in CW mode?

> >

> > Gene / K7TXO

> >

>

[Non-text portions of this message have been removed]

7349. Orion 565 change to mic circuit pre / post 2004?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-30 23:37:49 UTC
From: pa1ap
Topic: 7349 Message: 7349

Greetings,

Can someone advice on the actual change applied to the mic circuit on the 565? The tentec wiki provides conflicting information as well does not explain what actually changed.... I know pin 2 is either connected to chassis or not... any factual information when unit is pre / post mic change? As well what actually changed?

Thanks and best regards, Onno de pa1ap

7350. Orion s-meter calibration

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-31 13:47:07 UTC
From: Barry N1EU
Topic: 7350 Message: 7350

Does anyone know the procedure for calibrating the Orion s-meter? Are there hardware pots that can be adjusted?

Thanks & Happy New Year,
Barry N1EU

7351. Orion II and KPA500 amp?

Yahoo group: orion565 (2009 — 2013)
Date: 2011-12-31 20:15:58 UTC
From: k0xb3
Topic: 7351 Message: 7351

Has anyone used their Orion II with the KPA500 amplifier? If so, I'd be interested in any comments about how well it works, or whether there are any problems.

Thanks, Rick K0XB

7352. Mic for the Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-01 22:29:33 UTC
From: force2ak
Topic: 7352 Message: 7352

Hello, I purchased and older Orion 2004 model and I'm not sure what kind of mic to use it came with a Ten-Tec 705 Mic. One question I have does the 705 need the 9 volt battery in it to work with the Orion.

Also came someone reommend a newer style mic for the Orion.

Regards - Alan

7354. Re: [orion565] Mic for the Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-01 23:37:47 UTC
From: N9ETD@AOL.COM
Topic: 7352 Message: 7354

I've used the Heil HM 10 dual w/ the HC 5 element, and I'm now using the Heil Goldline Broadcast element. With the eq built in the radio you can make pretty mcuh anything sound good in my experience.

73, Craig N9ETD

[Non-text portions of this message have been removed]

7355. Re: Mic for the Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-02 16:09:08 UTC
From: pa1ap
Topic: 7352 Message: 7355

with regards to the need of 9V battery I get the impression from the connector diagram this is not needed;

http://tentecwiki.org/doku.php?id=705conn

I guess it is easy to test... Just connect the mic without having 9 V battery installed. If it move the pwr meter / ALC you should be fine ;-)

The orion does provide a mic voltage and it should be possible to modify the mic to source power from the mic connector if it doesn't work out of the box.

I am using the TT 708 mic which is a good microphone. But keep in mind that the 708 does not have the 13dB amplifier and as such you would need to raise the mic gain to compensate for this....

Starting release 2 (for 708 mic) the mic settings should be around;

1- mic gain at 50 (default)
2- mic potentiometer at default setting (dont need to change)
3- hw mic gain at 15 dB

That would make it on par with your existing microphone. With earlier versions you would need to put mic gain at 100 and turn up the potentiometer to maximum to get enough umpf in your audio.

hope this helps, Onno pa1ap

--- In orion565@yahoogroups.com, "force2ak" <force2ak@...> wrote:
>
> Hello, I purchased and older Orion 2004 model and I'm not sure
> what kind of mic to use it came with a Ten-Tec 705 Mic. One
> question I have does the 705 need the 9 volt battery in it to
> work with the Orion.
>
> Also came someone reommend a newer style mic for the Orion.
>
> Regards - Alan
>

7356. Re: Mic for the Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-03 09:33:23 UTC
From: Edward A. Feustel
Topic: 7352 Message: 7356

Alan,
I am assuming that you have the 565 instead of the 566. I have a 565 and use the 705 regularly. The transmitter or the speech processor will supply the necessary voltage without a battery. I also have a Ten Tec 709 desk mike but rarely use it any more. The stand tips over easily and it may damage your mike. If you use the 708 or 9, you may want to tailor your audio to reduce the bass.

Good luck,
73,
Ed, N5EI

7357. Re: Mic for the Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-04 13:29:47 UTC
From: force2ak
Topic: 7352 Message: 7357

Edward, Thanks for the information and also to the other members who gave me the advice on which mic's I could use on my 565 Orion. You have answered my question and I appreciate it.

Regards - Alan

--- In orion565@yahoogroups.com, "Edward A. Feustel" <efeustel@...> wrote:
>
> Alan,
> I am assuming that you have the 565 instead of the 566. I have a 565 and
> use the 705 regularly. The transmitter or the speech processor will
> supply the necessary voltage without a battery. I also have a Ten Tec
> 709 desk mike but rarely use it any more. The stand tips over easily
> and it may damage your mike. If you use the 708 or 9, you may want to
> tailor your audio to reduce the bass.
>
> Good luck,
> 73,
> Ed, N5EI
>

7358. orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 09:43:36 UTC
From: pa1ap
Topic: 7358 Message: 7358

Greetings,

I am writing orion back and restore program and looking for couple of operators who would like to test the program. At present it is windows based control and you can store multiple backups within the backup file.

Let me know if you are interested and on what windows version you will run the software. Second, please advice orion type 565 /566.

Regards, onno

7359. orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 09:44:06 UTC
From: pa1ap
Topic: 7358 Message: 7359

Greetings,

I am writing orion back and restore program and looking for couple of operators who would like to test the program. At present it is windows based control and you can store multiple backups within the backup file.

Let me know if you are interested and on what windows version you will run the software. Second, please advice orion type 565 /566.

Regards, onno

7360. Re: [orion565] orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 10:51:25 UTC
From: John Huffman
Topic: 7358 Message: 7360

Onno -

I'd be glad to help. I run Windows 7, 64-bit and have the 565.

73 de K1ESE
John

On 1/8/2012 4:44 AM, pa1ap wrote:
>
> Greetings,
>
> I am writing orion back and restore program and looking for couple of
> operators who would like to test the program. At present it is windows
> based control and you can store multiple backups within the backup file.
>
> Let me know if you are interested and on what windows version you will
> run the software. Second, please advice orion type 565 /566.
>
> Regards, onno
>
>

[Non-text portions of this message have been removed]

7361. RE: [orion565] orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 13:07:01 UTC
From: George
Topic: 7358 Message: 7361

I'll give it a try. I'm running an Orion2, W7 professional, 64 bit on an Intel Sandy Bridge 5, 3GB processor, and 6GB ram.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John Huffman
Sent: Sunday, January 08, 2012 5:51 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] orion back and restore function

Onno -

I'd be glad to help. I run Windows 7, 64-bit and have the 565.

73 de K1ESE
John

On 1/8/2012 4:44 AM, pa1ap wrote:
>
> Greetings,
>
> I am writing orion back and restore program and looking for couple of
> operators who would like to test the program. At present it is windows
> based control and you can store multiple backups within the backup file.
>
> Let me know if you are interested and on what windows version you will
> run the software. Second, please advice orion type 565 /566.
>
> Regards, onno
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7362. Re: [orion565] orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 17:25:06 UTC
From: Gary Strong
Topic: 7358 Message: 7362

On no,
I am very interested. I run 64bit Win7 and an Orion 566.

Gary KO0Q

On Jan 8, 2012, at 3:44 AM, "pa1ap" <pa1ap@...> wrote:

> Greetings,
>
> I am writing orion back and restore program and looking for couple of operators who would like to test the program. At present it is windows based control and you can store multiple backups within the backup file.
>
> Let me know if you are interested and on what windows version you will run the software. Second, please advice orion type 565 /566.
>
> Regards, onno
>
>

[Non-text portions of this message have been removed]

7363. Re: orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 18:05:55 UTC
From: Edward A. Feustel
Topic: 7358 Message: 7363

Onno,
I am interested.
I am running Windows 7 Professional (64 bit).
I use a 565.

Tnx!
ed, N5EI

7364. orion_agc_macro_2050.zip

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 18:56:59 UTC
From: gmathgen
Topic: 7364 Message: 7364

I have an Orion565 running on Windows7.
I have no success in installing the above mentioned program.
The installation procedure prduces the following error:
SystemInvalidOperationException.

Can anybody help?

7365. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 19:21:04 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 7365

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /setup.zip
Uploaded by : pa1ap <pa1ap@...>
Description : orion backup and restore 1006

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/setup.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

pa1ap <pa1ap@...>

7366. Re: orion_agc_macro_2050.zip

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 19:28:28 UTC
From: pa1ap
Topic: 7364 Message: 7366

Hello,

I might be able to help but need to know more background. Please send me an email with screenshots and or captures of the error messages. Also if the installation triggered a session towards microsoft to download microsoft modules. I know a few people using the program on windows 7 but their environment might be different. I can compile a new version with different settings but appreciate if we can figure out root cause.

Best regards, onno

--- In orion565@yahoogroups.com, "gmathgen" <gmathgen@...> wrote:
>
> I have an Orion565 running on Windows7.
> I have no success in installing the above mentioned program.
> The installation procedure prduces the following error:
> SystemInvalidOperationException.
>
> Can anybody help?
>

7367. Re: [orion565] New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 20:00:29 UTC
From: Per Bekker-Madsen
Topic: 222 Message: 7367

Hi Onno

Tnx for the programme, ran the install afterwords the programme. Everything
worked fine.
Took a backup of the 565 went fine.
Did a master reset of the radio, and made a restore (didnt delete memory
inf first attemt. The radio inediately went back to the settings I had
before the Master reset, so everything worked fine.
Just needed a "Finished Restore" you can continue message ;-)
The memmory back buttons are grayed ot, so cant perform a memory backup.

Kind regards

Per OZ1EQC

2012/1/8 <orion565@yahoogroups.com>

> **
>
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the orion565
> group.
>
> File : /setup.zip
> Uploaded by : pa1ap <pa1ap@...>
> Description : orion backup and restore 1006
>
> You can access this file at the URL:
> http://groups.yahoo.com/group/orion565/files/setup.zip
>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> Regards,
>
> pa1ap <pa1ap@...>
>
>
>
>

[Non-text portions of this message have been removed]

7368. Re: [orion565] New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 20:06:33 UTC
From: Per Bekker-Madsen
Topic: 222 Message: 7368

Hi Onno

A good advice is to ask all before they start, that they check Windows update and install all the updates available. Especially .Net and the Framework updates.

Knd rgds

Per OZ1EQC

2012/1/8 Per Bekker-Madsen <oz1eqc@...>

> Hi Onno
>
> Tnx for the programme, ran the install afterwords the programme.
> Everything worked fine.
> Took a backup of the 565 went fine.
> Did a master reset of the radio, and made a restore (didnt delete memory
> inf first attemt. The radio inediately went back to the settings I had
> before the Master reset, so everything worked fine.
> Just needed a "Finished Restore" you can continue message ;-)
> The memmory back buttons are grayed ot, so cant perform a memory backup.
>
> Kind regards
>
> Per OZ1EQC
>
>
> 2012/1/8 <orion565@yahoogroups.com>
>
> **
>>
>>
>>
>> Hello,
>>
>> This email message is a notification to let you know that
>> a file has been uploaded to the Files area of the orion565
>> group.
>>
>> File : /setup.zip
>> Uploaded by : pa1ap <pa1ap@...>
>> Description : orion backup and restore 1006
>>
>> You can access this file at the URL:
>> http://groups.yahoo.com/group/orion565/files/setup.zip

>>
>> To learn more about file sharing for your group, please visit:
>> http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
>> Regards,
>>
>> pa1ap <pa1ap@...>
>>
>>
>>
>>
>
>

[Non-text portions of this message have been removed]

7369. Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 20:18:19 UTC
From: pa1ap
Topic: 222 Message: 7369

hello Per,

Thanks for feedback. I will include the restore complete confirmation in next release. The memory backup requires a bit more thinking as there is no direct command for it. It is multi stage sequence and a bit complex to build.
In other words; work in progress and not enabled yet.

The main challenge with serial control is the asynchronous behavior and there is no relationship between request and response. this is fine when its a single handshake. It becomes intriguing when a handshake is out of sync or is part of a sequence...

Anyway, thats fun to work on. And I learn a lot from it ;-)

best regards, onno

--- In orion565@yahoogroups.com, Per Bekker-Madsen <oz1eqc@...> wrote:
>
> Hi Onno
>
> Tnx for the programme, ran the install afterwords the programme. Everything
> worked fine.
> Took a backup of the 565 went fine.
> Did a master reset of the radio, and made a restore (didnt delete memory
> inf first attemt. The radio inediately went back to the settings I had
> before the Master reset, so everything worked fine.
> Just needed a "Finished Restore" you can continue message ;-)
> The memmory back buttons are grayed ot, so cant perform a memory backup.
>
> Kind regards
>
> Per OZ1EQC
>
>
> 2012/1/8 <orion565@yahoogroups.com>
>
> > **
> > >
> > >
> > >
> > > Hello,
> > >
> > > This email message is a notification to let you know that
> > > a file has been uploaded to the Files area of the orion565
> > > group.
> > >
> > > File : /setup.zip

> > Uploaded by : pa1ap <pa1ap@...>
> > Description : orion backup and restore 1006
> >
> > You can access this file at the URL:
> > http://groups.yahoo.com/group/orion565/files/setup.zip
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> > To learn more about file sharing for your group, please visit:
> > http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> > Regards,
> >
> > pa1ap <pa1ap@...>
> >
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

7370. Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 20:21:51 UTC
From: pa1ap
Topic: 222 Message: 7370

Ok willb take that onboard too. In previous compiler this was an option enabled but I was forced to install a clean compiler and lost that setting. When clicking on the install.exe the installer did do a scan of the system for dependencies. I will investigate how I can enable that. Cheers onno
--- In orion565@yahoogroups.com, Per Bekker-Madsen <oz1eqc@...> wrote:
>
> Hi Onno
>
> A good advice is to ask all before they start, that they check Windows
> update and install all the updates available. Especially .Net and the
> Framework updates.
>
> Knd rgds
>
> Per OZ1EQC
>
> 2012/1/8 Per Bekker-Madsen <oz1eqc@...>
>
> > Hi Onno
> >
> > Tnx for the programme, ran the install afterwords the programme.
> > Everything worked fine.
> > Took a backup of the 565 went fine.
> > Did a master reset of the radio, and made a restore (didnt delete memory
> > inf first attemt. The radio inediately went back to the settings I had
> > before the Master reset, so everything worked fine.
> > Just needed a "Finished Restore" you can continue message ;-)
> > The memmory back buttons are grayed ot, so cant perform a memory backup.
> >
> > Kind regards
> >
> > Per OZ1EQC
> >
> >
> > 2012/1/8 <orion565@yahoogroups.com>
> >
> > **
> >>
> >>
> >>
> >> Hello,
> >>
> >> This email message is a notification to let you know that
> >> a file has been uploaded to the Files area of the orion565
> >> group.

> >>
> >> File : /setup.zip
> >> Uploaded by : pa1ap <pa1ap@...>
> >> Description : orion backup and restore 1006
> >>
> >> You can access this file at the URL:
> >> http://groups.yahoo.com/group/orion565/files/setup.zip
> >>
> >> To learn more about file sharing for your group, please visit:
> >> http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> >> Regards,
> >>
> >> pa1ap <pa1ap@...>
> >>
> >>
> >>
> >>
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> >
>
>
> [Non-text portions of this message have been removed]
>

7371. Re: [orion565] Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 20:31:16 UTC
From: Per Bekker-Madsen
Topic: 222 Message: 7371

:-) I know - the best way to learn is to mess something up, and figure out
how to get it to work again :-)
Anyway, The user interface of the program is very good, within a few
seconds, I knew and understood how to use it, actually the look of the
program was self explaining.
I like it, and I really look forward to get into the next step :-)

All the best

Per OZ1EQC

2012/1/8 pa1ap <pa1ap@...>

> **
>
>
> hello Per,
>
> Thanks for feedback. I will include the restore complete confirmation in
> next release. The memory backup requires a bit more thinking as there is no
> direct command for it. It is multi stage sequence and a bit complex to
> build.
> In other words; work in progress and not enabled yet.
>
> The main challenge with serial control is the asynchronous behavior and
> there is no relationship between request and response. this is fine when
> its a single handshake. It becomes intriguing when a handshake is out of
> sync or is part of a sequence...
>
> Anyway, thats fun to work on. And I learn a lot from it ;-)
>
> best regards, onno
>
>
> --- In orion565@yahoogroups.com, Per Bekker-Madsen <oz1eqc@...> wrote:
> >
> > Hi Onno
> >
> > Tnx for the programme, ran the install afterwords the programme.
> Everything
> > worked fine.
> > Took a backup of the 565 went fine.
> > Did a master reset of the radio, and made a restore (didnt delete memory
> > inf first attemt. The radio inediately went back to the settings I had
> > before the Master reset, so everything worked fine.
> > Just needed a "Finished Restore" you can continue message ;-)

> > The memmory back buttons are grayed ot, so cant perform a memory backup.
> >
> > Kind regards
> >
> > Per OZ1EQC
> >
> >
> > 2012/1/8 <orion565@yahoogroups.com>
> >
> > > **
>
> > >
> > >
> > >
> > > Hello,
> > >
> > > This email message is a notification to let you know that
> > > a file has been uploaded to the Files area of the orion565
> > > group.
> > >
> > > File : /setup.zip
> > > Uploaded by : pa1ap <pa1ap@...>
>
> > > Description : orion backup and restore 1006
> > >
> > > You can access this file at the URL:
> > > http://groups.yahoo.com/group/orion565/files/setup.zip
> > >
> > > To learn more about file sharing for your group, please visit:
> > >
> http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> > > Regards,
> > >
> > > pa1ap <pa1ap@...>
> > >
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> > [Non-text portions of this message have been removed]
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7372. RE: [orion565] Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 20:51:31 UTC
From: John T. Fleming
Topic: 222 Message: 7372

Onno,

I installed you program and would like the option of where I save the files. Did I miss something on the install? I keep all of my data files on my D drive and I have no idea where your program installed. I can only see as far as \Roaming\Micro on the properties screen. I see where the data is in my User etc. on my C drive. I have a 565 with the standard receiver. I am running Windows 7 32 bit.

Thanks for the routine.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Sunday, January 08, 2012 3:18 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: New file uploaded to orion565

hello Per,

Thanks for feedback. I will include the restore complete confirmation in next release. The memory backup requires a bit more thinking as there is no direct command for it. It is multi stage sequence and a bit complex to build.
In other words; work in progress and not enabled yet.

The main challenge with serial control is the asynchronous behavior and there is no relationship between request and response. this is fine when its a single handshake. It becomes intriguing when a handshake is out of sync or is part of a sequence...

Anyway, thats fun to work on. And I learn a lot from it ;-)

best regards, onno

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , Per Bekker-Madsen <oz1eqc@...> wrote:
>
> Hi Onno
>
> Tnx for the programme, ran the install afterwords the programme. Everything
> worked fine.
> Took a backup of the 565 went fine.
> Did a master reset of the radio, and made a restore (didnt delete memory

> inf first attemt. The radio inediately went back to the settings I had
> before the Master reset, so everything worked fine.
> Just needed a "Finished Restore" you can continue message ;-)
> The memmory back buttons are grayed ot, so cant perform a memory backup.
>
> Kind regards
>
> Per OZ1EQC
>
>
> 2012/1/8 <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> >
>
> > **
> >
> >
> >
> > Hello,
> >
> > This email message is a notification to let you know that
> > a file has been uploaded to the Files area of the orion565
> > group.
> >
> > File : /setup.zip
> > Uploaded by : pa1ap <pa1ap@...>
> > Description : orion backup and restore 1006
> >
> > You can access this file at the URL:
> > http://groups.yahoo.com/group/orion565/files/setup.zip
> >
> > To learn more about file sharing for your group, please visit:
> > http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> > Regards,
> >
> > pa1ap <pa1ap@...>
> >
> >
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> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

7373. Re: [orion565] Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 21:04:53 UTC
From: John Huffman
Topic: 222 Message: 7373

Onno -

Install went fine on the second try.

Backup and restore work fine.

Not sure what the "REF:" box at the top is.

When backup is finished the red text says back up "will be" written.
Should say "was" written. I had to check to see if it was created.

Great utility Onno! Thanks.

73 de K1ESE
Windows 7, 64-bit, 565

On 1/8/2012 3:51 PM, John T. Fleming wrote:
>
> Onno,
>
> I installed you program and would like the option of where I save the
> files.
> Did I miss something on the install? I keep all of my data files on my D
> drive and I have no idea where your program installed. I can only see
> as far
> as \Roaming\Micro on the properties screen. I see where the data is in my
> User etc. on my C drive. I have a 565 with the standard receiver. I am
> running Windows 7 32 bit.
>
> Thanks for the routine.
>
> 73,
>
> John
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>]
> On Behalf
> Of pa1ap
> Sent: Sunday, January 08, 2012 3:18 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] Re: New file uploaded to orion565
>
> hello Per,
>
> Thanks for feedback. I will include the restore complete confirmation in
> next release. The memory backup requires a bit more thinking as there

> is no
> direct command for it. It is multi stage sequence and a bit complex to
> build.
> In other words; work in progress and not enabled yet.
>
> The main challenge with serial control is the asynchronous behavior and
> there is no relationship between request and response. this is fine
> when its
> a single handshake. It becomes intriguing when a handshake is out of
> sync or
> is part of a sequence...
>
> Anyway, thats fun to work on. And I learn a lot from it ;-)
>
> best regards, onno
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com> , Per
> Bekker-Madsen <oz1eqc@...> wrote:
> >
> > Hi Onno
> >
> > Tnx for the programme, ran the install afterwords the programme.
> Everything
> > worked fine.
> > Took a backup of the 565 went fine.
> > Did a master reset of the radio, and made a restore (didnt delete memory
> > inf first attemt. The radio inediately went back to the settings I had
> > before the Master reset, so everything worked fine.
> > Just needed a "Finished Restore" you can continue message ;-)
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> >
> > Kind regards
> >
> > Per OZ1EQC
> >
> >
> > 2012/1/8 <orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com> >
> >
> > > **
> > >
> > >
> > >
> > > Hello,
> > >
> > > This email message is a notification to let you know that
> > > a file has been uploaded to the Files area of the orion565
> > > group.
> > >

> > > File : /setup.zip
> > > Uploaded by : pa1ap <pa1ap@...>
> > > Description : orion backup and restore 1006
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> > > You can access this file at the URL:
> > > http://groups.yahoo.com/group/orion565/files/setup.zip
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> > > To learn more about file sharing for your group, please visit:
> > >
> http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> > > Regards,
> > >
> > > pa1ap <pa1ap@...>
> > >
> > >
> > >
> > >
> >
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> > [Non-text portions of this message have been removed]
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>
> [Non-text portions of this message have been removed]
>
>

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7374. Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 21:14:45 UTC
From: pa1ap
Topic: 222 Message: 7374

To be honest I don't know where the config file is stored on your system ;-)

Within the windows development environment there is a variable which will create the automatic link to my documents. In your case this isn't there or does not match the condition.

Could you do a search for the following file name: Orion_backup.txt

It should be stored on your system...

Please let me know your findings and I am thinking how I can facilitate your request. Not to difficult to do but it just needs some planning.

Regards, Onno

--- In orion565@yahoogroups.com, "John T. Fleming" <john@...> wrote:
>
> Onno,
>
>
>
> I installed you program and would like the option of where I save the files.
> Did I miss something on the install? I keep all of my data files on my D
> drive and I have no idea where your program installed. I can only see as far
> as \Roaming\Micro on the properties screen. I see where the data is in my
> User etc. on my C drive. I have a 565 with the standard receiver. I am
> running Windows 7 32 bit.
>
>
>
> Thanks for the routine.
>
>
>
> 73,
>
> John
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of pa1ap
> Sent: Sunday, January 08, 2012 3:18 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: New file uploaded to orion565
>

>
>
>
>
> hello Per,
>
> Thanks for feedback. I will include the restore complete confirmation in
> next release. The memory backup requires a bit more thinking as there is no
> direct command for it. It is multi stage sequence and a bit complex to
> build.
> In other words; work in progress and not enabled yet.
>
> The main challenge with serial control is the asynchronous behavior and
> there is no relationship between request and response. this is fine when its
> a single handshake. It becomes intriguing when a handshake is out of sync or
> is part of a sequence...
>
> Anyway, thats fun to work on. And I learn a lot from it ;-)
>
> best regards, onno
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , Per
> Bekker-Madsen <oz1eqc@> wrote:
> >
> > Hi Onno
> >
> > Tnx for the programme, ran the install afterwords the programme.
> Everything
> > worked fine.
> > Took a backup of the 565 went fine.
> > Did a master reset of the radio, and made a restore (didnt delete memory
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> > before the Master reset, so everything worked fine.
> > Just needed a "Finished Restore" you can continue message ;-)
> > The memmory back buttons are grayed ot, so cant perform a memory backup.
> >
> > Kind regards
> >
> > Per OZ1EQC
> >
> >
> > 2012/1/8 <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> >
> >
> > > **
> > >
> > >
> > >
> > > Hello,
> > >
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> > > File : /setup.zip
> > > Uploaded by : pa1ap <pa1ap@>
> > > Description : orion backup and restore 1006
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> > > You can access this file at the URL:
> > > http://groups.yahoo.com/group/orion565/files/setup.zip
> > >
> > > To learn more about file sharing for your group, please visit:
> > > http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> > > Regards,
> > >
> > > pa1ap <pa1ap@>
> > >
> > >
> > >
> > >
> >
> > [Non-text portions of this message have been removed]
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>
>
> [Non-text portions of this message have been removed]
>

7375. Re: [orion565] Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 21:17:30 UTC
From: Per Bekker-Madsen
Topic: 222 Message: 7375

Its in Documents

On 08/01/2012 22.15, "pa1ap" <pa1ap@...> wrote:

> **
>
>
> To be honest I don't know where the config file is stored on your system
> ;-)
>
> Within the windows development environment there is a variable which will
> create the automatic link to my documents. In your case this isn't there or
> does not match the condition.
>
> Could you do a search for the following file name: Orion_backup.txt
>
> It should be stored on your system...
>
> Please let me know your findings and I am thinking how I can facilitate
> your request. Not to difficult to do but it just needs some planning.
>
> Regards, Onno
>
> --- In orion565@yahoogroups.com, "John T. Fleming" <john@...> wrote:
> >
> > Onno,
> >
> >
> >
> > I installed you program and would like the option of where I save the
> files.
> > Did I miss something on the install? I keep all of my data files on my D
> > drive and I have no idea where your program installed. I can only see as
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> > as \Roaming\Micro on the properties screen. I see where the data is in my
> > User etc. on my C drive. I have a 565 with the standard receiver. I am
> > running Windows 7 32 bit.
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> >
> >
> > Thanks for the routine.
> >
> >
> >
> > 73,

> >
> > John
> >
> >
> >
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf
> > Of pa1ap
> > Sent: Sunday, January 08, 2012 3:18 PM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] Re: New file uploaded to orion565
> >
> >
> >
> >
> >
> > hello Per,
> >
> > Thanks for feedback. I will include the restore complete confirmation in
> > next release. The memory backup requires a bit more thinking as there is
> no
> > direct command for it. It is multi stage sequence and a bit complex to
> > build.
> > In other words; work in progress and not enabled yet.
> >
> > The main challenge with serial control is the asynchronous behavior and
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> > a single handshake. It becomes intriguing when a handshake is out of
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> > is part of a sequence...
> >
> > Anyway, thats fun to work on. And I learn a lot from it ;-)
> >
> > best regards, onno
> >
> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
> Per
> > Bekker-Madsen <oz1eqc@> wrote:
> > >
> > > Hi Onno
> > >
> > > Tnx for the programme, ran the install afterwords the programme.
> > Everything
> > > worked fine.
> > > Took a backup of the 565 went fine.
> > > Did a master reset of the radio, and made a restore (didnt delete
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> > > inf first attemt. The radio inediately went back to the settings I had
> > > before the Master reset, so everything worked fine.

> > > Just needed a "Finished Restore" you can continue message ;-)
> > > The memmory back buttons are grayed ot, so cant perform a memory
> backup.
> > >
> > > Kind regards
> > >
> > > Per OZ1EQC
> > >
> > >
> > > 2012/1/8 <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> >
> > >
> > > > **
> > > >
> > > >
> > > >
> > > > Hello,
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> > > > This email message is a notification to let you know that
> > > > a file has been uploaded to the Files area of the orion565
> > > > group.
> > > >
> > > > File : /setup.zip
> > > > Uploaded by : pa1ap <pa1ap@>
> > > > Description : orion backup and restore 1006
> > > >
> > > > You can access this file at the URL:
> > > > http://groups.yahoo.com/group/orion565/files/setup.zip
> > > >
> > > > To learn more about file sharing for your group, please visit:
> > > >
> http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> > > > Regards,
> > > >
> > > > pa1ap <pa1ap@>
> > > >
> > > >
> > > >
> > > >
> > > >
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7376. Re: Backup and restore explained

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 21:33:14 UTC
From: pa1ap
Topic: 222 Message: 7376

Hello John,

Hope you don't mind but I changed the subject to make it easier for other to pick up.

Aha... yes there is no manual nor instructions provided. Wanted to wait until the software was getting a bit more stable and complete ;-)

below the motivation;

1) when you create a backup the program will check if the "Orion_backup.txt" file exists... if not it will create one... if it exists it will append a new record* into the "Orion_backup.txt" file... Normally the file will be stored within my documents.

2) a new record is a single line within the "Orion_backup.txt" and represent all objects as captured during a backup sequence. PLUS three special objects at the start of the line.

3) the special objects are: time stamp, Backup ref:, orion fw version. Those objects are included to make it easy to select the backup record you want to restore and the "backup ref:" is just a field you can use to make a mental note... something like; contest 80m band.... you can also ignore it and it will be empty..

Try it -> before hitting Backup Orion, just provide a short note into that " backuo ref:" field... Then hit Backup... when its completed you will find the latest record to reflect your note...

4) The backup objects window includes a translation of the values learned. @KVABA Main RX: VFO A Sub RX: VFO B TX: VFO A

This is work in progress where I am working on a compare function between different backup records. Why? well first of all because its fun but more important because it allows easier troubleshooting when one operator finds an issue (called a bug) and nobody can replicate the issue.... Taking the troubled config and compare it with another config will give a quick hint towards differences. And since I was typing those silly commands into the program I figured including human language was going to make it easier.

And now on the red messages; yes fully agree I need to become more accurate on the wording. Will pick it up in the next release. For now just assume when the buttons become selectable again either backup or restore is completed.

Hope this helps, Onno

--- In orion565@yahoogroups.com, John Huffman <hjohnc@...> wrote:
>
> Onno -
>
> Install went fine on the second try.
>
> Backup and restore work fine.

>
> Not sure what the "REF:" box at the top is.
>
> When backup is finished the red text says back up "will be" written.
> Should say "was" written. I had to check to see if it was created.
>
> Great utility Onno! Thanks.
>
> 73 de K1ESE
> Windows 7, 64-bit, 565
>
>
> On 1/8/2012 3:51 PM, John T. Fleming wrote:
> >
> > Onno,
> >
> > I installed you program and would like the option of where I save the
> > files.
> > Did I miss something on the install? I keep all of my data files on my D
> > drive and I have no idea where your program installed. I can only see
> > as far
> > as \Roaming\Micro on the properties screen. I see where the data is in my
> > User etc. on my C drive. I have a 565 with the standard receiver. I am
> > running Windows 7 32 bit.
> >
> > Thanks for the routine.
> >
> > 73,
> >
> > John
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>]
> > On Behalf
> > Of pa1ap
> > Sent: Sunday, January 08, 2012 3:18 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > Subject: [orion565] Re: New file uploaded to orion565
> >
> > hello Per,
> >
> > Thanks for feedback. I will include the restore complete confirmation in
> > next release. The memory backup requires a bit more thinking as there
> > is no
> > direct command for it. It is multi stage sequence and a bit complex to
> > build.
> > In other words; work in progress and not enabled yet.
> >
> > The main challenge with serial control is the asynchronous behavior and
> > there is no relationship between request and response. this is fine

> > when its
> > a single handshake. It becomes intriguing when a handshake is out of
> > sync or
> > is part of a sequence...
> >
> > Anyway, thats fun to work on. And I learn a lot from it ;-)
> >
> > best regards, onno
> >
> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com> , Per
> > Bekker-Madsen <oz1eqc@> wrote:
> > >
> > > Hi Onno
> > >
> > > Tnx for the programme, ran the install afterwords the programme.
> > Everything
> > > worked fine.
> > > Took a backup of the 565 went fine.
> > > Did a master reset of the radio, and made a restore (didnt delete memory
> > > inf first attemt. The radio inediately went back to the settings I had
> > > before the Master reset, so everything worked fine.
> > > Just needed a "Finished Restore" you can continue message ;-)
> > > The memmory back buttons are grayed ot, so cant perform a memory backup.
> > >
> > > Kind regards
> > >
> > > Per OZ1EQC
> > >
> > >
> > > 2012/1/8 <orion565@yahoogroups.com
> > <mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com> >
> > >
> > > > **
> > > >
> > > >
> > > >
> > > > Hello,
> > > >
> > > > This email message is a notification to let you know that
> > > > a file has been uploaded to the Files area of the orion565
> > > > group.
> > > >
> > > > File : /setup.zip
> > > > Uploaded by : pa1ap <pa1ap@>
> > > > Description : orion backup and restore 1006
> > > >
> > > > You can access this file at the URL:
> > > > http://groups.yahoo.com/group/orion565/files/setup.zip
> > > >

> > > > To learn more about file sharing for your group, please visit:
> > > >
> > http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> > > > Regards,
> > > >
> > > > pa1ap <pa1ap@>
> > > >
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7377. Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 21:37:31 UTC
From: pa1ap
Topic: 222 Message: 7377

And you would like to be able to select any directory on your system instead?

here is the challenge; when installing the software it will go into some directory. I can include a local config file into the installation directory. It will include the default directory reference. Would it be alright if you manually edit this config file to match your desired directory? This way I don't have to make the program more complex with config buttons etc.

regards, Onno

--- In orion565@yahoogroups.com, Per Bekker-Madsen <oz1eqc@...> wrote:
>
> Its in Documents
>
> On 08/01/2012 22.15, "pa1ap" <pa1ap@...> wrote:
>
> > **
> >
> >
> > To be honest I don't know where the config file is stored on your system
> > ;-)
> >
> > Within the windows development environment there is a variable which will
> > create the automatic link to my documents. In your case this isn't there or
> > does not match the condition.
> >
> > Could you do a search for the following file name: Orion_backup.txt
> >
> > It should be stored on your system...
> >
> > Please let me know your findings and I am thinking how I can facilitate
> > your request. Not to difficult to do but it just needs some planning.
> >
> > Regards, Onno
> >
> > --- In orion565@yahoogroups.com, "John T. Fleming" <john@> wrote:
> > >
> > > Onno,
> > >
> > >
> > >
> > > I installed you program and would like the option of where I save the
> > files.
> > > Did I miss something on the install? I keep all of my data files on my D
> > > drive and I have no idea where your program installed. I can only see as
> > far

> > > as \Roaming\Micro on the properties screen. I see where the data is in my
> > > User etc. on my C drive. I have a 565 with the standard receiver. I am
> > > running Windows 7 32 bit.
> > >
> > >
> > >
> > > Thanks for the routine.
> > >
> > >
> > >
> > > 73,
> > >
> > > John
> > >
> > >
> > >
> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> > Behalf
> > > Of pa1ap
> > > Sent: Sunday, January 08, 2012 3:18 PM
> > > To: orion565@yahoogroups.com
> > > Subject: [orion565] Re: New file uploaded to orion565
> > >
> > >
> > >
> > >
> > >
> > > hello Per,
> > >
> > > Thanks for feedback. I will include the restore complete confirmation in
> > > next release. The memory backup requires a bit more thinking as there is
> > no
> > > direct command for it. It is multi stage sequence and a bit complex to
> > > build.
> > > In other words; work in progress and not enabled yet.
> > >
> > > The main challenge with serial control is the asynchronous behavior and
> > > there is no relationship between request and response. this is fine when
> > its
> > > a single handshake. It becomes intriguing when a handshake is out of
> > sync or
> > > is part of a sequence...
> > >
> > > Anyway, thats fun to work on. And I learn a lot from it ;-)
> > >
> > > best regards, onno
> > >
> > > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
> > Per
> > > Bekker-Madsen <oz1eqc@> wrote:

> > > >
> > > > Hi Onno
> > > >
> > > > Tnx for the programme, ran the install afterwords the programme.
> > > Everything
> > > > worked fine.
> > > > Took a backup of the 565 went fine.
> > > > Did a master reset of the radio, and made a restore (didnt delete
> > memory
> > > > inf first attemt. The radio inediately went back to the settings I had
> > > > before the Master reset, so everything worked fine.
> > > > Just needed a "Finished Restore" you can continue message ;-)
> > > > The memmory back buttons are grayed ot, so cant perform a memory
> > backup.
> > > > >
> > > > Kind regards
> > > > >
> > > > Per OZ1EQC
> > > > >
> > > > >
> > > > 2012/1/8 <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > > >
> > > > >
> > > > > **
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> > > > > > >
> > > > > > >
> > > > > > Hello,
> > > > > >
> > > > > > This email message is a notification to let you know that
> > > > > > a file has been uploaded to the Files area of the orion565
> > > > > > group.
> > > > > > >
> > > > > > File : /setup.zip
> > > > > > Uploaded by : pa1ap <pa1ap@>
> > > > > > Description : orion backup and restore 1006
> > > > > > >
> > > > > > You can access this file at the URL:
> > > > > > http://groups.yahoo.com/group/orion565/files/setup.zip
> > > > > > >
> > > > > > To learn more about file sharing for your group, please visit:
> > > > > > >
> > http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> > > > > > Regards,
> > > > > > >
> > > > > > pa1ap <pa1ap@>
> > > > > > >
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7378. RE: [orion565] Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 21:51:37 UTC
From: John T. Fleming
Topic: 222 Message: 7378

Onno,

I had no trouble finding the Orion_backup.txt file. But it is not where I would like to put it. It is on the C drive. I would rather have it on the D drive in my setup. I would also like to have it in a folder like My Documents\pa1ap and have the date time or some name of significance for clarity on doing restores. In the meantime, I can move the file and rename it after moved.

Thanks for the work.
73,
John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Sunday, January 08, 2012 4:15 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: New file uploaded to orion565

To be honest I don't know where the config file is stored on your system ;-)

Within the windows development environment there is a variable which will create the automatic link to my documents. In your case this isn't there or does not match the condition.

Could you do a search for the following file name: Orion_backup.txt

It should be stored on your system...

Please let me know your findings and I am thinking how I can facilitate your request. Not to difficult to do but it just needs some planning.

Regards, Onno

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "John T. Fleming" <john@...> wrote:
>
> Onno,
>
>
>
> I installed you program and would like the option of where I save the files.
> Did I miss something on the install? I keep all of my data files on my D
> drive and I have no idea where your program installed. I can only see as far
> as \Roaming\Micro on the properties screen. I see where the data is in my

> User etc. on my C drive. I have a 565 with the standard receiver. I am
> running Windows 7 32 bit.
>
>
>
> Thanks for the routine.
>
>
>
> 73,
>
> John
>
>
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
Behalf
> Of pa1ap
> Sent: Sunday, January 08, 2012 3:18 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] Re: New file uploaded to orion565
>
>
>
>
>
>
> hello Per,
>
> Thanks for feedback. I will include the restore complete confirmation in
> next release. The memory backup requires a bit more thinking as there is
no
> direct command for it. It is multi stage sequence and a bit complex to
> build.
> In other words; work in progress and not enabled yet.
>
> The main challenge with serial control is the asynchronous behavior and
> there is no relationship between request and response. this is fine when
its
> a single handshake. It becomes intriguing when a handshake is out of sync
or
> is part of a sequence...
>
> Anyway, thats fun to work on. And I learn a lot from it ;-)
>
> best regards, onno
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com> , Per
> Bekker-Madsen <oz1eqc@> wrote:

> >
> > Hi Onno
> >
> > Tnx for the programme, ran the install afterwords the programme.
> Everything
> > worked fine.
> > Took a backup of the 565 went fine.
> > Did a master reset of the radio, and made a restore (didnt delete memory
> > inf first attemt. The radio inediately went back to the settings I had
> > before the Master reset, so everything worked fine.
> > Just needed a "Finished Restore" you can continue message ;-)
> > The memmory back buttons are grayed ot, so cant perform a memory backup.
> >
> > Kind regards
> >
> > Per OZ1EQC
> >
> >
> > 2012/1/8 <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com> >
> >
> > > **
> > >
> > >
> > >
> > > Hello,
> > >
> > > This email message is a notification to let you know that
> > > a file has been uploaded to the Files area of the orion565
> > > group.
> > >
> > > File : /setup.zip
> > > Uploaded by : pa1ap <pa1ap@>
> > > Description : orion backup and restore 1006
> > >
> > > You can access this file at the URL:
> > > http://groups.yahoo.com/group/orion565/files/setup.zip
> > >
> > > To learn more about file sharing for your group, please visit:
> > >
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> > > Regards,
> > >
> > > pa1ap <pa1ap@>
> > >
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7379. Re: New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 22:43:20 UTC
From: pa1ap
Topic: 222 Message: 7379

Next release i will have the config file included. I just made the other changes as requested. Its now at release 1008.

Please keep in mind the program does not know you moved it. if you move it you will loose the incremental backup /restore record selection. This because the program is stuburn and will create a new backup / restore file.

Never gave it much thoughts on nice directories and such like but will do now.

regards, Onno

--- In orion565@yahoogroups.com, "John T. Fleming" <john@...> wrote:
>
> Onno,
>
> I had no trouble finding the Orion_backup.txt file. But it is not where I
> would like to put it. It is on the C drive. I would rather have it on the D
> drive in my setup. I would also like to have it in a folder like My
> Documents\pa1ap and have the date time or some name of significance for
> clarity on doing restores. In the meantime, I can move the file and rename
> it after moved.
>
> Thanks for the work.
> 73,
> John
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of pa1ap
> Sent: Sunday, January 08, 2012 4:15 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: New file uploaded to orion565
>
>
>
>
>
>
>
> To be honest I don't know where the config file is stored on your system ;-)
>
> Within the windows development environment there is a variable which will
> create the automatic link to my documents. In your case this isn't there or
> does not match the condition.
>
> Could you do a search for the following file name: Orion_backup.txt
>

> It should be stored on your system...
>
> Please let me know your findings and I am thinking how I can facilitate your
> request. Not to difficult to do but it just needs some planning.
>
> Regards, Onno
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "John
> T. Fleming" <john@> wrote:
> >
> > Onno,
> >
> >
> >
> > I installed you program and would like the option of where I save the
> files.
> > Did I miss something on the install? I keep all of my data files on my D
> > drive and I have no idea where your program installed. I can only see as
> far
> > as \Roaming\Micro on the properties screen. I see where the data is in my
> > User etc. on my C drive. I have a 565 with the standard receiver. I am
> > running Windows 7 32 bit.
> >
> >
> >
> > Thanks for the routine.
> >
> >
> >
> > 73,
> >
> > John
> >
> >
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> Behalf
> > Of pa1ap
> > Sent: Sunday, January 08, 2012 3:18 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > Subject: [orion565] Re: New file uploaded to orion565
> >
> >
> >
> >
> >
> >
> > hello Per,
> >
> > Thanks for feedback. I will include the restore complete confirmation in

> > next release. The memory backup requires a bit more thinking as there is
> no
> > direct command for it. It is multi stage sequence and a bit complex to
> > build.
> > In other words; work in progress and not enabled yet.
> >
> > The main challenge with serial control is the asynchronous behavior and
> > there is no relationship between request and response. this is fine when
> its
> > a single handshake. It becomes intriguing when a handshake is out of sync
> or
> > is part of a sequence...
> >
> > Anyway, thats fun to work on. And I learn a lot from it ;-)
> >
> > best regards, onno
> >
> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com> , Per
> > Bekker-Madsen <oz1eqc@> wrote:
> > >
> > > Hi Onno
> > >
> > > Tnx for the programme, ran the install afterwords the programme.
> > Everything
> > > worked fine.
> > > Took a backup of the 565 went fine.
> > > Did a master reset of the radio, and made a restore (didnt delete memory
> > > inf first attemt. The radio inediately went back to the settings I had
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> > > The memmory back buttons are grayed ot, so cant perform a memory backup.
> > >
> > > Kind regards
> > >
> > > Per OZ1EQC
> > >
> > >
> > > 2012/1/8 <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com> >
> > >
> > > > **
> > > >
> > > >
> > > >
> > > > Hello,
> > > >
> > > > This email message is a notification to let you know that
> > > > a file has been uploaded to the Files area of the orion565
> > > > group.

> > > >
> > > > File : /setup.zip
> > > > Uploaded by : pa1ap <pa1ap@>
> > > > Description : orion backup and restore 1006
> > > >
> > > > You can access this file at the URL:
> > > > http://groups.yahoo.com/group/orion565/files/setup.zip
> > > >
> > > > To learn more about file sharing for your group, please visit:
> > > >
> http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> > > > Regards,
> > > >
> > > > pa1ap <pa1ap@>
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> > > [Non-text portions of this message have been removed]
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7380. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 22:44:36 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 7380

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /BR setup 1008.zip
Uploaded by : pa1ap <pa1ap@...>
Description : Backup and restore version 1008

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/BR%20setup%201008.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

pa1ap <pa1ap@...>

7381. Backup and restore v1008

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-08 22:48:36 UTC
From: pa1ap
Topic: 222 Message: 7381

Included confirmation backup and restore completed. Improved the restore record area to only allow restore when a record is selected (record changes blue). Fixed a minor timing challenge.

Pending;

1) local customization file with directories and prefered com port
2) memory bank backup
3) backup compare mode

Best regards, Onno

--- In orion565@yahoogroups.com, orion565@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the orion565
> group.
>
> File : /BR setup 1008.zip
> Uploaded by : pa1ap <pa1ap@...>
> Description : Backup and restore version 1008
>
> You can access this file at the URL:
> http://groups.yahoo.com/group/orion565/files/BR%20setup%201008.zip
>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> Regards,
>
> pa1ap <pa1ap@...>
>

7382. Re: [orion565] Re: orion_agc_macro_2050.zip

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-09 00:21:26 UTC
From: Georges Mathgen
Topic: 7364 Message: 7382

Hi Onno,
Thanks for your prompt reply. By trying to install the program, I got a single message which I add to this mail. the only error message in the list is
the SystemIvalidOperationException.

Above is the only message I got when I tried to install the program. All items in the message were Ok except the indicated ones.
So far I had no problems with Windows7 on the Orion. I'm running Version 2.064X11and also use a Signalink USB Sound card
interface with MixW3 and HRD.
Thanks in advance for your help.

73s, George, LX1BB

On Jan 8, 2012, at 8:28 PM, pa1ap wrote:

> Hello,
>
> I might be able to help but need to know more background. Please send me an email with screenshots and or captures of the error messages. Also if the installation triggered a session towards microsoft to download microsoft modules. I know a few people using the program on windows 7 but their environment might be different. I can compile a new version with different settings but appreciate if we can figure out root cause.
>
> Best regards, onno
>
> --- In orion565@yahoogroups.com, "gmathgen" <gmathgen@...> wrote:
> >
> > I have an Orion565 running on Windows7.
> > I have no success in installing the above mentioned program.
> > The installation procedure prduces the following error:
> > SystemInvalidOperationException.
> >
> > Can anybody help?
> >
>
>

[Non-text portions of this message have been removed]

7383. Re: [orion565] Backup and restore v1008

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-09 16:26:14 UTC
From: Per Bekker-Madsen
Topic: 222 Message: 7383

Downloaded V1008 08.01.2012 23:38
Installed perfect.
Backed up perfected writing where it has stored the txt file.
Made a master reset.
Restored the backed up file
It finalized with prompting Restore ended :-)
Everything went 100%

Tnx Onno

Per OZ1EQC

Installed and ran it on a Laptop with Win 7 Pro 64Bit

Same result

2012/1/8 pa1ap <pa1ap@...>

> **
>
>
> Included confirmation backup and restore completed. Improved the restore
> record area to only allow restore when a record is selected (record changes
> blue). Fixed a minor timing challenge.
>
> Pending;
>
> 1) local customization file with directories and prefered com port
> 2) memory bank backup
> 3) backup compare mode
>
> Best regards, Onno
>
>

[Non-text portions of this message have been removed]

7384. Re: Backup and restore v1008

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-10 23:35:45 UTC
From: pa1ap
Topic: 222 Message: 7384

good news Per! Happy that it works and thanks very much for testing and providing feedback.

Working on the next release and including more objects (right now at 62 objects) as well to create a reliable memory backup sequence. Right now the latter will first of all mute the receiver, copy mem#1 to VFOA, perform backup VFOA and create the association within the backup index. Next mem#2 etc...

Right now each step is scheduled at 150mS and this translates into 450mS per memory location backup. 200 x 450mS = 90000 mS for VFOA...I am not sure if thats to long or not... can push the scheduler to go faster but not sure how orion will appreciate that.

Restore of memory pretty much same sequence. Push mem #1 frequency to VFOA, push command to copy VFOA to mem#1. than repeat 199 x.

Is anyone using memory bank at all? Is it worthwhile to do and is it acceptable to wait for 180 seconds to perform backup VFOA & VFOB?

p.s. I need to check if its 200 memory positions for VFO A and 200 memory positions for VFO B... or if it is shared 200 memory positions. Will find out soon.

--- In orion565@yahoogroups.com, Per Bekker-Madsen <oz1eqc@...> wrote:
>
> Downloaded V1008 08.01.2012 23:38
> Installed perfect.
> Backed up perfected writing where it has stored the txt file.
> Made a master reset.
> Restored the backed up file
> It finalized with prompting Restore ended :-)
> Everything went 100%
>
> Tnx Onno
>
> Per OZ1EQC
>
> Installed and ran it on a Laptop with Win 7 Pro 64Bit
>
> Same result
>
>
>
> 2012/1/8 pa1ap <pa1ap@...>
>
> > **
> >
> >
> > Included confirmation backup and restore completed. Improved the restore

> > record area to only allow restore when a record is selected (record changes
> > blue). Fixed a minor timing challenge.
> >
> > Pending;
> >
> > 1) local customization file with directories and prefered com port
> > 2) memory bank backup
> > 3) backup compare mode
> >
> > Best regards, Onno
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

7385. Re: orion_agc_macro_2050.zip

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-10 23:36:55 UTC
From: pa1ap
Topic: 7364 Message: 7385

I am investigating but not being able to reproduce yet. Could you install the backup / restore tool and check if that results in the same error? Thanks and regards, Onno

--- In orion565@yahoogroups.com, Georges Mathgen <gmathgen@...> wrote:
>
> Hi Onno,
> Thanks for your prompt reply. By trying to install the program, I got a single message which I add to this mail. the only error message in the list is
> the SystemIvalidOperationException.
>
>
>
>
> Above is the only message I got when I tried to install the program. All items in the message were Ok except the indicated ones.
> So far I had no problems with Windows7 on the Orion. I'm running Version 2.064X11and also use a Signalink USB Sound card
> interface with MixW3 and HRD.
> Thanks in advance for your help.
>
> 73s, George, LX1BB
>
>
>
>
> On Jan 8, 2012, at 8:28 PM, pa1ap wrote:
>
> > Hello,
> >
> > I might be able to help but need to know more background. Please send me an email with screenshots and or captures of the error messages. Also if the installation triggered a session towards microsoft to download microsoft modules. I know a few people using the program on windows 7 but their environment might be different. I can compile a new version with different settings but appreciate if we can figure out root cause.
> >
> > Best regards, onno
> >
> > --- In orion565@yahoogroups.com, "gmathgen" <gmathgen@> wrote:
> > >
> > > I have an Orion565 running on Windows7.
> > > I have no success in installing the above mentioned program.
> > > The installation procedure prduces the following error:
> > > SystemInvalidOperationException.
> > >
> > > Can anybody help?

> > >
> >
> >
>
>
>
> [Non-text portions of this message have been removed]
>

7386. Re: [orion565] orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-11 06:46:41 UTC
From: icom7800
Topic: 7358 Message: 7386

Hi Onno,

I would be glad to help and have two Orion IIs (566AT)and run Windows 7 professional w/ i7 processors (64 Bit) and one windows 7 home premium netbook (32 bit). I have been a member of both TTBUG beta groups(original and V3).

Please let me know if I can be of use to you.

Thanks again for the GREAT PROGRAM!!
Kirby, K7EC

Greetings,

I am writing orion back and restore program and looking for couple of operators who would like to test the program. At present it is windows based control and you can store multiple backups within the backup file.

Let me know if you are interested and on what windows version you will run the software. Second, please advice orion type 565 /566.

Regards, onno

[Non-text portions of this message have been removed]

7387. Re: [orion565] Re: orion_agc_macro_2050.zip

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-11 23:38:35 UTC
From: Georges Mathgen
Topic: 7364 Message: 7387

Hi Onno,

Wich backup / restore tool? Not the windows one I suppose.

George, LX1BB

On Jan 11, 2012, at 12:36 AM, pa1ap wrote:

> I am investigating but not being able to reproduce yet. Could you install the backup / restore tool and check if that results in the same error? Thanks and regards, Onno
>
> --- In orion565@yahoogroups.com, Georges Mathgen <gmathgen@...> wrote:
> >
>

[Non-text portions of this message have been removed]

7388. Re: orion_agc_macro_2050.zip

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-12 07:11:30 UTC
From: pa1ap
Topic: 7364 Message: 7388

If you could try and install the backup and restore below that would help. I appologize for slow response on my side, its a normal working week at the moment.

http://groups.yahoo.com/group/orion565/files/BR%20setup%201008.zip

--- In orion565@yahoogroups.com, Georges Mathgen <gmathgen@...> wrote:
>
> Hi Onno,
>
> Wich backup / restore tool? Not the windows one I suppose.
>
> George, LX1BB
>
>
> On Jan 11, 2012, at 12:36 AM, pa1ap wrote:
>
> > I am investigating but not being able to reproduce yet. Could you install the backup / restore tool and check if that results in the same error? Thanks and regards, Onno
> >
> > --- In orion565@yahoogroups.com, Georges Mathgen <gmathgen@> wrote:
> > >
> > >
> >
> >
> >
> > [Non-text portions of this message have been removed]
>

7389. Re: [orion565] Re: orion_agc_macro_2050.zip

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-12 10:14:58 UTC
From: Georges Mathgen
Topic: 7364 Message: 7389

Hi Onno,

I installed and run the BR program (both Backup and Restore), but the
error remained the same.
I add the screeshot as attachment.

George

On 12/01/2012 07:11, pa1ap wrote:
>
>
> If you could try and install the backup and restore below that would
> help. I appologize for slow response on my side, its a normal working
> week at the moment.
>
> http://groups.yahoo.com/group/orion565/files/BR%20setup%201008.zip
>

[Non-text portions of this message have been removed]

7390. Re: Backup and restore v1008

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-12 16:23:46 UTC
From: storygene
Topic: 222 Message: 7390

I just installed B & R v1008 on iMac>Parallels>XP Pro w/Svc Pk 3. The install including Visual Basic and XP restart went smoothly and program worked first time.

Simple and intuitive to use. I installed and ran it while in the middle of a CW QSO.

VERY nice Onno!!!!

Gene / K7TXO

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Included confirmation backup and restore completed. Improved the restore record area to only allow restore when a record is selected (record changes blue). Fixed a minor timing challenge.
>
> Pending;
>
> 1) local customization file with directories and prefered com port
> 2) memory bank backup
> 3) backup compare mode
>
> Best regards, Onno
>
> --- In orion565@yahoogroups.com, orion565@yahoogroups.com wrote:
> >
> >
> > Hello,
> >
> > This email message is a notification to let you know that
> > a file has been uploaded to the Files area of the orion565
> > group.
> >
> > File : /BR setup 1008.zip
> > Uploaded by : pa1ap <pa1ap@>
> > Description : Backup and restore version 1008
> >
> > You can access this file at the URL:
> > http://groups.yahoo.com/group/orion565/files/BR%20setup%201008.zip
> >
> > To learn more about file sharing for your group, please visit:
> > http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> > Regards,
> >
> > pa1ap <pa1ap@>
> >
>

7391. Orion power connector needed

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-14 11:56:31 UTC
From: Barry N1EU
Topic: 7391 Message: 7391

Does anyone have a spare power connector that will mate with the
socket on the Orion, or know its commercial part number?

Thanks & 73,
Barry N1EU

7392. Orion LCD backlight adjustment?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-14 13:53:11 UTC
From: Barry N1EU
Topic: 7392 Message: 7392

Does anyone know if there's an internal adjustment for the LCD backlight?

Thanks & 73,
Barry N1EU

7393. RE: [orion565] Orion LCD backlight adjustment?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-14 14:44:36 UTC
From: John T. Fleming
Topic: 7392 Message: 7393

Berry,

You have to remove the bottom panel. The pot is facing down and located below the Main AF knob, back about an half inch from the front panel edge. It uses a Phillips screw driver. I drilled a small hole something like the hole for the mike gain pot. I may adjust it once a year or so. It is usually related to a software change. I make sure the menu setting is at 50 percent first.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Saturday, January 14, 2012 8:53 AM
To: Discussion of Ten-Tec Equipment; Orion565
Subject: [orion565] Orion LCD backlight adjustment?

Does anyone know if there's an internal adjustment for the LCD backlight?

Thanks & 73,
Barry N1EU

[Non-text portions of this message have been removed]

7394. Re: Orion power connector needed

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-14 14:48:50 UTC
From: force2ak
Topic: 7391 Message: 7394

Barry, The complete power cord is sold on ebay for $10.00 with
free shipping.
Just search under TenTec.

Regards - Alan AK8S

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Does anyone have a spare power connector that will mate with the
> socket on the Orion, or know its commercial part number?
>
> Thanks & 73,
> Barry N1EU
>

7395. Re: [orion565] Orion LCD backlight adjustment?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-14 15:03:11 UTC
From: Barry N1EU
Topic: 7392 Message: 7395

Thanks John! And that adjusts the backlight (which is what I need), rather
than the contrast?

73, Barry N1EU

On Sat, Jan 14, 2012 at 2:44 PM, John T. Fleming <john@...> wrote:

> **
>
>
> Berry,
>
> You have to remove the bottom panel. The pot is facing down and located
> below the Main AF knob, back about an half inch from the front panel edge.
> It uses a Phillips screw driver. I drilled a small hole something like the
> hole for the mike gain pot. I may adjust it once a year or so. It is
> usually related to a software change. I make sure the menu setting is at 50
> percent first.
>
> 73,
>
> John
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf Of Barry N1EU
> Sent: Saturday, January 14, 2012 8:53 AM
> To: Discussion of Ten-Tec Equipment; Orion565
> Subject: [orion565] Orion LCD backlight adjustment?
>
> Does anyone know if there's an internal adjustment for the LCD backlight?
>
> Thanks & 73,
> Barry N1EU
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

7396. RE: [orion565] Orion LCD backlight adjustment?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-14 15:21:42 UTC
From: John T. Fleming
Topic: 7392 Message: 7396

Barry,

I am not sure to tell the truth. When I look at the menu, I see “Contrast.” On some version of the software, I had to change that to something like 40 or 45 % to have a bright screen. By adjusting the menu to 50% and then adjusting the pot, it was bright again. I just looked back through my Orion manual where I also keep any invoice of work done by Ten-Tec and I see that they replaced the pot on one visit. They called it a “contrast trim pot.” So it may not be actually what you are looking for.

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Saturday, January 14, 2012 10:03 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion LCD backlight adjustment?

Thanks John! And that adjusts the backlight (which is what I need), rather
than the contrast?

73, Barry N1EU

On Sat, Jan 14, 2012 at 2:44 PM, John T. Fleming <john@... <mailto:john%40w3gqj.net> >
wrote:

> **
>
>
> Berry,
>
> You have to remove the bottom panel. The pot is facing down and located
> below the Main AF knob, back about an half inch from the front panel edge.
> It uses a Phillips screw driver. I drilled a small hole something like the
> hole for the mike gain pot. I may adjust it once a year or so. It is
> usually related to a software change. I make sure the menu setting is at 50
> percent first.
>
> 73,
>
> John
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> Behalf Of Barry N1EU
> Sent: Saturday, January 14, 2012 8:53 AM
> To: Discussion of Ten-Tec Equipment; Orion565
> Subject: [orion565] Orion LCD backlight adjustment?
>

> Does anyone know if there's an internal adjustment for the LCD backlight?
>
> Thanks & 73,
> Barry N1EU

[Non-text portions of this message have been removed]

7397. Tuning knob friction adjustment

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-14 16:30:08 UTC
From: Barry N1EU
Topic: 7397 Message: 7397

With the knob friction set as loose as it will go on my 302R remote pod, the friction is still too high for my liking. Does anyone know if the knob assembly can be opened up and the friction clutch adjusted to change the range of adjustment? I believe the knob assembly is the same design in Omni VI and Orion.

Thanks & 73,
Barry N1EU

7398. Re: Tuning knob friction adjustment

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-14 16:39:33 UTC
From: Frankie
Topic: 7397 Message: 7398

It is the same.

Remove the rubber ring and you will find an allen set screw. Basically you will be loosing up the set screw and moving the knob higher on the shaft.

Here is what I did to get the proper feel, as I also like a light touch: Set the knob adjustment to max stiffness, then loosen the set screw. Once the knob moves freely on the shaft I sat the knob to where it barely sat on the pod. I tightened the screw and then I could back off of the adjustment to my desired feel.

Frankie
K4TEN

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> With the knob friction set as loose as it will go on my 302R remote
> pod, the friction is still too high for my liking. Does anyone know
> if the knob assembly can be opened up and the friction clutch adjusted
> to change the range of adjustment? I believe the knob assembly is the
> same design in Omni VI and Orion.
>
> Thanks & 73,
> Barry N1EU
>

7399. Re: Orion LCD backlight adjustment?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-14 17:19:23 UTC
From: pa1ap
Topic: 7392 Message: 7399

According 565 schematics contrast and back light are different circuits.

Contrast control is a combination of a potentiometer and menu based contrast control. The potentiometer is actually connected to the contrast pwm signal as controlled through the menu. The pwm signal is fine tune of rough potentiometer voltage.

Backlight control is not provided through potentiometer. Backlight control is again a combination of fixed voltage and optional pwm control from cpu.however the pwm control is not provided.

Easiest to include an 8 ohm resistor and than adjust contrast through potentiometer. The additional resitor will lower the brightness a littlle and hence the contrast ratio will improve. It also addresses the ghostbpixel challenge.

There is a document available within the file section.

Hope this helps, onno

--- In orion565@yahoogroups.com, "John T. Fleming" <john@...> wrote:
>
> Barry,
>
>
>
> I am not sure to tell the truth. When I look at the menu, I see â□□Contrast.â□□ On some version of the software, I had to change that to something like 40 or 45 % to have a bright screen. By adjusting the menu to 50% and then adjusting the pot, it was bright again. I just looked back through my Orion manual where I also keep any invoice of work done by Ten-Tec and I see that they replaced the pot on one visit. They called it a â□□contrast trim pot.â□□ So it may not be actually what you are looking for.
>
>
>
> John
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
> Sent: Saturday, January 14, 2012 10:03 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Orion LCD backlight adjustment?
>
>
>
>
>
>
> Thanks John! And that adjusts the backlight (which is what I need), rather

> than the contrast?
>
> 73, Barry N1EU
>
> On Sat, Jan 14, 2012 at 2:44 PM, John T. Fleming <john@... <mailto:john%40w3gqj.net> > wrote:
>
> > **
> >
> >
> > Berry,
> >
> > You have to remove the bottom panel. The pot is facing down and located
> > below the Main AF knob, back about an half inch from the front panel edge.
> > It uses a Phillips screw driver. I drilled a small hole something like the
> > hole for the mike gain pot. I may adjust it once a year or so. It is
> > usually related to a software change. I make sure the menu setting is at 50
> > percent first.
> >
> > 73,
> >
> > John
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>] On
> > Behalf Of Barry N1EU
> > Sent: Saturday, January 14, 2012 8:53 AM
> > To: Discussion of Ten-Tec Equipment; Orion565
> > Subject: [orion565] Orion LCD backlight adjustment?
> >
> > Does anyone know if there's an internal adjustment for the LCD backlight?
> >
> > Thanks & 73,
> > Barry N1EU
>
>
>
> [Non-text portions of this message have been removed]
>

7400. Re: [orion565] Re: Orion LCD backlight adjustment?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-14 17:59:54 UTC
From: Barry N1EU
Topic: 7392 Message: 7400

Thanks very much Onno. I'm looking at your excellent PDF file now. In the beginning you have a photo of two screens. The screen actually gets brighter when you reduce the back light?

On Sat, Jan 14, 2012 at 5:19 PM, pa1ap <pa1ap@...> wrote:

> **
>
>
> According 565 schematics contrast and back light are different circuits.
>
> Contrast control is a combination of a potentiometer and menu based
> contrast control. The potentiometer is actually connected to the contrast
> pwm signal as controlled through the menu. The pwm signal is fine tune of
> rough potentiometer voltage.
>
> Backlight control is not provided through potentiometer. Backlight control
> is again a combination of fixed voltage and optional pwm control from
> cpu.however the pwm control is not provided.
>
> Easiest to include an 8 ohm resistor and than adjust contrast through
> potentiometer. The additional resitor will lower the brightness a littlle
> and hence the contrast ratio will improve. It also addresses the
> ghostbpixel challenge.
>
> There is a document available within the file section.
>
> Hope this helps, onno
>
>
> --- In orion565@yahoogroups.com, "John T. Fleming" <john@...> wrote:
> >
> > Barry,
> >
> >
> >
> > I am not sure to tell the truth. When I look at the menu, I see
> â€œContrast.â€ On some version of the software, I had to change that to
> something like 40 or 45 % to have a bright screen. By adjusting the menu to
> 50% and then adjusting the pot, it was bright again. I just looked back
> through my Orion manual where I also keep any invoice of work done by
> Ten-Tec and I see that they replaced the pot on one visit. They called it a
> â€œcontrast trim pot.â€ So it may not be actually what you are looking for.
>
> >

> >
> >
> > John
> >
> >
> >
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf Of Barry N1EU
> > Sent: Saturday, January 14, 2012 10:03 AM
> > To: orion565@yahoogroups.com
> > Subject: Re: [orion565] Orion LCD backlight adjustment?
> >
> >
> >
> >
> >
> > Thanks John! And that adjusts the backlight (which is what I need),
> rather
> > than the contrast?
> >
> > 73, Barry N1EU
> >
> > On Sat, Jan 14, 2012 at 2:44 PM, John T. Fleming <john@... <mailto:
> john%40w3gqj.net> > wrote:
> >
> > > **
> > >
> > >
> > > Berry,
> > >
> > > You have to remove the bottom panel. The pot is facing down and located
> > > below the Main AF knob, back about an half inch from the front panel
> edge.
> > > It uses a Phillips screw driver. I drilled a small hole something like
> the
> > > hole for the mike gain pot. I may adjust it once a year or so. It is
> > > usually related to a software change. I make sure the menu setting is
> at 50
> > > percent first.
> > >
> > > 73,
> > >
> > > John
> > >
> > > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> > > Behalf Of Barry N1EU
> > > Sent: Saturday, January 14, 2012 8:53 AM
> > > To: Discussion of Ten-Tec Equipment; Orion565
> > > Subject: [orion565] Orion LCD backlight adjustment?

> > >
> > > Does anyone know if there's an internal adjustment for the LCD
> backlight?
> > >
> > > Thanks & 73,
> > > Barry N1EU
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>

[Non-text portions of this message have been removed]

7401. Re: Orion LCD backlight adjustment?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-14 18:08:58 UTC
From: pa1ap
Topic: 7392 Message: 7401

It looks like that indeed but keep in mind camera might have adjusted to light conditions. But from my observation / situation I confirm it looks brighter. This might have to do with improved contrast ratio. Hope you find similar results.
--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Thanks very much Onno. I'm looking at your excellent PDF file now. In the
> beginning you have a photo of two screens. The screen actually gets
> brighter when you reduce the back light?
>
> On Sat, Jan 14, 2012 at 5:19 PM, pa1ap <pa1ap@...> wrote:
>
> > **
> >
> >
> > According 565 schematics contrast and back light are different circuits.
> >
> > Contrast control is a combination of a potentiometer and menu based
> > contrast control. The potentiometer is actually connected to the contrast
> > pwm signal as controlled through the menu. The pwm signal is fine tune of
> > rough potentiometer voltage.
> >
> > Backlight control is not provided through potentiometer. Backlight control
> > is again a combination of fixed voltage and optional pwm control from
> > cpu.however the pwm control is not provided.
> >
> > Easiest to include an 8 ohm resistor and than adjust contrast through
> > potentiometer. The additional resitor will lower the brightness a littlle
> > and hence the contrast ratio will improve. It also addresses the
> > ghostbpixel challenge.
> >
> > There is a document available within the file section.
> >
> > Hope this helps, onno
> >
> >
> > --- In orion565@yahoogroups.com, "John T. Fleming" <john@> wrote:
> > >
> > > Barry,
> > >
> > >
> > >
> > > I am not sure to tell the truth. When I look at the menu, I see
> > Ã¢â□¬Å"Contrast.Ã¢â□¬ On some version of the software, I had to change that to
> > something like 40 or 45 % to have a bright screen. By adjusting the menu to
> > 50% and then adjusting the pot, it was bright again. I just looked back

> > through my Orion manual where I also keep any invoice of work done by
> > Ten-Tec and I see that they replaced the pot on one visit. They called it a
> > Ã¢â□¬Å"contrast trim pot.Ã¢â□¬ So it may not be actually what you are looking for.
> >
> > >
> > >
> > >
> > > John
> > >
> > >
> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> > Behalf Of Barry N1EU
> > > Sent: Saturday, January 14, 2012 10:03 AM
> > > To: orion565@yahoogroups.com
> > > Subject: Re: [orion565] Orion LCD backlight adjustment?
> > >
> > >
> > >
> > >
> > >
> > > Thanks John! And that adjusts the backlight (which is what I need),
> > rather
> > > than the contrast?
> > >
> > > 73, Barry N1EU
> > >
> > > On Sat, Jan 14, 2012 at 2:44 PM, John T. Fleming <john@ <mailto:
> > john%40w3gqj.net> > wrote:
> > >
> > > > **
> > > >
> > > >
> > > > Berry,
> > > >
> > > > You have to remove the bottom panel. The pot is facing down and located
> > > > below the Main AF knob, back about an half inch from the front panel
> > edge.
> > > > It uses a Phillips screw driver. I drilled a small hole something like
> > the
> > > > hole for the mike gain pot. I may adjust it once a year or so. It is
> > > > usually related to a software change. I make sure the menu setting is
> > at 50
> > > > percent first.
> > > >
> > > > 73,
> > > >
> > > > John
> > > >

> > > > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> > > > Behalf Of Barry N1EU
> > > > Sent: Saturday, January 14, 2012 8:53 AM
> > > > To: Discussion of Ten-Tec Equipment; Orion565
> > > > Subject: [orion565] Orion LCD backlight adjustment?
> > > >
> > > > Does anyone know if there's an internal adjustment for the LCD
> > backlight?
> > > >
> > > > Thanks & 73,
> > > > Barry N1EU
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
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> >
> [Non-text portions of this message have been removed]
>

7402. Re: [orion565] Re: Tuning knob friction adjustment

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-15 04:34:26 UTC
From: Larry Menzel
Topic: 7397 Message: 7402

Wow, really, Barry? Mine is real nice and loose, spins quite nicely in the loosest position.

If it's not, I wonder if there's some other problem. It shouldn't bind on the housing at all, so I can't imagine how it can be affected by loosening the set screw.

Larry, W0PR

On Sat, Jan 14, 2012 at 10:39 AM, Frankie <k4ten@...> wrote:

> **
>
>
>
>
> It is the same.
>
> Remove the rubber ring and you will find an allen set screw. Basically you
> will be loosing up the set screw and moving the knob higher on the shaft.
>
> Here is what I did to get the proper feel, as I also like a light touch:
> Set the knob adjustment to max stiffness, then loosen the set screw. Once
> the knob moves freely on the shaft I sat the knob to where it barely sat on
> the pod. I tightened the screw and then I could back off of the adjustment
> to my desired feel.
>
> Frankie
> K4TEN
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
> >
> > With the knob friction set as loose as it will go on my 302R remote
> > pod, the friction is still too high for my liking. Does anyone know
> > if the knob assembly can be opened up and the friction clutch adjusted
> > to change the range of adjustment? I believe the knob assembly is the
> > same design in Omni VI and Orion.
> >
> > Thanks & 73,
> > Barry N1EU
> >
>
>
>

[Non-text portions of this message have been removed]

7403. Anyone recently replace an Orion 565 LCD?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-15 15:51:46 UTC
From: Barry N1EU
Topic: 7403 Message: 7403

Has anyone recently had their Orion LCD replaced at the factory? My understanding is that you end up with a blue screen with display options of white letters on blue background or blue letters on white background, is that correct? I'd appreciate it if someone could email me some photos of what the new display looks like in action and how it blends with the black front panel.

Thanks & 73,
Barry N1EU

7404. Orion Backup and Restore final version V2000

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-15 19:00:27 UTC
From: pa1ap
Topic: 7404 Message: 7404

Greetings,

I have been busy whole day and previous night to iron out some of the challenges within the code and Happy to announce the final version of Orion backup and restore program.

The following functionality is provided;

1) Configuration backup with the option to include a unique label prior to writing the backup record into the config backup file.

2) Configuration restore with the flexibility to pick any of the previously stored backup records. This is where the unique label might be handy.

3) Memory backup with the option to include a unique label prior to writing the backup record into the memory backup file.

4) memory restore with the flexibility to pick any of the previously stored backup records. This is where the unique label might be handy.

5) A nice monitor window which translates those weird commands into human language. Plus a progress bar at the bottom and communication status area in the top right corner. The latter is illustrating CTS go / no go status when commands are pending in the transmit queue towards the Orion.

The donate button does not unlock features within the program nor will it start singing a song. It also does not provide a service & support contract. It is just there that in case you appreciate the program you can donate something to sponsor my hobby. Nothing more nothing less.

Thanks and best regards,
Onno

7405. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-15 19:01:29 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 7405

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /BR setup V2000.zip
Uploaded by : pa1ap <pa1ap@...>
Description : Orion backup and restore V2000 final version

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/BR%20setup%20V2000.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

pa1ap <pa1ap@...>

7406. Re: [orion565] Orion Backup and Restore final version V2000

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-15 20:27:49 UTC
From: Per Bekker-Madsen
Topic: 7404 Message: 7406

Onno you are a real HAM :-)

Tnx for all the good work.
Now where you have finished and has nothing to do :-) Would you be so kind
to make a version where you manually can change the settings in the AGC so
we dont have to get hour fingers demolized whith the many turns? :-)

Kind regards and tnx again

Per OZ1EQC/OV2V

2012/1/15 pa1ap <pa1ap@...>

> **
>
>
> Greetings,
>
> I have been busy whole day and previous night to iron out some of the
> challenges
> within the code and Happy to announce the final version of Orion backup and
> restore program.
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> 2) Configuration restore with the flexibility to pick any of the previously
> stored backup records. This is where the unique label might be handy.
>
> 3) Memory backup with the option to include a unique label prior to
> writing the
> backup record into the memory backup file.
>
> 4) memory restore with the flexibility to pick any of the previously stored
> backup records. This is where the unique label might be handy.
>
> 5) A nice monitor window which translates those weird commands into human
> language. Plus a progress bar at the bottom and communication status area
> in the
> top right corner. The latter is illustrating CTS go / no go status when
> commands
> are pending in the transmit queue towards the Orion.
>
> The donate button does not unlock features within the program nor will it

> start
> singing a song. It also does not provide a service & support contract. It
> is
> just there that in case you appreciate the program you can donate
> something to
> sponsor my hobby. Nothing more nothing less.
>
> Thanks and best regards,
> Onno
>
>
>

[Non-text portions of this message have been removed]

7407. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-15 20:42:35 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 7407

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /BR V2100 setup.zip
Uploaded by : pa1ap <pa1ap@...>
Description : Orion BR V2100... found a small GUI bug. got it fixed ;-)

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/BR%20V2100%20setup.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

pa1ap <pa1ap@...>

7408. Re: Orion Backup and Restore final version V2000

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-15 20:48:02 UTC
From: pa1ap
Topic: 7404 Message: 7408

Whats worse is that just after release my "final" version I discovered a selection bug... Fixed it and released the next "final" version V2100. O well... life is great.

Hmmm... AGC settings... yes there is already a program for that. Check the PA1AP AGC folder within file section. No turning knobs, just move the slider up and down... Also select correct firmware version (upper left corner) and you can set threshold and/or RF gain by just pushing the S buttons... Don't like to push S buttons? Just click on Auto S meter and the program will automatically scan and adjust AGC. It was an experiment and also fun to play with.

--- In orion565@yahoogroups.com, Per Bekker-Madsen <oz1eqc@...> wrote:
>
> Onno you are a real HAM :-)
>
> Tnx for all the good work.
> Now where you have finished and has nothing to do :-) Would you be so kind
> to make a version where you manually can change the settings in the AGC so
> we dont have to get hour fingers demolized whith the many turns? :-)
>
> Kind regards and tnx again
>
> Per OZ1EQC/OV2V
>
>
> 2012/1/15 pa1ap <pa1ap@...>
>
> > **
> >
> >
> > Greetings,
> >
> > I have been busy whole day and previous night to iron out some of the
> > challenges
> > within the code and Happy to announce the final version of Orion backup and
> > restore program.
> >
> > The following functionality is provided;
> >
> > 1) Configuration backup with the option to include a unique label prior to
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> >
> > 2) Configuration restore with the flexibility to pick any of the previously
> > stored backup records. This is where the unique label might be handy.
> >
> > 3) Memory backup with the option to include a unique label prior to

> > writing the
> > backup record into the memory backup file.
> >
> > 4) memory restore with the flexibility to pick any of the previously stored
> > backup records. This is where the unique label might be handy.
> >
> > 5) A nice monitor window which translates those weird commands into human
> > language. Plus a progress bar at the bottom and communication status area
> > in the
> > top right corner. The latter is illustrating CTS go / no go status when
> > commands
> > are pending in the transmit queue towards the Orion.
> >
> > The donate button does not unlock features within the program nor will it
> > start
> > singing a song. It also does not provide a service & support contract. It
> > is
> > just there that in case you appreciate the program you can donate
> > something to
> > sponsor my hobby. Nothing more nothing less.
> >
> > Thanks and best regards,
> > Onno
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

7409. Orion adjustment pots

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-15 21:26:04 UTC
From: Barry N1EU
Topic: 7409 Message: 7409

There are 3 adjustment pots accessible through the top and bottom front panel covers of the Orion. I'd appreciate help identifying them. There are two on the bottom - the one without external access is Contrast adjust and the one with external access is mic gain. Does anyone know what the one adjustment on the top panel (without external access) is for?

Thanks & 73,
Barry N1EU

7413. Re: Orion adjustment pots

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-16 12:45:52 UTC
From: Mark
Topic: 7409 Message: 7413

QSL
I just did a re-adjustment using that potmeter a week ago.
Did not like the original S-meter behavior; sitting at S-1.5 at no input signal.

Using a Marconi signal generator I calibrated S1 at -121dBm(pre-amp off). Pretty accurate meter showing some +5 dB per S-unit.
Thus found S9 to be 7.8 really. But with pre-amp on exactly S9 again(-73dBm). Well'it's an S-meter, not science :)

Two issues however:
- Forgot if the RX ant for 2nd receiver was enabled yes/no, as this does affect the input for the main RX as well.
- 100W TX output now shows 85%, which is fine.

73 Mark, PA5MW
ORION 565, bought in 2004

--- In orion565@yahoogroups.com, "ve7tk" <ve7tk@...> wrote:
>
> Looking at the V2 logic mod figure on page #4 it says "Meter". That may well mean S-meter ..... then again it may not - hi!

7414. Re: Orion LCD backlight adjustment?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-16 12:51:07 UTC
From: Mark
Topic: 7392 Message: 7414

This mod did wonders for my display, resulting in a much better contrast.
I did not have to readjust the HW setting(potm), just the menu settings a bit.

Thanks for this modification. It is easy and very effective.

73 Mark, PA5MW
ORION Bought in 2004

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:

> > > Easiest to include an 8 ohm resistor and than adjust contrast through
> > > potentiometer. The additional resitor will lower the brightness a littlle
> > > and hence the contrast ratio will improve. It also addresses the
> > > ghostbpixel challenge.

7417. Re: [orion565] Orion LCD backlight adjustment?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-16 21:10:38 UTC
From: John W Morris
Topic: 7392 Message: 7417

Ok

Sent from my i phone

On Jan 14, 2012, at 9:44 AM, "John T. Fleming" <john@...> wrote:

> Berry,
>
>
>
> You have to remove the bottom panel. The pot is facing down and located below the Main AF knob, back about an half inch from the front panel edge. It uses a Phillips screw driver. I drilled a small hole something like the hole for the mike gain pot. I may adjust it once a year or so. It is usually related to a software change. I make sure the menu setting is at 50 percent first.
>
>
>
> 73,
>
> John
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
> Sent: Saturday, January 14, 2012 8:53 AM
> To: Discussion of Ten-Tec Equipment; Orion565
> Subject: [orion565] Orion LCD backlight adjustment?
>
>
>
>
>
>
> Does anyone know if there's an internal adjustment for the LCD backlight?
>
> Thanks & 73,
> Barry N1EU
>
>
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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7419. Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 04:33:36 UTC
From: Paul DeWitte
Topic: 7419 Message: 7419

I am runnibg V2064X11, mostly chasing DX on the low bands.
Just wondering what others are using for RCV settings.

Do you use NR? I find that if I use NR I have to turn up the RF Gain quite a bit just to hear and then noise is back where I started.

Also what AGC setting. I find no difference in slow,fast, PROG, and off.
Maybe not trying one setting for long enough to tell a difference.

Any comments appreciated,and will the new V3 firmware be better?

Thanks, 73
Paul K9OT

7420. Re: [orion565] Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 07:41:06 UTC
From: Per Bekker-Madsen
Topic: 7419 Message: 7420

Hi Paul
I can recommend you to read these files
http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/ and
read all here http://tentecwiki.org/doku.php?id=565 This is a goldmine of
informations espaecially the AGC information are an eye opener. I have a
completely new ORION 565 after I have chnaged the AGC setting according to
W9GE´s list.

Have fun

/3 Per OZ1EQC/OV2V

2012/1/17 Paul DeWitte <k9ot@...>

> I am runnibg V2064X11, mostly chasing DX on the low bands.
> Just wondering what others are using for RCV settings.
>
> Do you use NR? I find that if I use NR I have to turn up the RF Gain quite
> a
> bit just to hear and then noise is back where I started.
>
>
> Also what AGC setting. I find no difference in slow,fast, PROG, and off.
> Maybe not trying one setting for long enough to tell a difference.
>
> Any comments appreciated,and will the new V3 firmware be better?
>
> Thanks, 73
> Paul K9OT
>
>
>
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>
> Yahoo! Groups Links
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>

[Non-text portions of this message have been removed]

7421. Re: Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 08:19:14 UTC
From: pa1ap
Topic: 7419 Message: 7421

Hi Paul, Per,

In essence the Orion Gain is in most circumstances to high which make the receiver sound "very busy". This because every tiny blib, crack, burb is amplified to nominal level.

Most practical (as shared by Barry and others) ;

1) go to empty part of the band
2) turn up AF volume to a level where you can hear the noise at a level you would like to hear the stations
3) turn down RF Gain until you hear the noise drop. Easiest trick is to look at your s meter indication (for example s3 band noise) and turn down RF Gain until the s meter exceeds the bandnoise (s4..s4)...

Don't touch anymore after that.... What will happen is that bandnoise will drop below threshold and will not receive AGC processing... That is a good thing since it will make a lot less sound.... However any station above the threshold (in theory your s meter indicator) would be processed to meet nominal audio presence...

As a result, desired signals will sound loud. and undesired signals would sound less.

The rule of thumb is that RF Gain should not be higher than 80% or so.

The AGC program was written to explore all of this behavior. Because I am lazy I also included the procedure above through push of a button principle but also learned that each firmware has different s-meter values within the software. That made it a bit challenging to keep up with all those firmware versions... Another thing included is a RF Gain / Threshold slider which is pritty easy to use since you can just slide RF Gain / threshold to any value by touch of the mouse pointer.

Anyway, enjoy experimenting with the receiver. It is great fun!

Best regards,
Onno

--- In orion565@yahoogroups.com, Per Bekker-Madsen <oz1eqc@...> wrote:
>
> Hi Paul
> I can recommend you to read these files
> http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/ and
> read all here http://tentecwiki.org/doku.php?id=565 This is a goldmine of
> informations espaecially the AGC information are an eye opener. I have a
> completely new ORION 565 after I have chnaged the AGC setting according to
> W9GE´s list.
>
> Have fun
>

> /3 Per OZ1EQC/OV2V
>
> 2012/1/17 Paul DeWitte <k9ot@...>
>
> > I am runnibg V2064X11, mostly chasing DX on the low bands.
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> >
> >
> > Also what AGC setting. I find no difference in slow,fast, PROG, and off.
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> >
> > Any comments appreciated,and will the new V3 firmware be better?
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> > Thanks, 73
> > Paul K9OT
> >
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> > Yahoo! Groups Links
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>
> [Non-text portions of this message have been removed]
>

7422. Re: [orion565] Re: Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 09:24:15 UTC
From: Per Bekker-Madsen
Topic: 7419 Message: 7422

After setting the AGC Prog I am using the RF-Gain between 50 and 60%

73 Per OZ1EQC/OV2V

2012/1/17 pa1ap <pa1ap@...>

> **
>
>
> Hi Paul, Per,
>
> In essence the Orion Gain is in most circumstances to high which make the
> receiver sound "very busy". This because every tiny blib, crack, burb is
> amplified to nominal level.
>
> Most practical (as shared by Barry and others) ;
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> 1) go to empty part of the band
> 2) turn up AF volume to a level where you can hear the noise at a level
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> look at your s meter indication (for example s3 band noise) and turn down
> RF Gain until the s meter exceeds the bandnoise (s4..s4)...
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> Don't touch anymore after that.... What will happen is that bandnoise will
> drop below threshold and will not receive AGC processing... That is a good
> thing since it will make a lot less sound.... However any station above the
> threshold (in theory your s meter indicator) would be processed to meet
> nominal audio presence...
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> As a result, desired signals will sound loud. and undesired signals would
> sound less.
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> The rule of thumb is that RF Gain should not be higher than 80% or so.
>
> The AGC program was written to explore all of this behavior. Because I am
> lazy I also included the procedure above through push of a button principle
> but also learned that each firmware has different s-meter values within the
> software. That made it a bit challenging to keep up with all those firmware
> versions... Another thing included is a RF Gain / Threshold slider which is
> pritty easy to use since you can just slide RF Gain / threshold to any
> value by touch of the mouse pointer.
>
> Anyway, enjoy experimenting with the receiver. It is great fun!
>
> Best regards,

> Onno
>
> --- In orion565@yahoogroups.com, Per Bekker-Madsen <oz1eqc@...> wrote:
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> > Hi Paul
> > I can recommend you to read these files
> > http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/ and
> > read all here http://tentecwiki.org/doku.php?id=565 This is a goldmine
> of
> > informations espaecially the AGC information are an eye opener. I have a
> > completely new ORION 565 after I have chnaged the AGC setting according
> to
> > W9GE?s list.
> >
> > Have fun
> >
> > /3 Per OZ1EQC/OV2V
> >
> > 2012/1/17 Paul DeWitte <k9ot@...>
> >
> > > I am runnibg V2064X11, mostly chasing DX on the low bands.
> > > Just wondering what others are using for RCV settings.
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> > > a
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7423. Re: Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 09:48:33 UTC
From: pa1ap
Topic: 7419 Message: 7423

Its good to have a reference values and please keep in mind that AGC settings are station specific values.

From my point of view / experience;

Antenna's, antenna position, day and night time conditions, frequency, local noise generators (neighbor plasma TV's..) and so on vary for each station.

I am often using different values for each band and it is worthwhile (if hunting weak signals) to take a minute or so to adjust AGC to the band you are hunting.

Best regards, Onno

--- In orion565@yahoogroups.com, Per Bekker-Madsen <oz1eqc@...> wrote:
>
> After setting the AGC Prog I am using the RF-Gain between 50 and 60%
>
> 73 Per OZ1EQC/OV2V
>
> 2012/1/17 pa1ap <pa1ap@...>
>
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> > Hi Paul, Per,
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> > In essence the Orion Gain is in most circumstances to high which make the
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> > Most practical (as shared by Barry and others) ;
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> > 1) go to empty part of the band
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> > 3) turn down RF Gain until you hear the noise drop. Easiest trick is to
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> > As a result, desired signals will sound loud. and undesired signals would

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> > The rule of thumb is that RF Gain should not be higher than 80% or so.
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> > The AGC program was written to explore all of this behavior. Because I am
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> > but also learned that each firmware has different s-meter values within the
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> > Anyway, enjoy experimenting with the receiver. It is great fun!
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> > >
> > > Have fun
> > >
> > > /3 Per OZ1EQC/OV2V
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> > > 2012/1/17 Paul DeWitte <k9ot@>
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7424. Re: [orion565] Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 10:36:15 UTC
From: Barry N1EU
Topic: 7419 Message: 7424

On Tue, Jan 17, 2012 at 4:33 AM, Paul DeWitte <k9ot@...> wrote:

>
> Any comments appreciated,and will the new V3 firmware be better?
>

Yes, v3 firmware will be a significant improvement and might be
available within a few weeks.

Barry N1EU

7425. Re: [orion565] Re: Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 11:49:36 UTC
From: Per Bekker-Madsen
Topic: 7419 Message: 7425

Couldnt you create a small app so we can have up to twenty different User settings :-)

73 Per OZ1EQC/OV2V

2012/1/17 pa1ap <pa1ap@...>

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> Its good to have a reference values and please keep in mind that AGC
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> Best regards, Onno
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7426. Re: [orion565] Re: Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 12:16:54 UTC
From: Barry N1EU
Topic: 7419 Message: 7426

A few comments:

- I wouldn't bother with changing firmware versions at this point - just continue to use whatever is currently installed in your Orion and wait for v3 to be available soon

- Onno gave good advice previously. I would describe it as follows:

1. Go into Menu - RX and turn AGC Threshold down to 1uV or so - it's not critical and you just leave it there, ALWAYS. Other AGC settings are not critical.

2. Turn preamp on and RF Gain to 100. Tune in an s9+ station. Turn up the AF Gain till its very loud, but still comfortable. This is your AF Gain setting - NEVER change it

3. Now go to an empty part of the band. Leave preamp on (see http://tentecwiki.org/doku.php?id=565_566_588_rf_af_gain for an explanation why you always want to leave preamp on - you want to maximize the signal going to the ADC). Turn RF Gain down till you can just hear band noise faintly in the background. My RF Gain is typically 30-60, depending on band and antenna.

You're done. You can make slight adjustments to RF Gain as needed, but leave AF Gain alone.

Barry N1EU

On Tue, Jan 17, 2012 at 8:19 AM, pa1ap <pa1ap@nextchallenge.net> wrote:

> **
>
>
> Hi Paul, Per,
>
> In essence the Orion Gain is in most circumstances to high which make the
> receiver sound "very busy". This because every tiny blib, crack, burb is
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> Don't touch anymore after that.... What will happen is that bandnoise will
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> The rule of thumb is that RF Gain should not be higher than 80% or so.
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> Anyway, enjoy experimenting with the receiver. It is great fun!
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> --- In orion565@yahoogroups.com, Per Bekker-Madsen <oz1eqc@...> wrote:
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> > Hi Paul
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7427. Re: [orion565] Re: Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 14:22:09 UTC
From: John Huffman
Topic: 7419 Message: 7427

And, for CW on all but the weakest stations:
- do what Barry says below, then
- set bandwidth to 100hz
- set NR to 2
- adjust RF gain so that it sounds like a code practice oscillator with absolutely no band noise.

CW is a huge pleasure when you do that. Great for ragchewing. I like my K3 but keep going back to the Orion just for this feature.

73 de K1ESE
John

On 1/17/2012 7:16 AM, Barry N1EU wrote:
>
> 1. Go into Menu - RX and turn AGC Threshold down to 1uV or so - it's not
> critical and you just leave it there, ALWAYS. Other AGC settings are not
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7428. Re: Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 15:41:39 UTC
From: pa1ap
Topic: 7419 Message: 7428

Work in progress. I shared this idea in earlier postings I think.

I have program flow made. starting with small window only containing one button called "learn"... adjust the orion to the settings you like and click the "learn" button. This will execute a query to orion and store it under a new button, followed by last question "button name"... Provide button name and ready....

The learn button will be recreated again and after changing bands and settings you can repeat the sequence again.... and so on....

When you start the program you will have a number of buttons. Click on any of those buttons (except learn) and the orion will be programmed according the settings as stored behind that button.

Sounds good?

Best regards, Onno

--- In orion565@yahoogroups.com, Per Bekker-Madsen <oz1eqc@...> wrote:
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7429. Re: [orion565] Re: Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 15:50:23 UTC
From: Barry N1EU
Topic: 7419 Message: 7429

Sounds very good Onno. If possible, I'd like the ability to store/restore without changing VFO frequency - store my radio settings other than the vfo frequencies and restore likewise.

For example, I create a stored profile for use in cw diversity reception that restores bandwidth/PBT, antenna selection, vfo selection, audio L/R, RF Gain (if possible), and AGC but leaves vfo frequency alone. If that's not possible, then I imagine I can just create a separate stored profile for each band.

Thanks & 73,
Barry N1EU

On Tue, Jan 17, 2012 at 3:41 PM, pa1ap <pa1ap@...> wrote:

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>
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> Work in progress. I shared this idea in earlier postings I think.
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> > > local noise generators (neighbor plasma TV's..) and so on vary for each
> > > station.
> > >
> > > I am often using different values for each band and it is worthwhile
> (if
> > > hunting weak signals) to take a minute or so to adjust AGC to the band
> you
> > > are hunting.
> > >
> > > Best regards, Onno
> > >
> > > --- In orion565@yahoogroups.com, Per Bekker-Madsen <oz1eqc@> wrote:
> > > >
> > > > After setting the AGC Prog I am using the RF-Gain between 50 and 60%
> > > >
> > > > 73 Per OZ1EQC/OV2V
> > > >
> > > > 2012/1/17 pa1ap <pa1ap@>
> > > >
> > > > > **
> > > > >
> > > > >
> > > > > Hi Paul, Per,
> > > > >
> > > > > In essence the Orion Gain is in most circumstances to high which
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> > > the
> > > > > receiver sound "very busy". This because every tiny blib, crack,
> burb
> > > is
> > > > > amplified to nominal level.
> > > > >
> > > > > Most practical (as shared by Barry and others) ;
> > > > >
> > > > > 1) go to empty part of the band
> > > > > 2) turn up AF volume to a level where you can hear the noise at a
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> > > > > 3) turn down RF Gain until you hear the noise drop. Easiest trick

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> > > > > look at your s meter indication (for example s3 band noise) and
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> > > > > RF Gain until the s meter exceeds the bandnoise (s4..s4)...
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> > > > > Don't touch anymore after that.... What will happen is that
> bandnoise
> > > will
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> > > good
> > > > > thing since it will make a lot less sound.... However any station
> > > above the
> > > > > threshold (in theory your s meter indicator) would be processed to
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> > > > > nominal audio presence...
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> > > would
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> > > > > >
> > > > > The rule of thumb is that RF Gain should not be higher than 80% or
> so.
> > > > > >
> > > > > The AGC program was written to explore all of this behavior.
> Because I
> > > am
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> > > > > value by touch of the mouse pointer.
> > > > > >
> > > > > Anyway, enjoy experimenting with the receiver. It is great fun!
> > > > > >
> > > > > Best regards,
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> > > > > >
> > > > > --- In orion565@yahoogroups.com, Per Bekker-Madsen <oz1eqc@>
> wrote:
> > > > > >
> > > > > > Hi Paul
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> > > > > >
> http://groups.yahoo.com/group/orion565/files/pa1ap%20AGC%20program/and
> > > > > > read all here http://tentecwiki.org/doku.php?id=565 This is a
> > > goldmine
> > > > > of
> > > > > > informations espaecially the AGC information are an eye opener. I
> > > have a
> > > > > > completely new ORION 565 after I have chnaged the AGC setting
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> > > > > to
> > > > > > W9GE´s list.
>
> > > > > >
> > > > > > Have fun
> > > > > >
> > > > > > /3 Per OZ1EQC/OV2V
> > > > > >
> > > > > > 2012/1/17 Paul DeWitte <k9ot@>
> > > > > >
> > > > > > > I am runnibg V2064X11, mostly chasing DX on the low bands.
> > > > > > > Just wondering what others are using for RCV settings.
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> > > > > > > Do you use NR? I find that if I use NR I have to turn up the RF
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> > > > > > > Any comments appreciated,and will the new V3 firmware be
> better?
> > > > > > >
> > > > > > > Thanks, 73
> > > > > > > Paul K9OT
> > > > > > >
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> > > > > > > [Non-text portions of this message have been removed]
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> > > > > [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7430. Re: Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 15:59:59 UTC
From: pa1ap
Topic: 7419 Message: 7430

Right now the program actually creates a record for each button within a config_file. when pushing a button, all the program does is lookup the button record and read the elements.

I could create a preference bar and store this value to. The preference bar would allow the user to select which attributes will be send to orion after button is pushed. When you change the preference bar this value will be saved to the same config_file.

During the learn phase all attributes will be pushed into the record. During the execute phase (push created button) the preference bar enabled values will be send to orion.

I will share a screenshot later this week. The gui might be a bit challenging for me as novice programmer.

Regards, Onno

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Sounds very good Onno. If possible, I'd like the ability to store/restore
> without changing VFO frequency - store my radio settings other than the vfo
> frequencies and restore likewise.
>
> For example, I create a stored profile for use in cw diversity reception
> that restores bandwidth/PBT, antenna selection, vfo selection, audio L/R,
> RF Gain (if possible), and AGC but leaves vfo frequency alone. If that's
> not possible, then I imagine I can just create a separate stored profile
> for each band.
>
> Thanks & 73,
> Barry N1EU
>
> On Tue, Jan 17, 2012 at 3:41 PM, pa1ap <pa1ap@...> wrote:
>
> > **
> > >
> > >
> > Work in progress. I shared this idea in earlier postings I think.
> > >
> > I have program flow made. starting with small window only containing one
> > button called "learn"... adjust the orion to the settings you like and
> > click the "learn" button. This will execute a query to orion and store it
> > under a new button, followed by last question "button name"... Provide
> > button name and ready....
> > >
> > The learn button will be recreated again and after changing bands and
> > settings you can repeat the sequence again.... and so on....
> > >

> > When you start the program you will have a number of buttons. Click on any
> > of those buttons (except learn) and the orion will be programmed according
> > the settings as stored behind that button.
> >
> > Sounds good?
> >
> > Best regards, Onno
> >
> > --- In orion565@yahoogroups.com, Per Bekker-Madsen <oz1eqc@> wrote:
> > >
> > > Couldnt you create a small app so we can have up to twenty different User
> > > settings :-)
> > >
> > > 73 Per OZ1EQC/OV2V
> > >
> > >
> > > 2012/1/17 pa1ap <pa1ap@>
> > >
> > >
> > > > **
> > > >
> > > >
> > > > Its good to have a reference values and please keep in mind that AGC
> > > > settings are station specific values.
> > > >
> > > > From my point of view / experience;
> > > >
> > > > Antenna's, antenna position, day and night time conditions, frequency,
> > > > local noise generators (neighbor plasma TV's..) and so on vary for each
> > > > station.
> > > >
> > > > I am often using different values for each band and it is worthwhile
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> > > > which is
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> > > > > > value by touch of the mouse pointer.
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> > > > > > Anyway, enjoy experimenting with the receiver. It is great fun!
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> > > > > > Best regards,
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> > > > > > --- In orion565@yahoogroups.com, Per Bekker-Madsen <oz1eqc@>
> > wrote:
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> > > > > > > informations espaecially the AGC information are an eye opener. I
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> > > > > > > /3 Per OZ1EQC/OV2V
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> > > > > > > 2012/1/17 Paul DeWitte <k9ot@>
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> > > > > > > > > > Thanks, 73
> > > > > > > > > > Paul K9OT
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> > > > > > > > > > [Non-text portions of this message have been removed]

7431. Re: [orion565] Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 17:18:16 UTC
From: Larry Menzel
Topic: 7419 Message: 7431

Good morning, Paul.

IMO, the default AGC settings are not very dynamic, nor do they show off the receiver's marvelous abilities. In MENU | Receiver you can set different parameters for each AGC position. Here are the settings I use. Keep in mind that my hearing has deteriorated over the years and I like to see a fairly dynamic difference between AGC positions. So try these and see how you like them, and then you can tweak them from here. Begin by turning the RF gain to 100. Watch the S meter when adjusting the Threshold setting. Turn the RF gain back to about 70 when settings are completed.

Slow
Hang: 1 second
Decay: 10 dB/s
Threshold: 11 uV (About S6 on the meter)

Medium
Hang: .5 seconds
Decay: 20dB/s
Threshold: 5uV (about S5 on the meter)

Fast
Hang: .2 seconds
Decay: 80dB/s
Threshold: 1.4uV (about S2.5 on the meter)

Program
Hang: .1 second
Decay: 200dB/sec or faster to "taste" (about S2 on the meter)

I set the AGC Slope to 2:10 dB.

I use slow AGC when condx are good and on SSB and then work down as conditions get worse. Having the THRESHOLD available in the AGC settings makes it very convenient to quickly set the best performance for any conditions. You an still use the RF Gain to reduce more if desired.

There is no one "right" setting with Orion. But this adjustable AGC is one of the best features of the Orion receiver in my opinion.

With these greatly different threshold settings, I believe you'll appreciate this feature.

With thanks to Lee, WA3FIY.

Larry, W0PR
Northfield, MN

On Mon, Jan 16, 2012 at 10:33 PM, Paul DeWitte <k9ot@...> wrote:

> I am runnibg V2064X11, mostly chasing DX on the low bands.
> Just wondering what others are using for RCV settings.
>
> Do you use NR? I find that if I use NR I have to turn up the RF Gain quite
> a
> bit just to hear and then noise is back where I started.
>
>
> Also what AGC setting. I find no difference in slow,fast, PROG, and off.
> Maybe not trying one setting for long enough to tell a difference.
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> Any comments appreciated,and will the new V3 firmware be better?
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> Thanks, 73
> Paul K9OT
>
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[Non-text portions of this message have been removed]

7432. Re: [orion565] Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 17:23:53 UTC
From: Larry Menzel
Topic: 7419 Message: 7432

OOps. I forgot the Threshold setting for the PROGRAM AGC setting:

Threshold: .75 - 1.0 uV (about S2 on the meter)

I use these same settings for both VFO's. You have to push the MENU button after each AGC setting is make, then push the AGC button on the front panel to the next level, and then go back to the MENU | RECEIVER to make the next adjustment...clunky, but there it is.

Don't forget to turn the RF Gain back to bout 70% or so after making these settings.

Larry, W0PR

On Tue, Jan 17, 2012 at 11:18 AM, Larry Menzel <retire@...> wrote:

> Good morning, Paul.
>
> IMO, the default AGC settings are not very dynamic, nor do they show off
> the receiver's marvelous abilities. In MENU | Receiver you can set
> different parameters for each AGC position. Here are the settings I use.
> Keep in mind that my hearing has deteriorated over the years and I like to
> see a fairly dynamic difference between AGC positions. So try these and
> see how you like them, and then you can tweak them from here. Begin by
> turning the RF gain to 100. Watch the S meter when adjusting the Threshold
> setting. Turn the RF gain back to about 70 when settings are completed.
>
> Slow
> Hang: 1 second
> Decay: 10 dB/s
> Threshold: 11 uV (About S6 on the meter)
>
> Medium
> Hang: .5 seconds
> Decay: 20dB/s
> Threshold: 5uV (about S5 on the meter)
>
> Fast
> Hang: .2 seconds
> Decay: 80dB/s
> Threshold: 1.4uV (about S2.5 on the meter)
>
> Program
> Hang: .1 second
> Decay: 200dB/sec or faster to "taste" (about S2 on the meter)
>

> I set the AGC Slope to 2:10 dB.
>
> I use slow AGC when condx are good and on SSB and then work down as
> conditions get worse. Having the THRESHOLD available in the AGC settings
> makes it very convenient to quickly set the best performance for any
> conditions. You an still use the RF Gain to reduce more if desired.
>
> There is no one "right" setting with Orion. But this adjustable AGC is
> one of the best features of the Orion receiver in my opinion.
>
> With these greatly different threshold settings, I believe you'll
> appreciate this feature.
>
> With thanks to Lee, WA3FIY.
>
> Larry, W0PR
> Northfield, MN
>
>
> On Mon, Jan 16, 2012 at 10:33 PM, Paul DeWitte <k9ot@...> wrote:
>
>> I am runnibg V2064X11, mostly chasing DX on the low bands.
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>> Also what AGC setting. I find no difference in slow,fast, PROG, and off.
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>> Thanks, 73
>> Paul K9OT
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[Non-text portions of this message have been removed]

7433. Re: [orion565] Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 17:26:31 UTC
From: Paul DeWitte
Topic: 7419 Message: 7433

Thanks Larry I will try those settings. My hearing is also not what it used to be.

So will give it a try.

73, & Thanks

Paul K9OT

----- Original Message -----
From: "Larry Menzel" <retire@...>
To: <orion565@yahoogroups.com>
Sent: Tuesday, January 17, 2012 11:18 AM
Subject: Re: [orion565] Orion RCV settings

> Good morning, Paul.
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>
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> Hang: .2 seconds
> Decay: 80dB/s
> Threshold: 1.4uV (about S2.5 on the meter)
>
> Program
> Hang: .1 second
> Decay: 200dB/sec or faster to "taste" (about S2 on the meter)
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>
> I use slow AGC when condx are good and on SSB and then work down as
> conditions get worse. Having the THRESHOLD available in the AGC settings
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> Larry, W0PR
> Northfield, MN
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> On Mon, Jan 16, 2012 at 10:33 PM, Paul DeWitte <k9ot@...> wrote:
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7434. Re: [orion565] Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 17:45:50 UTC
From: Barry N1EU
Topic: 7419 Message: 7434

I will keep saying this until I'm blue in the face. What I am saying has
been confirmed by Ten-Tec Engineering.

Set the Threshold setting low (1uV), and leave it there. The threshold is
automatically changed and managed by the firmware when you lower the RF
Gain setting.

If you want to play with Threshold, fine. But don't. It was necessary
back in 2004 with early v1 firmware. But then AGC and RF Gain were
integrated in the later v1 versions and all that Threshold twiddling was
instantly obsolete.

Don't touch Threshold - use RF Gain.

The cult of magic AGC settings is alluring but won't help your Orion
performance. High AF Gain, low RF Gain is ALL you need to do.

73, Barry N1EU

On Tue, Jan 17, 2012 at 5:26 PM, Paul DeWitte <k9ot@yousq.net> wrote:

> **
>
>
> Thanks Larry I will try those settings. My hearing is also not what it
> used
> to be.
>
> So will give it a try.
>
> 73, & Thanks
>
> Paul K9OT
>
>
> ----- Original Message -----
> From: "Larry Menzel" <retire@...>
> To: <orion565@yahoogroups.com>
> Sent: Tuesday, January 17, 2012 11:18 AM
> Subject: Re: [orion565] Orion RCV settings
>
> > Good morning, Paul.
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> > IMO, the default AGC settings are not very dynamic, nor do they show off
> > the receiver's marvelous abilities. In MENU | Receiver you can set
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> > setting. Turn the RF gain back to about 70 when settings are completed.
> >
> > Slow
> > Hang: 1 second
> > Decay: 10 dB/s
> > Threshold: 11 uV (About S6 on the meter)
> >
> > Medium
> > Hang: .5 seconds
> > Decay: 20dB/s
> > Threshold: 5uV (about S5 on the meter)
> >
> > Fast
> > Hang: .2 seconds
> > Decay: 80dB/s
> > Threshold: 1.4uV (about S2.5 on the meter)
> >
> > Program
> > Hang: .1 second
> > Decay: 200dB/sec or faster to "taste" (about S2 on the meter)
> >
> > I set the AGC Slope to 2:10 dB.
> >
> > I use slow AGC when condx are good and on SSB and then work down as
> > conditions get worse. Having the THRESHOLD available in the AGC settings
> > makes it very convenient to quickly set the best performance for any
> > conditions. You an still use the RF Gain to reduce more if desired.
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> > There is no one "right" setting with Orion. But this adjustable AGC is
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> > of the best features of the Orion receiver in my opinion.
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> > With these greatly different threshold settings, I believe you'll
> > appreciate this feature.
> >
> > With thanks to Lee, WA3FIY.
> >
> > Larry, W0PR
> > Northfield, MN
> >
> >
> > On Mon, Jan 16, 2012 at 10:33 PM, Paul DeWitte <k9ot@...> wrote:
> >
> >> I am runnibg V2064X11, mostly chasing DX on the low bands.
> >> Just wondering what others are using for RCV settings.

> >>
> >> Do you use NR? I find that if I use NR I have to turn up the RF Gain
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> >> Also what AGC setting. I find no difference in slow,fast, PROG, and off.
> >> Maybe not trying one setting for long enough to tell a difference.
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> >> Any comments appreciated,and will the new V3 firmware be better?
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> >> Thanks, 73
> >> Paul K9OT
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7435. Re: [orion565] Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 18:04:07 UTC
From: Larry Menzel
Topic: 7419 Message: 7435

Thank you for your input, Barry. I have used those settings for a long time, and was unaware of the "upgrades" of the automatic changes managed by the firmware.

I'll readjust one of my Orions and see how I like that.

Larry, W0PR

On Tue, Jan 17, 2012 at 11:45 AM, Barry N1EU <barry.n1eu@...> wrote:

> **
>
>
> I will keep saying this until I'm blue in the face. What I am saying has
> been confirmed by Ten-Tec Engineering.
>
> Set the Threshold setting low (1uV), and leave it there. The threshold is
> automatically changed and managed by the firmware when you lower the RF
> Gain setting.
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> If you want to play with Threshold, fine. But don't. It was necessary
> back in 2004 with early v1 firmware. But then AGC and RF Gain were
> integrated in the later v1 versions and all that Threshold twiddling was
> instantly obsolete.
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> Don't touch Threshold - use RF Gain.
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> The cult of magic AGC settings is alluring but won't help your Orion
> performance. High AF Gain, low RF Gain is ALL you need to do.
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> 73, Barry N1EU
>
> On Tue, Jan 17, 2012 at 5:26 PM, Paul DeWitte <k9ot@...> wrote:
>
> > **
> > >
> > >
> > Thanks Larry I will try those settings. My hearing is also not what it
> > used
> > to be.
> > >
> > So will give it a try.
> > >
> > 73, & Thanks
> > >
> > Paul K9OT

> > > > > ----- Original Message -----
> > > > > From: "Larry Menzel" <retire@...>
> > > > > To: <orion565@yahoogroups.com>
> > > > > Sent: Tuesday, January 17, 2012 11:18 AM
> > > > > Subject: Re: [orion565] Orion RCV settings
> > > > >
> > > > > > Good morning, Paul.
> > > > > >
> > > > > > IMO, the default AGC settings are not very dynamic, nor do they show
> > > > > off
> > > > > > the receiver's marvelous abilities. In MENU | Receiver you can set
> > > > > > different parameters for each AGC position. Here are the settings I
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> > > > > > see a fairly dynamic difference between AGC positions. So try these and
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> > > > > > Hang: 1 second
> > > > > > Decay: 10 dB/s
> > > > > > Threshold: 11 uV (About S6 on the meter)
> > > > > >
> > > > > > Medium
> > > > > > Hang: .5 seconds
> > > > > > Decay: 20dB/s
> > > > > > Threshold: 5uV (about S5 on the meter)
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> > > > > > Fast
> > > > > > Hang: .2 seconds
> > > > > > Decay: 80dB/s
> > > > > > Threshold: 1.4uV (about S2.5 on the meter)
> > > > > >
> > > > > > Program
> > > > > > Hang: .1 second
> > > > > > Decay: 200dB/sec or faster to "taste" (about S2 on the meter)
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> > > > > > I set the AGC Slope to 2:10 dB.
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> > > > > > I use slow AGC when condx are good and on SSB and then work down as
> > > > > > conditions get worse. Having the THRESHOLD available in the AGC
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> > > > > > makes it very convenient to quickly set the best performance for any
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7436. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 18:43:40 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 7436

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /BR V2120.zip
Uploaded by : pa1ap <pa1ap@...>
Description : ORION backup and restore... some minor fixes

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/BR%20V2120.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

pa1ap <pa1ap@...>

7437. Re: [orion565] Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 19:02:58 UTC
From: Barry N1EU
Topic: 7419 Message: 7437

Have a listen to what my Orion sounds like with the gain/AGC set as
I've described previously:

http://n1eu.com/mp3/ve3axw.mp3

I made this recording yesterday - VE3AXW on 40M LSB working some
weaker European stations. Please listen with headphones since it's a
stereo diversity recording. The left channel is the main rx and 40M
dipole; the right channel is the subrx with 580ft Beverage toward
Europe.

Barry N1EU

On Tue, Jan 17, 2012 at 6:04 PM, Larry Menzel <retire@...> wrote:
> Thank you for your input, Barry. I have used those settings for a long
> time, and was unaware of the "upgrades" of the automatic changes managed by
> the firmware.
>
> I'll readjust one of my Orions and see how I like that.
>
> Larry, W0PR
>
> On Tue, Jan 17, 2012 at 11:45 AM, Barry N1EU <barry.n1eu@...> wrote:
>
>> **
>>
>>
>> I will keep saying this until I'm blue in the face. What I am saying has
>> been confirmed by Ten-Tec Engineering.
>>
>> Set the Threshold setting low (1uV), and leave it there. The threshold is
>> automatically changed and managed by the firmware when you lower the RF
>> Gain setting.
>>
>> If you want to play with Threshold, fine. But don't. It was necessary
>> back in 2004 with early v1 firmware. But then AGC and RF Gain were
>> integrated in the later v1 versions and all that Threshold twiddling was
>> instantly obsolete.
>>
>> Don't touch Threshold - use RF Gain.
>>
>> The cult of magic AGC settings is alluring but won't help your Orion
>> performance. High AF Gain, low RF Gain is ALL you need to do.
>>
>> 73, Barry N1EU
>>

>> On Tue, Jan 17, 2012 at 5:26 PM, Paul DeWitte <k9ot@...> wrote:
>>
>> > **
>> >
>> >
>> > Thanks Larry I will try those settings. My hearing is also not what it
>> > used
>> > to be.
>> >
>> > So will give it a try.
>> >
>> > 73, & Thanks
>> >
>> > Paul K9OT
>>
>> >
>> >
>> > ----- Original Message -----
>> > From: "Larry Menzel" <retire@...>
>> > To: <orion565@yahoogroups.com>
>> > Sent: Tuesday, January 17, 2012 11:18 AM
>> > Subject: Re: [orion565] Orion RCV settings
>> >
>> > > Good morning, Paul.
>> > >
>> > > IMO, the default AGC settings are not very dynamic, nor do they show
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>> > > the receiver's marvelous abilities. In MENU | Receiver you can set
>> > > different parameters for each AGC position. Here are the settings I
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>> > > Keep in mind that my hearing has deteriorated over the years and I like
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>> > > Slow
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>> > > Fast
>> > > Hang: .2 seconds

>> > > Decay: 80dB/s
>> > > Threshold: 1.4uV (about S2.5 on the meter)
>> > >
>> > > Program
>> > > Hang: .1 second
>> > > Decay: 200dB/sec or faster to "taste" (about S2 on the meter)
>> > >
>> > > I set the AGC Slope to 2:10 dB.
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>> > > I use slow AGC when condx are good and on SSB and then work down as
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>> > > With thanks to Lee, WA3FIY.
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7438. Re: [orion565] Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 19:42:41 UTC
From: Barry N1EU
Topic: 7419 Message: 7438

One thing to notice on the recording - as Larry mentioned previously,
there's a wide dynamic range in the audio. Strong signals are louder
and weak signals are fainter. The goal is to minimize AGC action,
using it only to protect your ear drums on the strongest of signals.

If instead you opted to turn up RF Gain and turn down AF Gain, there
would be a narrow dynamic range in the audio with all signals being
similar loudness levels. AGC would be constantly working and you
would hear the band noise pumping up every time a stronger signal went
silent. Also, when there were several stations transmitting at once,
the audio would tend to blur together making it difficult to read
individual signals. That's exactly what you don't hear in the
recording.

Barry N1EU

On Tue, Jan 17, 2012 at 7:02 PM, Barry N1EU <barry.n1eu@...> wrote:
> Have a listen to what my Orion sounds like with the gain/AGC set as
> I've described previously:
>
> http://n1eu.com/mp3/ve3axw.mp3
>
> I made this recording yesterday - VE3AXW on 40M LSB working some
> weaker European stations. Please listen with headphones since it's a
> stereo diversity recording. The left channel is the main rx and 40M
> dipole; the right channel is the subrx with 580ft Beverage toward
> Europe.
>
> Barry N1EU
>
> On Tue, Jan 17, 2012 at 6:04 PM, Larry Menzel <retire@...> wrote:
>> Thank you for your input, Barry. I have used those settings for a long
>> time, and was unaware of the "upgrades" of the automatic changes managed by
>> the firmware.
>>
>> I'll readjust one of my Orions and see how I like that.
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>> Larry, W0PR
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>> On Tue, Jan 17, 2012 at 11:45 AM, Barry N1EU <barry.n1eu@...> wrote:
>>
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>>> I will keep saying this until I'm blue in the face. What I am saying has
>>> been confirmed by Ten-Tec Engineering.

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>>> Set the Threshold setting low (1uV), and leave it there. The threshold is
>>> automatically changed and managed by the firmware when you lower the RF
>>> Gain setting.
>>>
>>> If you want to play with Threshold, fine. But don't. It was necessary
>>> back in 2004 with early v1 firmware. But then AGC and RF Gain were
>>> integrated in the later v1 versions and all that Threshold twiddling was
>>> instantly obsolete.
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>>> Don't touch Threshold - use RF Gain.
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>>> The cult of magic AGC settings is alluring but won't help your Orion
>>> performance. High AF Gain, low RF Gain is ALL you need to do.
>>>
>>> 73, Barry N1EU
>>>
>>> On Tue, Jan 17, 2012 at 5:26 PM, Paul DeWitte <k9ot@yousq.net> wrote:
>>>
>>> > **
>>> >
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>>> > Thanks Larry I will try those settings. My hearing is also not what it
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>>> > to be.
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>>> > So will give it a try.
>>> >
>>> > 73, & Thanks
>>> >
>>> > Paul K9OT
>>>
>>> >
>>> >
>>> > ----- Original Message -----
>>> > From: "Larry Menzel" <retire@...>
>>> > To: <orion565@yahoogroups.com>
>>> > Sent: Tuesday, January 17, 2012 11:18 AM
>>> > Subject: Re: [orion565] Orion RCV settings
>>> >
>>> > > Good morning, Paul.
>>> > >
>>> > > IMO, the default AGC settings are not very dynamic, nor do they show
>>> off
>>> > > the receiver's marvelous abilities. In MENU | Receiver you can set
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>>> > > Keep in mind that my hearing has deteriorated over the years and I like
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>>> > > Larry, W0PR
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>>> > > On Mon, Jan 16, 2012 at 10:33 PM, Paul DeWitte <k9ot@...> wrote:
>>> > >
>>> > >> I am runnibg V2064X11, mostly chasing DX on the low bands.
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>>> > >> Do you use NR? I find that if I use NR I have to turn up the RF Gain
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7439. Re: [orion565] Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 20:40:25 UTC
From: Larry Menzel
Topic: 7419 Message: 7439

Barry,

Do you have it set for 1uV in all the AGC settings? How do you go about setting your threshold at that level?

Larry

On Tue, Jan 17, 2012 at 1:02 PM, Barry N1EU <barry.n1eu@...> wrote:

> **
>
>
> Have a listen to what my Orion sounds like with the gain/AGC set as
> I've described previously:
>
> http://n1eu.com/mp3/ve3axw.mp3
>
> I made this recording yesterday - VE3AXW on 40M LSB working some
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> > Thank you for your input, Barry. I have used those settings for a long
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> > I'll readjust one of my Orions and see how I like that.
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> > On Tue, Jan 17, 2012 at 11:45 AM, Barry N1EU <barry.n1eu@...>
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> >> Set the Threshold setting low (1uV), and leave it there. The threshold
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> >> Don't touch Threshold - use RF Gain.
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> >> The cult of magic AGC settings is alluring but won't help your Orion
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> >> 73, Barry N1EU
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> >> On Tue, Jan 17, 2012 at 5:26 PM, Paul DeWitte <k9ot@...> wrote:
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> >> > Thanks Larry I will try those settings. My hearing is also not what it
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> >> > 73, & Thanks
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> >> > Paul K9OT
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> >> > ----- Original Message -----
> >> > From: "Larry Menzel" <retire@...>
> >> > To: <orion565@yahoogroups.com>
> >> > Sent: Tuesday, January 17, 2012 11:18 AM
> >> > Subject: Re: [orion565] Orion RCV settings
> >> >
> >> > > Good morning, Paul.
> >> > >
> >> > > IMO, the default AGC settings are not very dynamic, nor do they show
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> >> > > the receiver's marvelous abilities. In MENU | Receiver you can set
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> >> > > Slow
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> >> > > Decay: 10 dB/s
> >> > > Threshold: 11 uV (About S6 on the meter)
> >> > >
> >> > > Medium
> >> > > Hang: .5 seconds
> >> > > Decay: 20dB/s
> >> > > Threshold: 5uV (about S5 on the meter)
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> >> > > Fast
> >> > > Hang: .2 seconds
> >> > > Decay: 80dB/s
> >> > > Threshold: 1.4uV (about S2.5 on the meter)
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> >> > > Program
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> >> > > Decay: 200dB/sec or faster to "taste" (about S2 on the meter)
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> >> > > conditions get worse. Having the THRESHOLD available in the AGC
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> >> > > With thanks to Lee, WA3FIY.
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> >> > > Larry, W0PR
> >> > > Northfield, MN
> >> > >
> >> > >

> >> > > On Mon, Jan 16, 2012 at 10:33 PM, Paul DeWitte <k9ot@...>
> wrote:
> >> > >
> >> > >> I am runnibg V2064X11, mostly chasing DX on the low bands.
> >> > >> Just wondering what others are using for RCV settings.
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> >> > >> Do you use NR? I find that if I use NR I have to turn up the RF
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> >> off.
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> >> > >> Any comments appreciated,and will the new V3 firmware be better?
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> >> > >> Thanks, 73
> >> > >> Paul K9OT
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7440. Re: [orion565] Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-17 21:25:50 UTC
From: Barry N1EU
Topic: 7419 Message: 7440

On Tue, Jan 17, 2012 at 8:40 PM, Larry Menzel <retire@...> wrote:

> Do you have it set for 1uV in all the AGC settings?

Yes

> How do you go about setting your threshold at that level?

Not sure I understand the question Larry. Just go into Menu - RX and scroll down to Threshold and set it. Like I said before, the Orion firmware will internally raise the Threshold value whenever you lower RF Gain from 100.

Barry N1EU

7441. Re: [orion565] Re: Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-18 08:09:28 UTC
From: Tony Lelieveld
Topic: 7419 Message: 7441

Hi all,

On my way back to Canada from Florida early January, I stopped in at TenTec and had a nice chat with John Henry. He explained to me the various changes in version 3. It sounds very impressive and I am looking forward to its release.

BTW I very seldom use the preamp on my Orion-II as I find that on very strong signals, even with the RF gain turned way down, the audio gets distorted at times. This is with no NR and/or NB switched in. I usually have my RF gain setting at around 60 and use more or less depending on band conditions. I've set the threshold so that it, with no antenna attached, hovers around S2 to S3 and I find this quite accommodating.

73, Tony VE3DWI/K8DWI

----- Original Message -----
From: Barry N1EU
To: orion565@yahoogroups.com
Sent: Tuesday, January 17, 2012 7:16 AM
Subject: Re: [orion565] Re: Orion RCV settings

A few comments:

- I wouldn't bother with changing firmware versions at this point - just continue to use whatever is currently installed in your Orion and wait for v3 to be available soon

- Onno gave good advice previously. I would describe it as follows:

[Non-text portions of this message have been removed]

7442. Re: [orion565] Re: Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-18 10:06:21 UTC
From: Barry N1EU
Topic: 7419 Message: 7442

On Wed, Jan 18, 2012 at 8:09 AM, Tony Lelieveld <va3dwi@...> wrote:

>
> BTW I very seldom use the preamp on my Orion-II as I find that on very
> strong signals, even with the RF gain turned way down, the audio gets
> distorted at times.
>

I believe this is due to gain distribution issues with the v2 firmware (it's not hardware IMD). Hopefully this distortion won't occur with v3 firmware.

Barry N1EU

[Non-text portions of this message have been removed]

7443. RE: [orion565] Re: Orionnew version

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-18 12:44:42 UTC
From: George
Topic: 7443 Message: 7443

Has TT posted the changes in Version 3?

George W2YJ

.

<http://geo.yahoo.com/serv?s=97359714/grpId=11152076/grpspId=1705063108/msgId=7441/stime=1326874179/nc1=4836045/nc2=5028928/nc3=4025321>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1901 / Virus Database: 2109/4749 - Release Date: 01/17/12

[Non-text portions of this message have been removed]

7444. Re: Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-18 12:54:04 UTC
From: Rolf Krogstad
Topic: 7419 Message: 7444

Larry,
What do you set your Threshold to for PROGammable?
And do you use the same settings on the sub receiver or something different?

Rolf NR0T

==========
>Posted by: "Larry Menzel" retire@... <retire@...?Subject=+Re%3A%20Orion%20RCV%20settings>
larry_4235 <http://profiles.yahoo.com/larry_4235>>Tue Jan 17, 2012
9:18 am (PST)>Re: Orion RCV settings
>Good morning, Paul.
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>IMO, the default AGC settings are not very dynamic, nor do they show off
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>different parameters for each AGC position. Here are the settings I use.
>Keep in mind that my hearing has deteriorated over the years and I like to
>see a fairly dynamic difference between AGC positions. So try these and
>see how you like them, and then you can tweak them from here. Begin by
>turning the RF gain to 100. Watch the S meter when adjusting the Threshold
>setting. Turn the RF gain back to about 70 when settings are completed.

>Slow
>Hang: 1 second
>Decay: 10 dB/s
>Threshold: 11 uV (About S6 on the meter)

>Medium
>Hang: .5 seconds
>Decay: 20dB/s
>Threshold: 5uV (about S5 on the meter)

>Fast
>Hang: .2 seconds
>Decay: 80dB/s
>Threshold: 1.4uV (about S2.5 on the meter)

>Program
>Hang: .1 second
>Decay: 200dB/sec or faster to "taste" (about S2 on the meter)

>I set the AGC Slope to 2:10 dB.

>I use slow AGC when condx are good and on SSB and then work down as
>conditions get worse. Having the THRESHOLD available in the AGC settings
>makes it very convenient to quickly set the best performance for any
>conditions. You an still use the RF Gain to reduce more if desired.

>There is no one "right" setting with Orion. But this adjustable AGC is one
>of the best features of the Orion receiver in my opinion.

>With these greatly different threshold settings, I believe you'll
>appreciate this feature.

>With thanks to Lee, WA3FIY.

>Larry, W0PR
>Northfield, MN

>On Mon, Jan 16, 2012 at 10:33 PM, Paul DeWitte <k9ot@...> wrote:

> I am runnibg V2064X11, mostly chasing DX on the low bands.
> Just wondering what others are using for RCV settings.
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> Do you use NR? I find that if I use NR I have to turn up the RF Gain quite
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> Also what AGC setting. I find no difference in slow,fast, PROG, and off.
> Maybe not trying one setting for long enough to tell a difference.
>
> Any comments appreciated,**and will the new V3 firmware be better?
>
> Thanks, 73
> Paul K9OT
>
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>
>
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>

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7445. Re: [orion565] Re: Orionnew version

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-18 13:15:38 UTC
From: K Van Horn
Topic: 7443 Message: 7445

Hi George,
Not yet, the beta testers are still giving it a wringing out. It has a lot of improvements and it is well worth the wait!! I love the work that has been done!!
73 es Gud DX,
Kirby, K7EC

From: George
Sent: Wednesday, January 18, 2012 05:44
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: Orionnew version

Has TT posted the changes in Version 3?

George W2YJ

.

<http://geo.yahoo.com/serv?s=97359714/grpId=11152076/grpspId=1705063108/msgId=7441/stime=1326874179/nc1=4836045/nc2=5028928/nc3=4025321>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1901 / Virus Database: 2109/4749 - Release Date: 01/17/12

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7446. Re: [orion565] Re: Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-18 14:46:18 UTC
From: Larry Menzel
Topic: 7419 Message: 7446

Hi, Rolf,

Well, I've always set my Threshold in PROG for .75 to 1uV. My question to Barry was how to set threshold in the other AGC modes.

Larry, W0PR

On Wed, Jan 18, 2012 at 6:54 AM, Rolf Krogstad <rolf.krogstad@...m>wrote:

> **
>
>
> Larry,
> What do you set your Threshold to for PROGammable?
> And do you use the same settings on the sub receiver or something
> different?
>
> Rolf NR0T
>
> ==========
> >Posted by: "Larry Menzel" retire@...t <retire@...
> ?Subject=+Re%3A%20Orion%20RCV%20settings>
> larry_4235 <http://profiles.yahoo.com/larry_4235>>Tue Jan 17, 2012
> 9:18 am (PST)>Re: Orion RCV settings
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> >Good morning, Paul.
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> >IMO, the default AGC settings are not very dynamic, nor do they show off
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> >Keep in mind that my hearing has deteriorated over the years and I like to
> >see a fairly dynamic difference between AGC positions. So try these and
> >see how you like them, and then you can tweak them from here. Begin by
> >turning the RF gain to 100. Watch the S meter when adjusting the Threshold
> >setting. Turn the RF gain back to about 70 when settings are completed.
>
> >Slow
> >Hang: 1 second
> >Decay: 10 dB/s
> >Threshold: 11 uV (About S6 on the meter)
>
> >Medium
> >Hang: .5 seconds
> >Decay: 20dB/s
> >Threshold: 5uV (about S5 on the meter)
>

> >Fast
> >Hang: .2 seconds
> >Decay: 80dB/s
> >Threshold: 1.4uV (about S2.5 on the meter)
>
> >Program
> >Hang: .1 second
> >Decay: 200dB/sec or faster to "taste" (about S2 on the meter)
>
> >I set the AGC Slope to 2:10 dB.
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> >I use slow AGC when condx are good and on SSB and then work down as
> >conditions get worse. Having the THRESHOLD available in the AGC settings
> >makes it very convenient to quickly set the best performance for any
> >conditions. You an still use the RF Gain to reduce more if desired.
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> >There is no one "right" setting with Orion. But this adjustable AGC is one
> >of the best features of the Orion receiver in my opinion.
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> >With these greatly different threshold settings, I believe you'll
> >appreciate this feature.
>
> >With thanks to Lee, WA3FIY.
>
> >Larry, W0PR
> >Northfield, MN
>
> >On Mon, Jan 16, 2012 at 10:33 PM, Paul DeWitte <k9ot@yousq.net> wrote:
>
> > I am runnibg V2064X11, mostly chasing DX on the low bands.
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> > Do you use NR? I find that if I use NR I have to turn up the RF Gain
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> > Also what AGC setting. I find no difference in slow,fast, PROG, and off.
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> > Any comments appreciated,**and will the new V3 firmware be better?
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> > Thanks, 73
> > Paul K9OT
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7447. Re: [orion565] Re: Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-18 14:52:49 UTC
From: Barry N1EU
Topic: 7419 Message: 7447

Oh, now I understand the question. Simply select the other AGC mode
before going into the Menu-RX

Barry N1EU

On Wed, Jan 18, 2012 at 2:46 PM, Larry Menzel <retire@...> wrote:
> Hi, Rolf,
>
> Well, I've always set my Threshold in PROG for .75 to 1uV. My question to
> Barry was how to set threshold in the other AGC modes.
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> Larry, W0PR
>
> On Wed, Jan 18, 2012 at 6:54 AM, Rolf Krogstad <rolf.krogstad@...>wrote:
>
>> **
>>
>>
>> Larry,
>> What do you set your Threshold to for PROGammable?
>> And do you use the same settings on the sub receiver or something
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>> Rolf NR0T
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>> >Posted by: "Larry Menzel" retire@... <retire@...
>> ?Subject=+Re%3A%20Orion%20RCV%20settings>
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>> >Slow
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7448. Re: [orion565] Re: Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-18 14:53:44 UTC
From: Barry N1EU
Topic: 7419 Message: 7448

You can only modify the settings of the AGC mode that is in play prior
to bringing up the Menu.

On Wed, Jan 18, 2012 at 2:52 PM, Barry N1EU <barry.n1eu@...> wrote:
> Oh, now I understand the question. Simply select the other AGC mode
> before going into the Menu-RX
>
> Barry N1EU
>
> On Wed, Jan 18, 2012 at 2:46 PM, Larry Menzel <retire@...> wrote:
>> Hi, Rolf,
>>
>> Well, I've always set my Threshold in PROG for .75 to 1uV. My question to
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>> Larry, W0PR
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>>> >Decay: 10 dB/s
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>>> >Medium
>>> >Hang: .5 seconds
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>>> >Hang: .2 seconds
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>>> >I set the AGC Slope to 2:10 dB.
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>> Yahoo! Groups Links
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7449. Re: [orion565] Re: Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-18 16:19:19 UTC
From: Larry Menzel
Topic: 7419 Message: 7449

Of course you do, but, what I'm asking is if you set the threshold in SLOW, MED, and FAST all for 1uV?

Larry

On Wed, Jan 18, 2012 at 8:52 AM, Barry N1EU <barry.n1eu@...> wrote:

> **
>
>
> Oh, now I understand the question. Simply select the other AGC mode
> before going into the Menu-RX
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> Barry N1EU
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> >> Larry,
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> >> >conditions. You an still use the RF Gain to reduce more if desired.
> >>
> >> >There is no one "right" setting with Orion. But this adjustable AGC is
> one
> >> >of the best features of the Orion receiver in my opinion.
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> >> >With these greatly different threshold settings, I believe you'll
> >> >appreciate this feature.
> >>
> >> >With thanks to Lee, WA3FIY.
> >>

> >> >Larry, W0PR
> >> >Northfield, MN
> >>
> >> >On Mon, Jan 16, 2012 at 10:33 PM, Paul DeWitte <k9ot@...> wrote:
> >>
> >> > I am runnibg V2064X11, mostly chasing DX on the low bands.
> >> > Just wondering what others are using for RCV settings.
> >> >
> >> > Do you use NR? I find that if I use NR I have to turn up the RF Gain
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> >> > a
> >> > bit just to hear and then noise is back where I started.
> >> >
> >> >
> >> > Also what AGC setting. I find no difference in slow,fast, PROG, and
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> >> >
> >> > Any comments appreciated,**and will the new V3 firmware be better?
> >> >
> >> > Thanks, 73
> >> > Paul K9OT
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7450. Re: [orion565] Re: Orion RCV settings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-18 16:34:05 UTC
From: Barry N1EU
Topic: 7419 Message: 7450

Yes

On Wed, Jan 18, 2012 at 4:19 PM, Larry Menzel <retire@...> wrote:
> Of course you do, but, what I'm asking is if you set the threshold in SLOW,
> MED, and FAST all for 1uV?
>
> Larry
>
> On Wed, Jan 18, 2012 at 8:52 AM, Barry N1EU <barry.n1eu@...> wrote:
>
>> **
>>
>>
>> Oh, now I understand the question. Simply select the other AGC mode
>> before going into the Menu-RX
>>
>> Barry N1EU
>>
>>
>> On Wed, Jan 18, 2012 at 2:46 PM, Larry Menzel <retire@...> wrote:
>> > Hi, Rolf,
>> >
>> > Well, I've always set my Threshold in PROG for .75 to 1uV. My question
>> to
>> > Barry was how to set threshold in the other AGC modes.
>> >
>> > Larry, W0PR
>> >
>> > On Wed, Jan 18, 2012 at 6:54 AM, Rolf Krogstad <rolf.krogstad@gmail.com
>> >wrote:
>> >
>> >> **
>>
>> >>
>> >>
>> >> Larry,
>> >> What do you set your Threshold to for PROGammable?
>> >> And do you use the same settings on the sub receiver or something
>> >> different?
>> >>
>> >> Rolf NR0T
>> >>
>> >> ==
>> >> >Posted by: "Larry Menzel" retire@... <retire@...
>> >> ?Subject=+Re%3A%20Orion%20RCV%20settings>

>> >> larry_4235 <http://profiles.yahoo.com/larry_4235>>Tue Jan 17, 2012
>> >> 9:18 am (PST)>Re: Orion RCV settings
>> >>
>> >> >Good morning, Paul.
>> >> >
>> >> >IMO, the default AGC settings are not very dynamic, nor do they show
>> off
>> >> >the receiver's marvelous abilities. In MENU | Receiver you can set
>> >> >different parameters for each AGC position. Here are the settings I
>> use.
>> >> >Keep in mind that my hearing has deteriorated over the years and I
>> like to
>> >> >see a fairly dynamic difference between AGC positions. So try these and
>> >> >see how you like them, and then you can tweak them from here. Begin by
>> >> >turning the RF gain to 100. Watch the S meter when adjusting the
>> Threshold
>> >> >setting. Turn the RF gain back to about 70 when settings are completed.
>> >>
>> >> >Slow
>> >> >Hang: 1 second
>> >> >Decay: 10 dB/s
>> >> >Threshold: 11 uV (About S6 on the meter)
>> >>
>> >> >Medium
>> >> >Hang: .5 seconds
>> >> >Decay: 20dB/s
>> >> >Threshold: 5uV (about S5 on the meter)
>> >>
>> >> >Fast
>> >> >Hang: .2 seconds
>> >> >Decay: 80dB/s
>> >> >Threshold: 1.4uV (about S2.5 on the meter)
>> >>
>> >> >Program
>> >> >Hang: .1 second
>> >> >Decay: 200dB/sec or faster to "taste" (about S2 on the meter)
>> >>
>> >> >I set the AGC Slope to 2:10 dB.
>> >>
>> >> >I use slow AGC when condx are good and on SSB and then work down as
>> >> >conditions get worse. Having the THRESHOLD available in the AGC
>> settings
>> >> >makes it very convenient to quickly set the best performance for any
>> >> >conditions. You an still use the RF Gain to reduce more if desired.
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>> >> >There is no one "right" setting with Orion. But this adjustable AGC is
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>> >> >With these greatly different threshold settings, I believe you'll

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>> >> >With thanks to Lee, WA3FIY.
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>> >> >Larry, W0PR
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>> >> >On Mon, Jan 16, 2012 at 10:33 PM, Paul DeWitte <k9ot@yousq.net> wrote:
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>> >> > ------------**----------**----------**------
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> [Non-text portions of this message have been removed]
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7451. help orion 566 setting

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-19 08:00:21 UTC
From: Jacques Paoli
Topic: 7419 Message: 7451

Please, what is the setting for orio ii 566
thank

jacques
tk1lg

Le 18 janv. 12 ? 15:52, Barry N1EU a ?crit :

> Oh, now I understand the question. Simply select the other AGC mode
> before going into the Menu-RX
>
> Barry N1EU
>
> On Wed, Jan 18, 2012 at 2:46 PM, Larry Menzel <retire@...t>
> wrote:
> > Hi, Rolf,
> >
> > Well, I've always set my Threshold in PROG for .75 to 1uV. My
> question to
> > Barry was how to set threshold in the other AGC modes.
> >
> > Larry, W0PR
> >
> > On Wed, Jan 18, 2012 at 6:54 AM, Rolf Krogstad <rolf.krogstad@...
> >wrote:
> >
> >> **
> >>
> >>
> >> Larry,
> >> What do you set your Threshold to for PROGammable?
> >> And do you use the same settings on the sub receiver or something
> >> different?
> >>
> >> Rolf NR0T
> >>
> >> ==========
> >> >Posted by: "Larry Menzel" retire@... <retire@...
> >> ?Subject=+Re%3A%20Orion%20RCV%20settings>
> >> larry_4235 <http://profiles.yahoo.com/larry_4235>>Tue Jan 17, 2012
> >> 9:18 am (PST)>Re: Orion RCV settings
> >>
> >> >Good morning, Paul.
> >> >
> >> >IMO, the default AGC settings are not very dynamic, nor do they
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> >> >the receiver's marvelous abilities. In MENU | Receiver you can set
> >> >different parameters for each AGC position. Here are the
> settings I use.
> >> >Keep in mind that my hearing has deteriorated over the years and
> I like to
> >> >see a fairly dynamic difference between AGC positions. So try
> these and
> >> >see how you like them, and then you can tweak them from here.
> Begin by
> >> >turning the RF gain to 100. Watch the S meter when adjusting the
> Threshold
> >> >setting. Turn the RF gain back to about 70 when settings are
> completed.
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> >> >Slow
> >> >Hang: 1 second
> >> >Decay: 10 dB/s
> >> >Threshold: 11 uV (About S6 on the meter)
> >>
> >> >Medium
> >> >Hang: .5 seconds
> >> >Decay: 20dB/s
> >> >Threshold: 5uV (about S5 on the meter)
> >>
> >> >Fast
> >> >Hang: .2 seconds
> >> >Decay: 80dB/s
> >> >Threshold: 1.4uV (about S2.5 on the meter)
> >>
> >> >Program
> >> >Hang: .1 second
> >> >Decay: 200dB/sec or faster to "taste" (about S2 on the meter)
> >>
> >> >I set the AGC Slope to 2:10 dB.
> >>
> >> >I use slow AGC when condx are good and on SSB and then work down
> as
> >> >conditions get worse. Having the THRESHOLD available in the AGC
> settings
> >> >makes it very convenient to quickly set the best performance for
> any
> >> >conditions. You an still use the RF Gain to reduce more if
> desired.
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> >> >There is no one "right" setting with Orion. But this adjustable
> AGC is one
> >> >of the best features of the Orion receiver in my opinion.
> >>
> >> >With these greatly different threshold settings, I believe you'll
> >> >appreciate this feature.

> >>
> >> >With thanks to Lee, WA3FIY.
> >>
> >> >Larry, W0PR
> >> >Northfield, MN
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> >> >On Mon, Jan 16, 2012 at 10:33 PM, Paul DeWitte <k9ot@yousq.net>
> wrote:
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> and off.
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7452. Re: [orion565] help orion 566 setting

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-19 08:08:31 UTC
From: Jacques Paoli
Topic: 7419 Message: 7452

> Please, what is the setting for orion ii 566
> thank
Scuse me: setting AGC
thank
jacques

tk1lg
Le 19 janv. 12 à 09:00, Jacques Paoli a écrit :

> Please, what is the setting for orio ii 566
> thank
>
> jacques
> tk1lg
>
>
> Le 18 janv. 12 à 15:52, Barry N1EU a écrit :
>
>> Oh, now I understand the question. Simply select the other AGC mode
>> before going into the Menu-RX
>>
>> Barry N1EU
>>
>> On Wed, Jan 18, 2012 at 2:46 PM, Larry Menzel <retire@...>
>> wrote:
>>> Hi, Rolf,
>>>
>>> Well, I've always set my Threshold in PROG for .75 to 1uV. My
>> question to
>>> Barry was how to set threshold in the other AGC modes.
>>>
>>> Larry, W0PR
>>>
>>> On Wed, Jan 18, 2012 at 6:54 AM, Rolf Krogstad <rolf.krogstad@...
>>> wrote:
>>>
>>>> **
>>>>
>>>>
>>>> Larry,
>>>> What do you set your Threshold to for PROGammable?
>>>> And do you use the same settings on the sub receiver or something
>>>> different?
>>>>
>>>> Rolf NR0T

>>>>
>>>> ==========
>>>>> Posted by: "Larry Menzel" retire@... <retire@...
>>>> ?Subject=+Re%3A%20Orion%20RCV%20settings>
>>>> larry_4235 <http://profiles.yahoo.com/larry_4235>>Tue Jan 17, 2012
>>>> 9:18 am (PST)>Re: Orion RCV settings
>>>>
>>>>> Good morning, Paul.
>>>>>
>>>>> IMO, the default AGC settings are not very dynamic, nor do they
>> show off
>>>>> the receiver's marvelous abilities. In MENU | Receiver you can set
>>>>> different parameters for each AGC position. Here are the
>> settings I use.
>>>>> Keep in mind that my hearing has deteriorated over the years and
>> I like to
>>>>> see a fairly dynamic difference between AGC positions. So try
>> these and
>>>>> see how you like them, and then you can tweak them from here.
>> Begin by
>>>>> turning the RF gain to 100. Watch the S meter when adjusting the
>> Threshold
>>>>> setting. Turn the RF gain back to about 70 when settings are
>> completed.
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>>>>> Slow
>>>>> Hang: 1 second
>>>>> Decay: 10 dB/s
>>>>> Threshold: 11 uV (About S6 on the meter)
>>>>
>>>>> Medium
>>>>> Hang: .5 seconds
>>>>> Decay: 20dB/s
>>>>> Threshold: 5uV (about S5 on the meter)
>>>>
>>>>> Fast
>>>>> Hang: .2 seconds
>>>>> Decay: 80dB/s
>>>>> Threshold: 1.4uV (about S2.5 on the meter)
>>>>
>>>>> Program
>>>>> Hang: .1 second
>>>>> Decay: 200dB/sec or faster to "taste" (about S2 on the meter)
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>>>>> I set the AGC Slope to 2:10 dB.
>>>>
>>>>> I use slow AGC when condx are good and on SSB and then work down
>> as
>>>>> conditions get worse. Having the THRESHOLD available in the AGC
>> settings

>>>>> makes it very convenient to quickly set the best performance for
>> any
>>>>> conditions. You an still use the RF Gain to reduce more if
>> desired.
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>>>>> There is no one "right" setting with Orion. But this adjustable
>> AGC is one
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>>>>
>>>>> With these greatly different threshold settings, I believe you'll
>>>>> appreciate this feature.
>>>>
>>>>> With thanks to Lee, WA3FIY.
>>>>
>>>>> Larry, W0PR
>>>>> Northfield, MN
>>>>
>>>>> On Mon, Jan 16, 2012 at 10:33 PM, Paul DeWitte <k9ot@...>
>> wrote:
>>>>
>>>>> I am runnibg V2064X11, mostly chasing DX on the low bands.
>>>>> Just wondering what others are using for RCV settings.
>>>>>
>>>>> Do you use NR? I find that if I use NR I have to turn up the RF
>> Gain
>>>> quite
>>>>> a
>>>>> bit just to hear and then noise is back where I started.
>>>>>
>>>>>
>>>>> Also what AGC setting. I find no difference in slow,fast, PROG,
>> and off.
>>>>> Maybe not trying one setting for long enough to tell a
>> difference.
>>>>>
>>>>> Any comments appreciated,**and will the new V3 firmware be
>> better?
>>>>>
>>>>> Thanks, 73
>>>>> Paul K9OT
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7454. OT: backup and restore

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-19 16:10:50 UTC
From: pa1ap
Topic: 7454 Message: 7454

Prior installation pleae uninstall previous version.

Fixed a couple of issues;

1) after a backup config the program now recovers main and sub AGC mode. It did not do that in previous versions

2) after backup memory the program now recovers pre frequency and mode for sub receiver. It did not do that in previous versions

3) there is a new selector which rotates between translate, request, response and req - res mode... This allows you to see communication taking place between program and orion...

I verified the program and it does do the job correctly. Got feedback from two users they were unable to get it to work.. I don't know why...

The commands send to orion always obey CTS and include scheduled departure through a queue mechanism. This way the orion is not bombarded with commands in one big burst. Learned that orion 565 does not like frequency to be changed (vfo A) while performing serial communication... something to consider while performing backup.

Program checks on; CTS, time interval, error conditions including K etc.

Hope this helps. In case you find issues let me know.

regards, Onno

7455. Re: [orion565] OT: backup and restore

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-19 16:35:25 UTC
From: John Huffman
Topic: 7454 Message: 7455

Onno -

BR V2120 works great. It installs fine *IF* any other VB6 applications
are not running. The progress bar shows only 88% when the program
completes a backup.

I assume you can't back up H/W MIC Gain since there is not a serial
command for it.

73 de k1ESE
John

On 1/19/2012 11:10 AM, pa1ap wrote:
>
> Prior installation pleae uninstall previous version.
>
> Fixed a couple of issues;
>
> 1) after a backup config the program now recovers main and sub AGC
> mode. It did not do that in previous versions
>
> 2) after backup memory the program now recovers pre frequency and mode
> for sub receiver. It did not do that in previous versions
>
> 3) there is a new selector which rotates between translate, request,
> response and req - res mode... This allows you to see communication
> taking place between program and orion...
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> I verified the program and it does do the job correctly. Got feedback
> from two users they were unable to get it to work.. I don't know why...
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> not like frequency to be changed (vfo A) while performing serial
> communication... something to consider while performing backup.
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> Program checks on; CTS, time interval, error conditions including K etc.
>
> Hope this helps. In case you find issues let me know.
>
> regards, Onno
>
>

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7456. Orion II and Model 712

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-19 16:58:57 UTC
From: jevacuum
Topic: 7456 Message: 7456

I have too much audio out on RX even with Line Out selected to Low and computer (Wave In) set to min.

Do not have enough audio out on TX even with Aux Input Gain set to 100.

This is using EasyPal software but also have the same problem with HRD + DM 780.

Have been using the internal soundcard of the computer with homemade cables with isolation xfmrs and a 3 db resistor dropping pad in the RX cable with sat. results.

The computer is a Dell 8300 using Windows XP.

Any ideas? Eric K9NP

7457. Re: OT: backup and restore

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-19 18:06:54 UTC
From: pa1ap
Topic: 7454 Message: 7457

Will fix the progressbar in next release. I know what causes it. Thanks for feedback and good to know about the installation condition. Thanks and regards, Onno

--- In orion565@yahoogroups.com, John Huffman <hjohnc@...> wrote:
>
> Onno -
>
> BR V2120 works great. It installs fine *IF* any other VB6 applications
> are not running. The progress bar shows only 88% when the program
> completes a backup.
>
> I assume you can't back up H/W MIC Gain since there is not a serial
> command for it.
>
> 73 de k1ESE
> John
>
> On 1/19/2012 11:10 AM, pa1ap wrote:
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> > Prior installation pleae uninstall previous version.
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> > Fixed a couple of issues;
> >
> > 1) after a backup config the program now recovers main and sub AGC
> > mode. It did not do that in previous versions
> >
> > 2) after backup memory the program now recovers pre frequency and mode
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> > 3) there is a new selector which rotates between translate, request,
> > response and req - res mode... This allows you to see communication
> > taking place between program and orion...
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> > I verified the program and it does do the job correctly. Got feedback
> > from two users they were unable to get it to work.. I don't know why...
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> > The commands send to orion always obey CTS and include scheduled
> > departure through a queue mechanism. This way the orion is not
> > bombarded with commands in one big burst. Learned that orion 565 does
> > not like frequency to be changed (vfo A) while performing serial
> > communication... something to consider while performing backup.
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> > Hope this helps. In case you find issues let me know.

> >
> > regards, Onno
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

7458. Re: [orion565] Orion II and Model 712

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-19 21:13:28 UTC
From: Per Bekker-Madsen
Topic: 7456 Message: 7458

Eric I am using EasyPal and HRD 5.0/DM780 & PC-ALE with no problem. But I am running directly to/from the soundcard into the transceiver. I have tried my Dell Inspiron and with the same result.

Try to remove the soundcard driver and restart the computer and let it reinstall the driver itself. With XP it often works :-)
If you can try to install Win 7, the computer is much faster and runs more stable in DM780

Knd rgds

Per OZ1EQC/OV2V

2012/1/19 jevacuum <ericjackiewick@...>

> **
>
>
> I have too much audio out on RX even with Line Out selected to Low and
> computer (Wave In) set to min.
>
> Do not have enough audio out on TX even with Aux Input Gain set to 100.
>
> This is using EasyPal software but also have the same problem with HRD +
> DM 780.
>
> Have been using the internal soundcard of the computer with homemade
> cables with isolation xfmrs and a 3 db resistor dropping pad in the RX
> cable with sat. results.
>
> The computer is a Dell 8300 using Windows XP.
>
> Any ideas? Eric K9NP
>
>
>

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7459. RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-19 21:21:37 UTC
From: John
Topic: 7459 Message: 7459

Hi Everyone,

Just to give you an update. We did make a software improvement this week that I want to ensure gets fully tested. I want to work it through it's paces on the contest this weekend. And judge on Monday AM whether the V3 firmware is ready for prime time or not.
Note: We won't ship any RX366's until we know the firmware is solid.

Best Regards,
John Henry

7460. Re: Orion II and Model 712

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-19 21:36:18 UTC
From: jevacuum
Topic: 7456 Message: 7460

Solved the too much audio on RX by changing the AGC slope from flat to 2:10 dB. Not enough audio out on TX remains. Eric K9NP

--- In orion565@yahoogroups.com, "jevacuum" <ericjackiewick@...> wrote:
>
> I have too much audio out on RX even with Line Out selected to Low and computer (Wave In) set to min.
>
> Do not have enough audio out on TX even with Aux Input Gain set to 100.
>
> This is using EasyPal software but also have the same problem with HRD + DM 780.
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>
> The computer is a Dell 8300 using Windows XP.
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> Any ideas? Eric K9NP
>

7461. Re: OT: backup and restore

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-19 21:58:15 UTC
From: pa1ap
Topic: 7454 Message: 7461

Progress bar fixed and also including "translate+" which makes it very easy to understand which menu, button or knob has been included within the backup... It also allows you to copy and paste into a word document and print the settings to keep as reference... The idea is to be able to look at the document and "recover" a value through the hint as provided by translate+... This on request of a contester.

Regards, Onno

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Will fix the progressbar in next release. I know what causes it. Thanks for feedback and good to know about the installation condition. Thanks and regards, Onno
>
> --- In orion565@yahoogroups.com, John Huffman <hjohnc@> wrote:
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> > I assume you can't back up H/W MIC Gain since there is not a serial
> > command for it.
> >
> > 73 de k1ESE
> > John
> >
> > On 1/19/2012 11:10 AM, pa1ap wrote:
> > >
> > > Prior installation pleae uninstall previous version.
> > >
> > > Fixed a couple of issues;
> > >
> > > 1) after a backup config the program now recovers main and sub AGC
> > > mode. It did not do that in previous versions
> > >
> > > 2) after backup memory the program now recovers pre frequency and mode
> > > for sub receiver. It did not do that in previous versions
> > >
> > > 3) there is a new selector which rotates between translate, request,
> > > response and req - res mode... This allows you to see communication
> > > taking place between program and orion...
> > >
> > > I verified the program and it does do the job correctly. Got feedback
> > > from two users they were unable to get it to work.. I don't know why...

> > >
> > > The commands send to orion always obey CTS and include scheduled
> > > departure through a queue mechanism. This way the orion is not
> > > bombarded with commands in one big burst. Learned that orion 565 does
> > > not like frequency to be changed (vfo A) while performing serial
> > > communication... something to consider while performing backup.
> > >
> > > Program checks on; CTS, time interval, error conditions including K etc.
> > >
> > > Hope this helps. In case you find issues let me know.
> > >
> > > regards, Onno
> > >
> > >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

7463. Re: OT: backup and restore

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-20 07:29:37 UTC
From: pa1ap
Topic: 7454 Message: 7463

Hi John,

There are some dependencies we discovered over the last couple of days which I am including / updating in the program. Ben has been of great help providing suggestions. It has to do with the sequence of (pseudo) associated commands where the backup sequence is opposite to the restore sequence. For example and to be confirmed; recovering notch center frequency requires notch to be enabled first through command line. Right now there might be a couple of commands where I missed such sequence...

Most important (and embaricing) is that I used to the wrong command (KRB instead of KWB) to restore the memory. Its already fixed for the next release but still... I should have seen this before and I simply missed it.

Best regards, Onno

--- In orion565@yahoogroups.com, John Huffman <hjohnc@...> wrote:
>
> Onno -
>
> BR V2120 works great. It installs fine *IF* any other VB6 applications
> are not running. The progress bar shows only 88% when the program
> completes a backup.
>
> I assume you can't back up H/W MIC Gain since there is not a serial
> command for it.
>
> 73 de k1ESE
> John
>
> On 1/19/2012 11:10 AM, pa1ap wrote:
> >
> > Prior installation pleae uninstall previous version.
> >
> > Fixed a couple of issues;
> >
> > 1) after a backup config the program now recovers main and sub AGC
> > mode. It did not do that in previous versions
> >
> > 2) after backup memory the program now recovers pre frequency and mode
> > for sub receiver. It did not do that in previous versions
> >
> > 3) there is a new selector which rotates between translate, request,
> > response and req - res mode... This allows you to see communication
> > taking place between program and orion...
> >
> > I verified the program and it does do the job correctly. Got feedback

> > from two users they were unable to get it to work.. I don't know why...
> >
> > The commands send to orion always obey CTS and include scheduled
> > departure through a queue mechanism. This way the orion is not
> > bombarded with commands in one big burst. Learned that orion 565 does
> > not like frequency to be changed (vfo A) while performing serial
> > communication... something to consider while performing backup.
> >
> > Program checks on; CTS, time interval, error conditions including K etc.
> >
> > Hope this helps. In case you find issues let me know.
> >
> > regards, Onno
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

7464. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-20 09:34:39 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 7464

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /BR setup V2310.zip
Uploaded by : pa1ap <pa1ap@...>
Description : BR 2310 memory restore fix & translate+ function

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/BR%20setup%20V2310.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

pa1ap <pa1ap@...>

7465. OT: Backup & restore V2310

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-20 09:41:21 UTC
From: pa1ap
Topic: 7465 Message: 7465

Hello,

PRIOR to installation;

1) uninstall the previous BR application
2) ensure no other VB programs are running (close other rig control stuff)
3) remove the Orion_backup_config v2.txt and Orion_backup_memory v2.txt files within your "my documents" folder... the format changed a little and I want to avoid issues
4) install the V2310 application

//////////////

I included the option for "a hint" for the config backup / restore window. Below an example of the output;

The hint is between brackets. You can enable it by selecting "translate+" within the BR program.

The idea is that the hint provides where you would normally find this value when using hand / eye coordination ;-)

[Main RX > AGC]
Main AGC mode Fast
[Sub RX > AGC]
Sub AGC mode Fast
[Main VFO dial]
VFO A 14250000
[Sub VFO dial]
VFO B 14035000
[Main ant matrix]
Ant1: Both Ant2: Not Rxant: Not
[TUNE]
TX Tuner Off
[Main Audio]
Binaural Receive Control Off

Furthermore the memory restore function has been fixed. Sorry about the mistake made.

There is a known challenge with the event window when performing memory restore. It does not include a reference to you which memory location is being restored during the process. I will fix that later.

regards, Onno

7468. RE: [orion565] RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-20 19:30:52 UTC
From: Andrew B. Steen
Topic: 7459 Message: 7468

Hi John.

Anything new brewing for firmware upgrade for the 566?

Thanks, and 73

Andrew K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Friday, January 20, 2012 7:34 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] RX366 and V3 firmware

Kirby, 565 or 566?

On Fri, Jan 20, 2012 at 3:14 PM, K Van Horn <k7ec@... <mailto:k7ec%40midrivers.com> >
wrote:

> **
>
>
> Hi John,
> I like the way the AGC now works overall, but I can hear a slight amount
> of clicking on voice peaks on SSB and at the end of dits and dashes in CW
> signals. Very slight, but still there if you listen. I did not listen to
> any RTTY or DATA signals.
>
> Thank you for your great attention to detail and for your dedication to
> this effort. It is improving the Orion significantly and improving its
> operator experience greatly!! It is like the radio now sparkles with
> improved displays and operation. Really cool!!!!!!
>
> Great job everyone!!! What a difference!!!!!!
>
> Best Regards,
> Kirby
>
> From: John
> Sent: Thursday, January 19, 2012 14:21
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] RX366 and V3 firmware
>
>
>
> Hi Everyone,
>
> Just to give you an update. We did make a software improvement this week
> that I want to ensure gets fully tested. I want to work it through it's

> paces on the contest this weekend. And judge on Monday AM whether the V3
> firmware is ready for prime time or not.
> Note: We won't ship any RX366's until we know the firmware is solid.
>
> Best Regards,
> John Henry
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7469. Re: [orion565] RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-20 19:35:40 UTC
From: Barry N1EU
Topic: 7459 Message: 7469

The upcoming version 3 firmware that John has mentioned will be released
for both the 565 and 566, most probably at the same time.

73,
Barry N1EU

On Fri, Jan 20, 2012 at 7:30 PM, Andrew B. Steen <n2gff@...>wrote:

> **
>
>
> Hi John.
>
> Anything new brewing for firmware upgrade for the 566?
>
> Thanks, and 73
>
> Andrew K6STN
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf Of Barry N1EU
> Sent: Friday, January 20, 2012 7:34 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] RX366 and V3 firmware
>
> Kirby, 565 or 566?
>
> On Fri, Jan 20, 2012 at 3:14 PM, K Van Horn <k7ec@... <mailto:
> k7ec%40midrivers.com> > wrote:
>
> > **
>
> >
> >
> > Hi John,
> > I like the way the AGC now works overall, but I can hear a slight amount
> > of clicking on voice peaks on SSB and at the end of dits and dashes in CW
> > signals. Very slight, but still there if you listen. I did not listen to
> > any RTTY or DATA signals.
> >
> > Thank you for your great attention to detail and for your dedication to
> > this effort. It is improving the Orion significantly and improving its
> > operator experience greatly!! It is like the radio now sparkles with
> > improved displays and operation. Really cool!!!!!!
> >
> > Great job everyone!!! What a difference!!!!!!

> >
> > Best Regards,
> > Kirby
> >
> > From: John
> > Sent: Thursday, January 19, 2012 14:21
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > Subject: [orion565] RX366 and V3 firmware
> >
> >
> > Hi Everyone,
> >
> > Just to give you an update. We did make a software improvement this week
> > that I want to ensure gets fully tested. I want to work it through it's
> > paces on the contest this weekend. And judge on Monday AM whether the V3
> > firmware is ready for prime time or not.
> > Note: We won't ship any RX366's until we know the firmware is solid.
> >
> > Best Regards,
> > John Henry
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
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>
>

[Non-text portions of this message have been removed]

7470. Re: RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-20 19:38:34 UTC
From: John
Topic: 7459 Message: 7470

Hi Andrew,

Yes, more reliability, several enhancements, new features, one will help you copy signals that you couldn't discern on previous builds or other rigs to date. Coming soon, very soon. Days away now, not weeks.

John

--- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@...> wrote:
>
> Hi John.
>
>
> Anything new brewing for firmware upgrade for the 566?
>
> Thanks, and 73
>
> Andrew K6STN
>
>
>

7471. Re: [orion565] OT: Backup & restore V2310

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-20 20:14:12 UTC
From: John Huffman
Topic: 7465 Message: 7471

Onno -

The latest Backup and Restore works great. Backing up the memories made me think... Now if I just had a utility to set the four memories for each band. Something like the computer utility used to set memories in a VHF hand held.

Thanks for your great support of the Orion.

73 de K1ESE
John

On 1/20/2012 4:41 AM, pa1ap wrote:
>
> Hello,
>
> PRIOR to installation;
>
> 1) uninstall the previous BR application
> 2) ensure no other VB programs are running (close other rig control stuff)
> 3) remove the Orion_backup_config v2.txt and Orion_backup_memory
> v2.txt files within your "my documents" folder... the format changed a
> little and I want to avoid issues
> 4) install the V2310 application
>
> ////////////
>
> I included the option for "a hint" for the config backup / restore
> window. Below an example of the output;
>
> The hint is between brackets. You can enable it by selecting
> "translate+" within the BR program.
>
> The idea is that the hint provides where you would normally find this
> value when using hand / eye coordination ;-)
>
> [Main RX > AGC]
> Main AGC mode Fast
> [Sub RX > AGC]
> Sub AGC mode Fast
> [Main VFO dial]
> VFO A 14250000
> [Sub VFO dial]
> VFO B 14035000
> [Main ant matrix]
> Ant1: Both Ant2: Not Rxant: Not

> [TUNE]
> TX Tuner Off
> [Main Audio]
> Binaural Receive Control Off
>
> Furthermore the memory restore function has been fixed. Sorry about
> the mistake made.
>
> There is a known challenge with the event window when performing
> memory restore. It does not include a reference to you which memory
> location is being restored during the process. I will fix that later.
>
> regards, Onno
>
>

[Non-text portions of this message have been removed]

7472. Re: OT: Backup & restore V2310

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-20 21:07:28 UTC
From: pa1ap
Topic: 7465 Message: 7472

Such program is in the make but it will take a couple of weeks to complete. Many projects pending right now ;-)

--- In orion565@yahoogroups.com, John Huffman <hjohnc@...> wrote:
>
> Onno -
>
> The latest Backup and Restore works great. Backing up the memories made
> me think... Now if I just had a utility to set the four memories for
> each band. Something like the computer utility used to set memories in
> a VHF hand held.
>
> Thanks for your great support of the Orion.
>
> 73 de K1ESE
> John
>
> On 1/20/2012 4:41 AM, pa1ap wrote:
> >
> > Hello,
> >
> > PRIOR to installation;
> >
> > 1) uninstall the previous BR application
> > 2) ensure no other VB programs are running (close other rig control stuff)
> > 3) remove the Orion_backup_config v2.txt and Orion_backup_memory
> > v2.txt files within your "my documents" folder... the format changed a
> > little and I want to avoid issues
> > 4) install the V2310 application
> >
> > ////////////
> >
> > I included the option for "a hint" for the config backup / restore
> > window. Below an example of the output;
> >
> > The hint is between brackets. You can enable it by selecting
> > "translate+" within the BR program.
> >
> > The idea is that the hint provides where you would normally find this
> > value when using hand / eye coordination ;-)
> >
> > [Main RX > AGC]
> > Main AGC mode Fast
> > [Sub RX > AGC]
> > Sub AGC mode Fast

> > [Main VFO dial]
> > VFO A 14250000
> > [Sub VFO dial]
> > VFO B 14035000
> > [Main ant matrix]
> > Ant1: Both Ant2: Not Rxant: Not
> > [TUNE]
> > TX Tuner Off
> > [Main Audio]
> > Binaural Receive Control Off
> >
> > Furthermore the memory restore function has been fixed. Sorry about
> > the mistake made.
> >
> > There is a known challenge with the event window when performing
> > memory restore. It does not include a reference to you which memory
> > location is being restored during the process. I will fix that later.
> >
> > regards, Onno
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

7473. Re: OT: Backup & restore V2310

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-20 21:23:17 UTC
From: John
Topic: 7465 Message: 7473

I'm extremely happy that someone is making a utility such as this for the Orion.

However, Onno is also severely handicapped in trying to make a complete backup/restore, handle 100% of the rig parameters. What I mean by this is the following. There are a lot of adjustable parameters in the Orion 565 and Orion II 566, and not all of those items are available via the CAT interface. I did make the 588 expose 100% of the rig controls adjustable, and more, via the CAT interface, but the Orion(s) are of an earlier era where what was put into CAT control was what was needed to change routinely, not the nuts/bolts underlying some things.

Anyway, This is meant as a THANK YOU to Onno, and also a caveat to others, he doesn't have all of the interfaces available to him for all of the data items. Maybe someday, but not today.

Thanks,
John Henry

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Such program is in the make but it will take a couple of weeks to complete. Many projects pending right now ;-)
>
> --- In orion565@yahoogroups.com, John Huffman <hjohnc@> wrote:
> >
> > Onno -
> >
> > The latest Backup and Restore works great. Backing up the memories made
> > me think... Now if I just had a utility to set the four memories for
> > each band. Something like the computer utility used to set memories in
> > a VHF hand held.
> >
> > Thanks for your great support of the Orion.
> >
> > 73 de K1ESE
> > John
> >
> > On 1/20/2012 4:41 AM, pa1ap wrote:
> > >
> > > Hello,
> > >
> > > PRIOR to installation;
> > >
> > > 1) uninstall the previous BR application
> > > 2) ensure no other VB programs are running (close other rig control stuff)
> > > 3) remove the Orion_backup_config v2.txt and Orion_backup_memory
> > > v2.txt files within your "my documents" folder... the format changed a

> > > little and I want to avoid issues
> > > 4) install the V2310 application
> > >
> > > //////////////
> > >
> > > I included the option for "a hint" for the config backup / restore
> > > window. Below an example of the output;
> > >
> > > The hint is between brackets. You can enable it by selecting
> > > "translate+" within the BR program.
> > >
> > > The idea is that the hint provides where you would normally find this
> > > value when using hand / eye coordination ;-)
> > >
> > > [Main RX > AGC]
> > > Main AGC mode Fast
> > > [Sub RX > AGC]
> > > Sub AGC mode Fast
> > > [Main VFO dial]
> > > VFO A 14250000
> > > [Sub VFO dial]
> > > VFO B 14035000
> > > [Main ant matrix]
> > > Ant1: Both Ant2: Not Rxant: Not
> > > [TUNE]
> > > TX Tuner Off
> > > [Main Audio]
> > > Binaural Receive Control Off
> > >
> > > Furthermore the memory restore function has been fixed. Sorry about
> > > the mistake made.
> > >
> > > There is a known challenge with the event window when performing
> > > memory restore. It does not include a reference to you which memory
> > > location is being restored during the process. I will fix that later.
> > >
> > > regards, Onno
> > >
> > >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

7474. RE: [orion565] Re: RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-21 00:31:06 UTC
From: Andrew B. Steen
Topic: 7459 Message: 7474

Thanks John for the update. I'm really looking forward to it.

73,

Andrew

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John
Sent: Friday, January 20, 2012 11:39 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: RX366 and V3 firmware

Hi Andrew,

Yes, more reliability, several enhancements, new features, one will help you copy signals that you couldn't discern on previous builds or other rigs to date. Coming soon, very soon. Days away now, not weeks.

John

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "Andrew B. Steen" <n2gff@...> wrote:
>
> Hi John.
>
>
> Anything new brewing for firmware upgrade for the 566?
>
> Thanks, and 73
>
> Andrew K6STN
>
>
>

[Non-text portions of this message have been removed]

7475. RE: [orion565] RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-21 00:31:28 UTC
From: Andrew B. Steen
Topic: 7459 Message: 7475

Thanks Barry.

Andrew

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Friday, January 20, 2012 11:36 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] RX366 and V3 firmware

The upcoming version 3 firmware that John has mentioned will be released
for both the 565 and 566, most probably at the same time.

73,
Barry N1EU

On Fri, Jan 20, 2012 at 7:30 PM, Andrew B. Steen <n2gff@sbcglobal.net
<mailto:n2gff%40sbcglobal.net> >wrote:

> **
>
>
> Hi John.
>
> Anything new brewing for firmware upgrade for the 566?
>
> Thanks, and 73
>
> Andrew K6STN
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> Behalf Of Barry N1EU
> Sent: Friday, January 20, 2012 7:34 AM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] RX366 and V3 firmware
>
> Kirby, 565 or 566?
>
> On Fri, Jan 20, 2012 at 3:14 PM, K Van Horn <k7ec@... <mailto:k7ec%40midrivers.com>
<mailto:
> k7ec%40midrivers.com> > wrote:
>
> > **
>
> > >
> > >

> > Hi John,
> > I like the way the AGC now works overall, but I can hear a slight amount
> > of clicking on voice peaks on SSB and at the end of dits and dashes in CW
> > signals. Very slight, but still there if you listen. I did not listen to
> > any RTTY or DATA signals.
> >
> > Thank you for your great attention to detail and for your dedication to
> > this effort. It is improving the Orion significantly and improving its
> > operator experience greatly!! It is like the radio now sparkles with
> > improved displays and operation. Really cool!!!!!!
> >
> > Great job everyone!!! What a difference!!!!!!
> >
> > Best Regards,
> > Kirby
> >
> > From: John
> > Sent: Thursday, January 19, 2012 14:21
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> > Subject: [orion565] RX366 and V3 firmware
> >
> >
> > Hi Everyone,
> >
> > Just to give you an update. We did make a software improvement this week
> > that I want to ensure gets fully tested. I want to work it through it's
> > paces on the contest this weekend. And judge on Monday AM whether the V3
> > firmware is ready for prime time or not.
> > Note: We won't ship any RX366's until we know the firmware is solid.
> >
> > Best Regards,
> > John Henry
> >
> > [Non-text portions of this message have been removed]
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>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7476. Re: OT: Backup & restore V2310

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-21 00:32:57 UTC
From: ke4r
Topic: 7465 Message: 7476

Right after accepting the EULA's, the setup program claims I will need 1,620 MB (approx. 1.6GB) of disk space to install. Seems large to me -- is this expected? Unfortunately my poor shack PC has only 800MB free on the system drive (C:\) but well over 8BG free on a second drive (F:\). Is there any way to direct it to put all files, even temporary files needed for installation, onto that second drive?

Thanks in advance,
Barrett / KE4R

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Hello,
>
> PRIOR to installation;
>
> 1) uninstall the previous BR application
> 2) ensure no other VB programs are running (close other rig control stuff)
> 3) remove the Orion_backup_config v2.txt and Orion_backup_memory v2.txt files within your "my documents" folder... the format changed a little and I want to avoid issues
> 4) install the V2310 application

7477. Re: OT: Backup & restore V2310

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-21 08:50:51 UTC
From: pa1ap
Topic: 7465 Message: 7477

No thats sounds very wrong.... The EULA are microsoft module confirmation and it will download some VB modules from microsoft but they are around 30-40Mbyte in total. The program itself is less than 1 Mbyte.

This is weird. Let me double check and come back to you. Best regards, Onno

--- In orion565@yahoogroups.com, "ke4r" <BarrettThompson@...> wrote:
>
> Right after accepting the EULA's, the setup program claims I will need 1,620 MB (approx. 1.6GB) of disk space to install. Seems large to me -- is this expected? Unfortunately my poor shack PC has only 800MB free on the system drive (C:\) but well over 8BG free on a second drive (F:\). Is there any way to direct it to put all files, even temporary files needed for installation, onto that second drive?
>
> Thanks in advance,
> Barrett / KE4R
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Hello,
> >
> > PRIOR to installation;
> >
> > 1) uninstall the previous BR application
> > 2) ensure no other VB programs are running (close other rig control stuff)
> > 3) remove the Orion_backup_config v2.txt and Orion_backup_memory v2.txt files within your "my documents" folder... the format changed a little and I want to avoid issues
> > 4) install the V2310 application
>

7478. Re: OT: Backup & restore V2310

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-21 09:25:38 UTC
From: pa1ap
Topic: 7465 Message: 7478

The required .net framwork 4 client profile claims about 182Mbyte on one of my Vista computers. For XP I could choose a different version which claims around 65Mbyte. For windows 7 the MS documentation claims this .net stuff is already included and hence the only change is my reasonable small program element (1 Mbyte)...

I am sorry about the required installation environment through microsoft. I will investigate if I can make it smaller but also want to ensure the program can run on all those different OS's around the world.

Best regards, Onno

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
>
> No thats sounds very wrong.... The EULA are microsoft module confirmation and it will download some VB modules from microsoft but they are around 30-40Mbyte in total. The program itself is less than 1 Mbyte.
>
> This is weird. Let me double check and come back to you. Best regards, Onno
>
>
> --- In orion565@yahoogroups.com, "ke4r" <BarrettThompson@> wrote:
> >
> > Right after accepting the EULA's, the setup program claims I will need 1,620 MB (approx. 1.6GB) of disk space to install. Seems large to me -- is this expected? Unfortunately my poor shack PC has only 800MB free on the system drive (C:\) but well over 8BG free on a second drive (F:\). Is there any way to direct it to put all files, even temporary files needed for installation, onto that second drive?
> >
> > Thanks in advance,
> > Barrett / KE4R
> >
> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > >
> > > Hello,
> > >
> > > PRIOR to installation;
> > >
> > > 1) uninstall the previous BR application
> > > 2) ensure no other VB programs are running (close other rig control stuff)
> > > 3) remove the Orion_backup_config v2.txt and Orion_backup_memory v2.txt files within your "my documents" folder... the format changed a little and I want to avoid issues
> > > 4) install the V2310 application
> > >
>

7479. Re: [orion565] Re: OT: Backup & restore V2310

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-21 09:33:34 UTC
From: Peter Frenning [OZ1PIF]
Topic: 7465 Message: 7479

Den 21-01-2012 10:25, pa1ap skrev:
> The required .net framwork 4 client profile claims about 182Mbyte on one of my Vista computers. For XP I could choose a different version which claims around 65Mbyte. For windows 7 the MS documentation claims this .net stuff is already included and hence the only change is my reasonable small program element (1 Mbyte)...
>
> I am sorry about the required installation environment through microsoft. I will investigate if I can make it smaller but also want to ensure the program can run on all those different OS's around the world.
>
> Best regards, Onno
How about Linux Onno? ;-)

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Genius is one per cent inspiration, **
** and ninety-nine per cent **
** perspiration. **
** -- Thomas A. Edison **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

7480. Re: OT: Backup & restore V2310

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-21 10:06:05 UTC
From: pa1ap
Topic: 7465 Message: 7480

You are the only one using that Peter :-)

--- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@...> wrote:
>
> Den 21-01-2012 10:25, pa1ap skrev:
> > The required .net framwork 4 client profile claims about 182Mbyte on one of my Vista computers. For XP I could choose a different version which claims around 65Mbyte. For windows 7 the MS documentation claims this .net stuff is already included and hence the only change is my reasonable small program element (1 Mbyte)...
> >
> > I am sorry about the required installation environment through microsoft. I will investigate if I can make it smaller but also want to ensure the program can run on all those different OS's around the world.
> >
> > Best regards, Onno
> How about Linux Onno? ;-)
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> **
> ** Genius is one per cent inspiration, **
> ** and ninety-nine per cent **
> ** perspiration. **
> ** -- Thomas A. Edison **
> **
> email: peter(no-spam filler)@...
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **
>

7481. Re: [orion565] Re: OT: Backup & restore V2310

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-21 10:26:02 UTC
From: Martin
Topic: 7465 Message: 7481

No! I use Linux exclusively! No doubt there are more Linux users...

73
Martin, OK1RR

www.ok1rr.com
www.cqrlog.com
www.hamqth.com
... and more

Dne 21.1.2012 11:06, pa1ap napsal(a):
> You are the only one using that Peter :-)
>
> --- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]"<peter@...> wrote:
>>
>> Den 21-01-2012 10:25, pa1ap skrev:
>>> The required .net framwork 4 client profile claims about 182Mbyte on one of my Vista computers. For XP I could choose a different version which claims around 65Mbyte. For windows 7 the MS documentation claims this .net stuff is already included and hence the only change is my reasonable small program element (1 Mbyte)...
>>>
>>> I am sorry about the required installation environment through microsoft. I will investigate if I can make it smaller but also want to ensure the program can run on all those different OS's around the world.
>>>
>>> Best regards, Onno
>> How about Linux Onno? ;-)
>>
>> --
>> Vy 73 de OZ1PIF/5Q2M, Peter
>>
>> **
>> ** Genius is one per cent inspiration, **
>> ** and ninety-nine per cent **
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>> ** -- Thomas A. Edison **
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>> email: peter(no-spam filler)@...
>> http://www.frenning.dk/oz1pif.htm
>> Ph. +45 4619 3239
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>> **

>>
>
>
>

7482. Re: OT: Backup & restore V2310

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-21 10:31:16 UTC
From: pa1ap
Topic: 7465 Message: 7482

Sorry could not resist to provoce :-) :-) :-) :-)

I actually had to buy and install windows to get this darn program done.... there seems to be a large(r) audience using windows within this group. You know what? Let me post a vote and see what the distribution is. Would be good to know and if development needs to be done on Linux I would be more than happy to do so. Smaller packages, easier interface etc... best regards onno

--- In orion565@yahoogroups.com, Martin <martin@...> wrote:
>
> No! I use Linux exclusively! No doubt there are more Linux users...
>
> 73
> Martin, OK1RR
>
> www.ok1rr.com
> www.cqrlog.com
> www.hamqth.com
> ... and more
>
> Dne 21.1.2012 11:06, pa1ap napsal(a):
> > You are the only one using that Peter :-)
> >
> > --- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]"<peter@> wrote:
> >>
> >> Den 21-01-2012 10:25, pa1ap skrev:
> >>> The required .net framwork 4 client profile claims about 182Mbyte on one of my Vista computers. For XP I could choose a different version which claims around 65Mbyte. For windows 7 the MS documentation claims this .net stuff is already included and hence the only change is my reasonable small program element (1 Mbyte)...
> >>>
> >>> I am sorry about the required installation environment through microsoft. I will investigate if I can make it smaller but also want to ensure the program can run on all those different OS's around the world.
> >>>
> >>> Best regards, Onno
> >> How about Linux Onno? ;-)
> >>
> >> --
> >> Vy 73 de OZ1PIF/5Q2M, Peter
> >>
> >> **
> >> ** Genius is one per cent inspiration, **
> >> ** and ninety-nine per cent **
> >> ** perspiration. **

> >> ** -- Thomas A. Edison **
> >> **
> >> email: peter(no-spam filler)@...
> >> http://www.frenning.dk/oz1pif.htm
> >> Ph. +45 4619 3239
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> >> Peter Frenning
> >> Ternevej 23
> >> DK-4130 Viby Sj.
> >> Denmark
> >> **
> >>
> >
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>

7483. New poll for orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-21 10:35:21 UTC
From: orion565@yahoogroups.com
Topic: 7 Message: 7483

Enter your vote today! A new poll has been created for the
orion565 group:

The computer operating system I am using to run my Orin rig control software is....

o windows nt
o windows xp
o windows vista
o windows 7
o windows 8
o linux
o other

To vote, please visit the following web page:
http://groups.yahoo.com/group/orion565/surveys?id=13120192

Note: Please do not reply to this message. Poll votes are
not collected via email. To vote, you must go to the Yahoo! Groups
web site listed above.

Thanks!

7484. Re: [orion565] Re: OT: Backup & restore V2310

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-21 15:24:49 UTC
From: Martin
Topic: 7465 Message: 7484

Wow,

it is a known fact that Linux runs on ~1% of all desktop machines. The other 1% is MacOS and other Unix-like rare birds. The world's biggest virus is nested on ~98% machines. Therefore a poll is meaningless...

Instead of provocation, I would prefer a true multi-platform (and Open Source, what else?) application. But stay cold Onno, for me is any third-party application less important because I operate CW only and prefer AGC off. Also I am not lazy to use front panel knobs (> 250 000 Q's made in this way). NB/NR is unefficient with BW of ~200 Hz... not too many things to adjust.

My reply was meant as a support to Peter's OZ1PIF request, I was also a bit curious how do you adjust the parameters (aka sniffing into source code :-). So that's, Onno. Consider my thoughts as very unimportant.

73
Martin, OK1RR

Dne 21.1.2012 11:31, pa1ap napsal(a):
> Sorry could not resist to provoce :-) :-) :-) :-)
>
> I actually had to buy and install windows to get this darn program done.... there seems to be a large(r) audience using windows within this group. You know what? Let me post a vote and see what the distribution is. Would be good to know and if development needs to be done on Linux I would be more than happy to do so. Smaller packages, easier interface etc... best regards onno
>
> --- In orion565@yahoogroups.com, Martin<martin@...> wrote:
>>
>> No! I use Linux exclusively! No doubt there are more Linux users...
>>
>> 73
>> Martin, OK1RR
>>
>> www.ok1rr.com
>> www.cqrlog.com
>> www.hamqth.com
>> ... and more
>>
>> Dne 21.1.2012 11:06, pa1ap napsal(a):
>>> You are the only one using that Peter :-)
>>>
>>> --- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]"<peter@> wrote:
>>>>

>>>> Den 21-01-2012 10:25, pa1ap skrev:
>>>>> The required .net framwork 4 client profile claims about 182Mbyte on one of my Vista computers. For XP I could choose a different version which claims around 65Mbyte. For windows 7 the MS documentation claims this .net stuff is already included and hence the only change is my reasonable small program element (1 Mbyte)...
>>>>>
>>>>> I am sorry about the required installation environment through microsoft. I will investigate if I can make it smaller but also want to ensure the program can run on all those different OS's around the world.
>>>>>
>>>>> Best regards, Onno
>>>> How about Linux Onno? ;-)
>>>>
>>>> --
>>>> Vy 73 de OZ1PIF/5Q2M, Peter
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>>>> Denmark
>>>> **
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>

7485. Re: OT: Backup & restore V2310

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-21 16:06:45 UTC
From: pa1ap
Topic: 7465 Message: 7485

Full agree on the true multi-platform and open source direction. perhaps development could be based on Java to allow multi platform support. Will investigate and read into the topic. Thats a lot of contact you have made... Best regards, Onno

--- In orion565@yahoogroups.com, Martin <martin@...> wrote:
>
> Wow,
>
> it is a known fact that Linux runs on ~1% of all desktop machines. The
> other 1% is MacOS and other Unix-like rare birds. The world's biggest
> virus is nested on ~98% machines. Therefore a poll is meaningless...
>
> Instead of provocation, I would prefer a true multi-platform (and Open
> Source, what else?) application. But stay cold Onno, for me is any
> third-party application less important because I operate CW only and
> prefer AGC off. Also I am not lazy to use front panel knobs (> 250 000
> Q's made in this way). NB/NR is unefficient with BW of ~200 Hz... not
> too many things to adjust.
>
> My reply was meant as a support to Peter's OZ1PIF request, I was also a
> bit curious how do you adjust the parameters (aka sniffing into source
> code :-). So that's, Onno. Consider my thoughts as very unimportant.
>
> 73
> Martin, OK1RR
>
>
>
> Dne 21.1.2012 11:31, pa1ap napsal(a):
> > Sorry could not resist to provoce :-) :-) :-) :-)
> >
> > I actually had to buy and install windows to get this darn program done.... there seems to be a large(r) audience using windows within this group. You know what? Let me post a vote and see what the distribution is. Would be good to know and if development needs to be done on Linux I would be more than happy to do so. Smaller packages, easier interface etc... best regards onno
> >
> > --- In orion565@yahoogroups.com, Martin<martin@> wrote:
> >>
> >> No! I use Linux exclusively! No doubt there are more Linux users...
> >>
> >> 73
> >> Martin, OK1RR
> >>
> >> www.ok1rr.com

> >> www.cqrlog.com
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> >> ... and more
> >>
> >> Dne 21.1.2012 11:06, pa1ap napsal(a):
> >>> You are the only one using that Peter :-)
> >>>
> >>> --- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]"<peter@> wrote:
> >>>>
> >>>> Den 21-01-2012 10:25, pa1ap skrev:
> >>>>> The required .net framwork 4 client profile claims about 182Mbyte on one of my Vista computers. For XP I could choose a different version which claims around 65Mbyte. For windows 7 the MS documentation claims this .net stuff is already included and hence the only change is my reasonable small program element (1 Mbyte)...
> >>>>>
> >>>>> I am sorry about the required installation environment through microsoft. I will investigate if I can make it smaller but also want to ensure the program can run on all those different OS's around the world.
> >>>>>
> >>>>> Best regards, Onno
> >>>> How about Linux Onno? ;-)
> >>>>
> >>>> --
> >>>> Vy 73 de OZ1PIF/5Q2M, Peter
> >>>>
> >>>> **
> >>>> ** Genius is one per cent inspiration, **
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> >>>> Denmark
> >>>> **
> >>>>
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> >>>
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> >
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> >

7486. Re: [orion565] Re: OT: Backup & restore V2310

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-21 16:17:41 UTC
From: Peter Frenning [OZ1PIF]
Topic: 7465 Message: 7486

Den 21-01-2012 17:06, pa1ap skrev:
> Full agree on the true multi-platform and open source direction. perhaps development could be based on Java to allow multi platform support. Will investigate and read into the topic. Thats a lot of contact you have made... Best regards, Onno
Maybe you should look into Python, Onno, that's what Joe Taylor uses for
WSJT and WSPR (plus some fortran and c routines for math intensive and
performance critical stuff) - it's available on all current platforms:
Windoze's, UNIX'es, Linux'es and Mac's.

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
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** -- Thomas A. Edison **
****
email: peter(no-spam filler)@...
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Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

7487. Re: OT: Backup & restore V2310

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-21 16:37:10 UTC
From: hlmcgavran
Topic: 7465 Message: 7487

Linux has been my main system since 1980. I much prefer it
to Windows. I only use windows on my laptop in the ham shack
since so much software for ham radio is Windows, but
Linux meets my needs for everything else much better.
All my other machines are linux.

From you comment, it sounds like you usually use linux --
if so, you may prefer to use wxwidgets for the gui
and either mingw or cygwin for c and c++ programming.
I believe that's what fldigi does (and I think S-meterlite
is going to wxwidgets as well -- btw S-meterlite now
is compatible with the Orion).

I wrote a c program under cygwin to restore my Orion
to all my favorite settings after a master reset way
back when I first got my Orion. That program is the same
code for both linux and windows. I didn't use a gui
because all I wanted was to restore the Orion to my favorite
state, so I didn't need to change anything in what
the program does with each run, but if I wanted a gui
I'd use wxwidgets which provides the gui interface for
all windows os's as well as linux. Look at fldigi -- it's
a good example. If you use mingw or cygwin and wxdidgets,
all you need to do for windows is include either a mingw dll
or cygwin dll depending on which you are using, and include
a wxwidgets dll to get you installation to work on any windows os.
On linux, all that's needed is for the user to have installed
the wxwidgets package which seems to be the default for
a number of distributions these days.

Then you have a single c/c++ app for all those platforms.

Look at fldigi to see what you can do with wxwidgets
and mingw.

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Sorry could not resist to provoce :-) :-) :-) :-)
>
> I actually had to buy and install windows to get this darn program done.... there seems to be a large(r) audience using windows within this group. You know what? Let me post a vote and see what the distribution is. Would be good to know and if development needs to be done on Linux I would be more than happy to do so. Smaller packages, easier interface etc... best regards onno
>
> --- In orion565@yahoogroups.com, Martin <martin@> wrote:

> >
> > No! I use Linux exclusively! No doubt there are more Linux users...
> >
> > 73
> > Martin, OK1RR
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> > www.ok1rr.com
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> > ... and more
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> > Dne 21.1.2012 11:06, pa1ap napsal(a):
> > > You are the only one using that Peter :-)
> > >
> > > --- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]"<peter@> wrote:
> > >>
> > >> Den 21-01-2012 10:25, pa1ap skrev:
> > >>> The required .net framwork 4 client profile claims about 182Mbyte on one of my Vista computers. For XP I could choose a different version which claims around 65Mbyte. For windows 7 the MS documentation claims this .net stuff is already included and hence the only change is my reasonable small program element (1 Mbyte)...
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> > >>> I am sorry about the required installation environment through microsoft. I will investigate if I can make it smaller but also want to ensure the program can run on all those different OS's around the world.
> > >>>
> > >>> Best regards, Onno
> > >> How about Linux Onno? ;-)
> > >>
> > >> --
> > >> Vy 73 de OZ1PIF/5Q2M, Peter
> > >>
> > >> **
> > >> ** Genius is one per cent inspiration, **
> > >> ** and ninety-nine per cent **
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> > >> Peter Frenning
> > >> Ternevej 23
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> > >> Denmark
> > >> **
> > >>
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>

7488. Re: OT: Backup & restore V2310

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-21 17:33:18 UTC
From: pa1ap
Topic: 7465 Message: 7488

Good suggestion Peter! Will investigate and see whats available for that environment. It wont be available tomorrow though ;-)

Best regards, onno

--- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@...> wrote:
>
> Den 21-01-2012 17:06, pa1ap skrev:
> > Full agree on the true multi-platform and open source direction. perhaps development could be based on Java to allow multi platform support. Will investigate and read into the topic. Thats a lot of contact you have made... Best regards, Onno
> Maybe you should look into Python, Onno, that's what Joe Taylor uses for
> WSJT and WSPR (plus some fortran and c routines for math intensive and
> performance critical stuff) - it's available on all current platforms:
> Windoze's, UNIX'es, Linux'es and Mac's.
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
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> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **
>

7489. Re: [orion565] Re: OT: Backup & restore V2310

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-21 19:00:20 UTC
From: Per Bekker-Madsen
Topic: 7465 Message: 7489

Use HTML5 thats the comming common standard :-)
Found an old IBM T42 and have just finished installing Ubuntu. I allready
hate it :-(

73 Per OZ1EQC/OV2V

2012/1/21 pa1ap <pa1ap@...>

> **
>
>
> Good suggestion Peter! Will investigate and see whats available for that
> environment. It wont be available tomorrow though ;-)
>
> Best regards, onno
>
> --- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@...>
> wrote:
> >
> > Den 21-01-2012 17:06, pa1ap skrev:
> > > Full agree on the true multi-platform and open source direction.
> perhaps development could be based on Java to allow multi platform support.
> Will investigate and read into the topic. Thats a lot of contact you have
> made... Best regards, Onno
> > Maybe you should look into Python, Onno, that's what Joe Taylor uses for
> > WSJT and WSPR (plus some fortran and c routines for math intensive and
> > performance critical stuff) - it's available on all current platforms:
> > Windoze's, UNIX'es, Linux'es and Mac's.
> >
> > --
> > Vy 73 de OZ1PIF/5Q2M, Peter
> >
> > **
> > ** Genius is one per cent inspiration, **
> > ** and ninety-nine per cent **
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> > ** -- Thomas A. Edison **
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> > Peter Frenning
> > Ternevej 23
> > DK-4130 Viby Sj.
> > Denmark

> > **
> >
>
>
>

[Non-text portions of this message have been removed]

7490. ORION AUTO BAND CHANGE CONTROL CABLE FOR TOKYO-HYPOWER AMPS

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-21 20:22:26 UTC
From: Lee
Topic: 7490 Message: 7490

If anyone is interested in a auto band change control cable for Orion to Tokyo Hy-Power amps please contact Dave KD1NA at darjar@.... He built one for my Orion II that does auto band control on my Tokyo-Hy Power HL-2.5 Kfx perfectly. The auto band control cable is NOT the same cable for the THP 1.5 and 2.5. Dave can build either one. I contacted Ten Tec and Tokyo-HyPower and had no luck and Dave was kind enough to build one for THP 2.5. Dave used to own a THP 1.5. Dave does fast, neat, professional work. This is not an ad to sell cables, but simply to let Orion owners that have Tokyo-HyPower amps that there is a auto band control cable available. Considering the dollars invested in the Orion II and the THP 2.5 I was a very happy camper to be able to pay Dave a modest sum for the auto band control cable. If you want to spend at least eight hours time and like to order parts and do lots of soldering, free plans for this control cable are available. I would rather spend the time on the air than soldering. 73, Lee W7RP 970-234-8989 leearmitage1@...

7491. [orion566] ORION ALC AFC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-22 08:05:15 UTC
From: Jacques Paoli
Topic: 7490 Message: 7491

I wonder if anyone has a solution to address ALC and AFC ORION II 566.
What would be the method?
thank you

[Non-text portions of this message have been removed]

7492. Orion 565 no output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-22 20:15:22 UTC
From: Paul DeWitte
Topic: 7492 Message: 7492

This morning I was using ant 2 to chase some DX. It is on a 30m vert, so I had the power turned up to about 98.

After I quit on 30m I went to I think 10m. I am using a Herc II on all bands but the 30m band.

I use ant 1 on all but 30m. I forgot to turn down the power when switching bands, and TX into the Herc with power set at 98. I thought that I had blew up the Herc as it did not work after that.

After playing around, I found that the Herc is OK but the Orion does not have any output on any band.

So far I have tried it into a dummy load, did a master reset, turned it off and back on, all with no results. Looking for suggestions.

It does RCV OK, just does not TX.

Thanks,73 Paul

7493. Re: Orion 565 no output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-22 21:08:15 UTC
From: pa1ap
Topic: 7492 Message: 7493

That does not sound very good. Perhaps you could try the following;

1) in case you have tuner installed, enable it and push TUNE... followed by disabling it. I noticed that my tuner sometimes goes in funny mode and little to no power goes out of the orion.

2) master reset should put everything back again. If you connect you dummy load to ANT 2 and switch TX to ant 2.. do you measure power?

3) when PTT is pushed, do you see increased current on power supply?

4) when switching to CW and keying the rig, do you hear the QSK clicks?

5) when keying the rig with CW mode, do you see the SWR indication on the lCD showing up?

6) go to menu > TX > disable the transmitter and enable the transmitter.. Leave menu and check if PWR is anything higher than 1... If it indicated off, your transmitter is disabled. Check VFO matrix as well and see if TX button is enabled (yellow led) and assigned to VFO...

Let us know what you find.

Best regards, Onno

--- In orion565@yahoogroups.com, "Paul DeWitte" <k9ot@...> wrote:
>
> This morning I was using ant 2 to chase some DX. It is on a 30m vert, so I
> had the power turned up to about 98.
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> After I quit on 30m I went to I think 10m. I am using a Herc II on all bands
> but the 30m band.
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> I use ant 1 on all but 30m. I forgot to turn down the power when switching
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> So far I have tried it into a dummy load, did a master reset, turned it off
> and back on, all with no results. Looking for suggestions.
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> It does RCV OK, just does not TX.
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> Thanks,73 Paul
>

7494. Re: Orion 565 no output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-22 21:16:06 UTC
From: pa1ap
Topic: 7492 Message: 7494

I have no confirmation but just remembered I have been reading the end stage is also (over) temparature protected. I can imagine that it would take time to recover from this protection... Perhaps the unit works again after it got a cool down period...

--- In orion565@yahoogroups.com, "Paul DeWitte" <k9ot@...> wrote:
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> This morning I was using ant 2 to chase some DX. It is on a 30m vert, so I
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> It does RCV OK, just does not TX.
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> Thanks,73 Paul
>

7495. Re: Orion 565 no output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-22 21:19:40 UTC
From: pa1ap
Topic: 7492 Message: 7495

..... the brochure actually states this ;-)

////
Virtually indestructable 100-watt PA. Over-voltage protection, current protection for final transistors and thermal shutdown are built-in. Rated 100% duty cycle, 100 watts output, no time limit with added optional model 310 cooling fan
////

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> I have no confirmation but just remembered I have been reading the end stage is also (over) temparature protected. I can imagine that it would take time to recover from this protection... Perhaps the unit works again after it got a cool down period...
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> --- In orion565@yahoogroups.com, "Paul DeWitte" <k9ot@> wrote:
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> > and back on, all with no results. Looking for suggestions.
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> > It does RCV OK, just does not TX.
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> > Thanks,73 Paul
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>

7496. Re: [orion565] Re: Orion 565 no output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-22 21:56:54 UTC
From: Barry N1EU
Topic: 7492 Message: 7496

Also try turning the keying loop OFF if it is turned ON and see if that has
an effect on the zero output.

Barry N1EU

On Sun, Jan 22, 2012 at 9:08 PM, pa1ap <pa1ap@...> wrote:

> **
>
>
> That does not sound very good. Perhaps you could try the following;
>
> 1) in case you have tuner installed, enable it and push TUNE... followed
> by disabling it. I noticed that my tuner sometimes goes in funny mode and
> little to no power goes out of the orion.
>
> 2) master reset should put everything back again. If you connect you dummy
> load to ANT 2 and switch TX to ant 2.. do you measure power?
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> 3) when PTT is pushed, do you see increased current on power supply?
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> 4) when switching to CW and keying the rig, do you hear the QSK clicks?
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> 5) when keying the rig with CW mode, do you see the SWR indication on the
> lCD showing up?
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> 6) go to menu > TX > disable the transmitter and enable the transmitter..
> Leave menu and check if PWR is anything higher than 1... If it indicated
> off, your transmitter is disabled. Check VFO matrix as well and see if TX
> button is enabled (yellow led) and assigned to VFO...
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> Let us know what you find.
>
> Best regards, Onno
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> > Thanks,73 Paul
> >
>
>
>

[Non-text portions of this message have been removed]

7498. Re: [orion565] Orion 565 no output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-22 23:18:02 UTC
From: Bert Beyt
Topic: 7492 Message: 7498

Paul,

Make sure the PWR button at upper left side of the screen has not been toggled to OFF. You must push this button and hold it for a few seconds to toggle from OFF to ON.

Hope your problem is this simple!
73 Bert W5ZR

On Jan 22, 2012, Paul DeWitte <k9ot@...> wrote:

This morning I was using ant 2 to chase some DX. It is on a 30m vert, so I had the power turned up to about 98.

After I quit on 30m I went to I think 10m. I am using a Herc II on all bands but the 30m band.

I use ant 1 on all but 30m. I forgot to turn down the power when switching bands, and TX into the Herc with power set at 98. I thought that I had blew up the Herc as it did not work after that.

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It does RCV OK, just does not TX.

Thanks,73 Paul

Yahoo! Groups Links

7499. Re: RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-23 01:49:19 UTC
From: radiomike_58
Topic: 7459 Message: 7499

Hi John,

This announcement is making me curious, of exactly what changes are in store. What are the enhancements and new features? I have an Orion 565 and am wondering how the improvements will affect the rig? What new features will there be and how are the specifications improved?

I am eagerly awaiting the new v3 and RX 366 combo. Keep up the good work.

73,

Mike Bates KA0KLQ
--- In orion565@yahoogroups.com, "John" <jhenry@...> wrote:
>
> Hi Andrew,
>
> Yes, more reliability, several enhancements, new features, one will help you copy signals that you couldn't discern on previous builds or other rigs to date. Coming soon, very soon. Days away now, not weeks.
>
> John
>
>
> --- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@> wrote:
> >
> > Hi John.
> >
> >
> > Anything new brewing for firmware upgrade for the 566?
> >
> > Thanks, and 73
> >
> > Andrew K6STN
> >
> >
> >
>

7500. 565 no output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-23 12:46:44 UTC
From: Paul DeWitte
Topic: 7500 Message: 7500

Thanks for all of the ideas and help.

I have tried with the keying loop off and several other things all with the same result.

I put it into a MFJ tuner with a dummy load and meter. It shows about 1 or 2 watts out.

I got a reply last night that this had happened to him and it was the drivers to the finals on his rig. He put in new ones and that fixed the problem.

So a call to T T is in order.

Thanks guys, but I did get the VP6 on 160m this AM with the trusty old Omni VI+

73 Paul K9OT

7501. Re: [orion565] 565 no output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-23 16:45:40 UTC
From: Robert Hasselmeier
Topic: 7500 Message: 7501

Paul I have a complete Driver board from a good working Orion(Bad Logic board) if you are intrested.
901-331-6978

AC4GE
Robert Hasselmeier

_____
From: Paul DeWitte <k9ot@...>
To: orion565@yahoogroups.com
Sent: Monday, January 23, 2012 6:46 AM
Subject: [orion565] 565 no output

Thanks for all of the ideas and help.

I have tried with the keying loop off and several other things all with the same result.

I put it into a MFJ tuner with a dummy load and meter. It shows about 1 or 2 watts out.

I got a reply last night that this had happened to him and it was the drivers to the finals on his rig. He put in new ones and that fixed the problem.

So a call to T T is in order.

Thanks guys, but I did get the VP6 on 160m this AM with the trusty old Omni VI+

73 Paul K9OT

Yahoo! Groups Links

[Non-text portions of this message have been removed]

7502. Re: RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-24 14:08:16 UTC
From: John
Topic: 7459 Message: 7502

Hi Mike,

The changes to the firmware for the 565 (as paraphrased quite nicely by one of the beta testers, with a few tweaks of my own) include:
- Added support for RX366 subreceiver option
- Added SAF feature to NOTCH button and DSP; audio peaking with
variable width and center frequency (so far, EXTREMELY good reviews by the testers)
- Tweaked sweep operation (a tad more update, and functionality)
- Modified SIDETONE level to make the gain range more usable (trying to cover a larger range, but still not overload at varying conditions, a hard line to balance on)
- Increased audio line out levels (means better performance with varying sound cards)
- Minor changes to Speech Processor for smoother operation
- Adding push hold function to A>B to transfer settings from main to subrx (transfers a few more items than before)
- Smoother audio switching with QSK cw
- Added BW, PBT, AGC, Mode Tracking option between Main and Sub Receivers (aids in contesting, dx, and diversity operations, fewer button presses to keep the parts of the main and sub you like locked together)
- Added Global or Per Band option for MIC and PWR
- Added/Fixed serial commands for sub-receiver ATTN and PREAMP
There are a few other items added, will include in the official V3 intro doc. (still working on it)

This is just a bit of what has changed. The other part that has happened in all of this is making the rig even more reliable and mature. Had the beta test team identify what they thought were the most nagging annoyances and worked on those as well. So, better performance from both a reliability standpoint and from a operational receiver quality standpoint.

A new level in receiver performance and features for the Orion(s). As TenTec is committed to doing.

Hope this helps,
John

--- In orion565@yahoogroups.com, "radiomike_58" <mjbates@...> wrote:
>
>
> Hi John,
>
> This announcement is making me curious, of exactly what changes are in store. What are the enhancements and new features? I have an Orion 565 and am wondering how the improvements will affect the rig? What new features will there be and how are the specifications improved?
>
> I am eagerly awaiting the new v3 and RX 366 combo. Keep up the good work.

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> 73,
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> Mike Bates KA0KLQ
> --- In orion565@yahoogroups.com, "John" <jhenry@> wrote:
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> > Hi Andrew,
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> > Yes, more reliability, several enhancements, new features, one will help you copy signals that you couldn't discern on previous builds or other rigs to date. Coming soon, very soon. Days away now, not weeks.
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> > > Andrew K6STN
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> >
>

7503. Re: [orion565] Re: RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-24 15:17:43 UTC
From: Tom Berry
Topic: 7459 Message: 7503

Thanks John for the update. These features really make it worth the wait.

73 Tom AA4VV

- Added support for RX366 subreceiver option
- Added SAF feature to NOTCH button and DSP; audio peaking with
variable width and center frequency (so far, EXTREMELY good reviews by the testers)
- Adding push hold function to A>B to transfer settings from main to subrx

7504. Re: RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-24 15:34:06 UTC
From: pa1ap
Topic: 7459 Message: 7504

As part of the beta team I would like to express my appreciation to the Ten Tec development group. Since the start of the development cycle they have been very responsive to beta testers observations, findings and suggestions and usually providing a solution within days if not hours. It will be exciting to see the new release become public and how you all will enjoy using it. I think it is amazing piece of software development with equally amazing investment as made by Ten Tec to extend the lifecycle of the Orion by at least another decade. Very impressive combination! Thank you Ten Tec! Regards Onno de pa1ap

--- In orion565@yahoogroups.com, "John" <jhenry@...> wrote:
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> Hi Mike,
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7505. Re: [orion565] Re: RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-24 15:54:04 UTC
From: Barry N1EU
Topic: 7459 Message: 7505

I'd like to echo Onno's comments. The commitment demonstrated by Ten-Tec for continued support of the Orion will prove to be a big long term win-win for both Ten-Tec and their Orion customers. My thanks go out to Jack, John, and Gary. Special appreciation to John for his "can do" attitude and dedication to keeping everyone informed.

73, Barry N1EU

On Tue, Jan 24, 2012 at 3:34 PM, pa1ap <pa1ap@...> wrote:

> **
>
>
> As part of the beta team I would like to express my appreciation to the
> Ten Tec development group. Since the start of the development cycle they
> have been very responsive to beta testers observations, findings and
> suggestions and usually providing a solution within days if not hours. It
> will be exciting to see the new release become public and how you all will
> enjoy using it. I think it is amazing piece of software development with
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[Non-text portions of this message have been removed]

7506. Re: [orion565] Re: RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-24 16:04:58 UTC
From: Tom Berry
Topic: 7459 Message: 7506

How important is it to have the roofing filters match (600 Hz to 600 Hz etc) in the Main RX and the SubRX when using diversity reception?

Thanks
Tom AA4VV

7507. Re: [orion565] Re: RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-24 16:32:00 UTC
From: Barry N1EU
Topic: 7459 Message: 7507

I think it's preferable that they match but stereo diversity will still work well with unmatched roofing filters since the dsp selectivity will match. I definitely prefer to have the audio passbands match as closely as possible ear-to-ear.

Barry N1EU

On Tue, Jan 24, 2012 at 4:04 PM, Tom Berry <tberry1@...> wrote:

> **
>
>
> How important is it to have the roofing filters match (600 Hz to 600 Hz
> etc) in the Main RX and the SubRX when using diversity reception?
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> Thanks
> Tom AA4VV
>
>

[Non-text portions of this message have been removed]

7508. Re: [orion565] Re: RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-24 16:34:28 UTC
From: Tom Berry
Topic: 7459 Message: 7508

Thanks Barry. You have been a big help.

73 Tom AA4VV

On 1/24/2012 11:32 AM, Barry N1EU wrote:
> I think it's preferable that they match but stereo diversity will still
> work well with unmatched roofing filters since the dsp selectivity will
> match. I definitely prefer to have the audio passbands match as closely as
> possible ear-to-ear.
>
> Barry N1EU
>
> On Tue, Jan 24, 2012 at 4:04 PM, Tom Berry<tberry1@...> wrote:
>
>> **
>>
>>
>> How important is it to have the roofing filters match (600 Hz to 600 Hz
>> etc) in the Main RX and the SubRX when using diversity reception?
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>> Thanks
>> Tom AA4VV
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>>
>
> [Non-text portions of this message have been removed]
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>
> Yahoo! Groups Links
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7509. Re: [orion565] Re: RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-24 17:05:18 UTC
From: Per Bekker-Madsen
Topic: 7459 Message: 7509

Glad to see that you have been participating Onno :-)
I have only one complaint on my ORION and that is the build in keyer :-)
Cant use the Iambic modes, I am trained with the Danish commercial keyer
Squeeze Key MSK5. Would be nice if one could make the settings our self.
Iambic is alternating dits and dahs when you press both paddles same time.
If one could choose no alternating and choose between dot and/or dash
memmory. One could program it to alle the different keystyles on the market
:-) But what the h... I have the best radio, and next to it the best keyer
:-) = the best OP :-)

73 Per OZ1EQC

2012/1/24 pa1ap <pa1ap@...>

> **
>
>
> As part of the beta team I would like to express my appreciation to the
> Ten Tec development group. Since the start of the development cycle they
> have been very responsive to beta testers observations, findings and
> suggestions and usually providing a solution within days if not hours. It
> will be exciting to see the new release become public and how you all will
> enjoy using it. I think it is amazing piece of software development with
> equally amazing investment as made by Ten Tec to extend the lifecycle of
> the Orion by at least another decade. Very impressive combination! Thank
> you Ten Tec! Regards Onno de pa1ap
>
> --- In orion565@yahoogroups.com, "John" <jhenry@...> wrote:
> >
> > Hi Mike,
> >
> > The changes to the firmware for the 565 (as paraphrased quite nicely by
> one of the beta testers, with a few tweaks of my own) include:
> > - Added support for RX366 subreceiver option
> > - Added SAF feature to NOTCH button and DSP; audio peaking with
> > variable width and center frequency (so far, EXTREMELY good reviews by
> the testers)
> > - Tweaked sweep operation (a tad more update, and functionality)
> > - Modified SIDETONE level to make the gain range more usable (trying to
> cover a larger range, but still not overload at varying conditions, a hard
> line to balance on)
> > - Increased audio line out levels (means better performance with varying
> sound cards)
> > - Minor changes to Speech Processor for smoother operation
> > - Adding push hold function to A>B to transfer settings from main to
> subrx (transfers a few more items than before)

> > - Smoother audio switching with QSK cw
> > - Added BW, PBT, AGC, Mode Tracking option between Main and Sub
> Receivers (aids in contesting, dx, and diversity operations, fewer button
> presses to keep the parts of the main and sub you like locked together)
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> doc. (still working on it)
> >
> > This is just a bit of what has changed. The other part that has happened
> in all of this is making the rig even more reliable and mature. Had the
> beta test team identify what they thought were the most nagging annoyances
> and worked on those as well. So, better performance from both a reliability
> standpoint and from a operational receiver quality standpoint.
> >
> > A new level in receiver performance and features for the Orion(s). As
> TenTec is committed to doing.
> >
> > Hope this helps,
> > John
> >
> >
> > --- In orion565@...m, "radiomike_58" <mjbates@> wrote:
> > >
> > >
> > > Hi John,
> > >
> > > This announcement is making me curious, of exactly what changes are in
> store. What are the enhancements and new features? I have an Orion 565 and
> am wondering how the improvements will affect the rig? What new features
> will there be and how are the specifications improved?
> > >
> > > I am eagerly awaiting the new v3 and RX 366 combo. Keep up the good
> work.
> > >
> > > 73,
> > >
> > > Mike Bates KA0KLQ
> > > --- In orion565@...m, "John" <jhenry@> wrote:
> > > >
> > > > Hi Andrew,
> > > >
> > > > Yes, more reliability, several enhancements, new features, one will
> help you copy signals that you couldn't discern on previous builds or other
> rigs to date. Coming soon, very soon. Days away now, not weeks.
> > > >
> > > > John
> > > >
> > > >
> > > > --- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@> wrote:

> > > > >
> > > > > Hi John.
> > > > >
> > > > >
> > > > > Anything new brewing for firmware upgrade for the 566?
> > > > >
> > > > > Thanks, and 73
> > > > >
> > > > > Andrew K6STN
> > > > >
> > > > >
> > > > >
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[Non-text portions of this message have been removed]

7510. Re: [orion565] Re: RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-25 05:33:37 UTC
From: Tony Lelieveld
Topic: 7459 Message: 7510

Hi all,

This is the very reason that, when I retired in 2007, I decided to purchase the ORION-II. With a radio that can be upgraded, functions changed, improved upon when needed and all that with a download to your computer I don't need to purchase another one for years to come. I am really looking forward to the new release.

Tony VE3DWI / K8DWI ex PA0MIH.
----- Original Message -----
From: Barry N1EU

I'd like to echo Onno's comments. The commitment demonstrated by Ten-Tec
for continued support of the Orion will prove to be a big long term win-win
for both Ten-Tec and their Orion customers. My thanks go out to Jack,
John, and Gary. Special appreciation to John for his "can do" attitude and
dedication to keeping everyone informed.

73, Barry N1EU

On Tue, Jan 24, 2012 at 3:34 PM, pa1ap <pa1ap@...> wrote:

> **
>
>
> As part of the beta team I would like to express my appreciation to the
> Ten Tec development group. Since the start of the development cycle they
> have been very responsive to beta testers observations, findings and
> suggestions and usually providing a solution within days if not hours. It
> will be exciting to see the new release become public and how you all will
> enjoy using it. I think it is amazing piece of software development with
> equally amazing investment as made by Ten Tec to extend the lifecycle of
> the Orion by at least another decade. Very impressive combination! Thank
> you Ten Tec! Regards Onno de pa1ap
>
> --- In orion565@yahoogroups.com, "John" <jhenry@...> wrote:
> >
> > Hi Mike,
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> one of the beta testers, with a few tweaks of my own) include:
> > - Added support for RX366 subreceiver option
> > - Added SAF feature to NOTCH button and DSP; audio peaking with
> > variable width and center frequency (so far, EXTREMELY good reviews by
> the testers)
> > - Tweaked sweep operation (a tad more update, and functionality)
> > - Modified SIDETONE level to make the gain range more usable (trying to

> cover a larger range, but still not overload at varying conditions, a hard
> line to balance on)
> > - Increased audio line out levels (means better performance with varying
> sound cards)
> > - Minor changes to Speech Processor for smoother operation
> > - Adding push hold function to A>B to transfer settings from main to
> subrx (transfers a few more items than before)
> > - Smoother audio switching with QSK cw
> > - Added BW, PBT, AGC, Mode Tracking option between Main and Sub
> Receivers (aids in contesting, dx, and diversity operations, fewer button
> presses to keep the parts of the main and sub you like locked together)
> > - Added Global or Per Band option for MIC and PWR
> > - Added/Fixed serial commands for sub-receiver ATTN and PREAMP
> > There are a few other items added, will include in the official V3 intro
> doc. (still working on it)
> >
> > This is just a bit of what has changed. The other part that has happened
> in all of this is making the rig even more reliable and mature. Had the
> beta test team identify what they thought were the most nagging annoyances
> and worked on those as well. So, better performance from both a reliability
> standpoint and from a operational receiver quality standpoint.
> >
> > A new level in receiver performance and features for the Orion(s). As
> TenTec is committed to doing.
> >
> > Hope this helps,
> > John
> >
> >

[Non-text portions of this message have been removed]

7511. Re: RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-26 04:23:59 UTC
From: radiomike_58
Topic: 7459 Message: 7511

Hello John,

Thanks for the information, this sounds great, sounds like a new radio!! I am eagerly awaiting the availability of the new software, and the RX-366. Thanks to all involved in making this upgrade possible. From the info gleaned here from a couple of Beta Testers, on this group, it sounds like a dramatic improvement in the Orion. I am curious, does the software re design bring about any improvement in measured Dynamic Range, Noise floor or other specifications of the receiver?, or are these solely determined by the hardware? I would be interested to know the difference in the specs between the new sub receiver(RX-366) and the existing Main RX in the Orion.

Thanks again and keep up the good work!!

73,

Mike KA0KLQ

--- In orion565@yahoogroups.com, "John" <jhenry@...> wrote:
>
> Hi Mike,
>
> The changes to the firmware for the 565 (as paraphrased quite nicely by one of the beta testers, with a few tweaks of my own) include:
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> This is just a bit of what has changed. The other part that has happened in all of this is making the rig even more reliable and mature. Had the beta test team identify what they thought were the most nagging annoyances and worked on those as well. So, better performance from both a reliability standpoint and from a operational receiver quality

standpoint.
>
> A new level in receiver performance and features for the Orion(s). As TenTec is committed to doing.
>
> Hope this helps,
> John
>
>
> --- In orion565@yahoogroups.com, "radiomike_58" <mjbates@> wrote:
> >
> >
> > Hi John,
> >
> > This announcement is making me curious, of exactly what changes are in store. What are the enhancements and new features? I have an Orion 565 and am wondering how the improvements will affect the rig? What new features will there be and how are the specifications improved?
> >
> > I am eagerly awaiting the new v3 and RX 366 combo. Keep up the good work.
> >
> > 73,
> >
> > Mike Bates KA0KLQ
> > --- In orion565@yahoogroups.com, "John" <jhenry@> wrote:
> > >
> > > Hi Andrew,
> > >
> > > Yes, more reliability, several enhancements, new features, one will help you copy signals that you couldn't discern on previous builds or other rigs to date. Coming soon, very soon. Days away now, not weeks.
> > >
> > > John
> > >
> > >
> > > --- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@> wrote:
> > > >
> > > > Hi John.
> > > >
> > > >
> > > > Anything new brewing for firmware upgrade for the 566?
> > > >
> > > > Thanks, and 73
> > > >
> > > > Andrew K6STN
> > > >
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> > > >
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> > >
>

7512. Re: [orion565] Re: RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-26 10:32:38 UTC
From: Barry N1EU
Topic: 7459 Message: 7512

Perhaps John will reply, but my educated guess is that the RX366 dynamic range improvement is approx 20dB over the original subreceiver. The most noticeable improvements will be:

1. ability to copy weak signals when there are nearby strong signals
2. immunity to rx overload when there are very strong signals anywhere on the band

The limitations of the stock subreceiver in these two areas should be apparent to anyone who operates in tough conditions (on all bands, but especially on 160M).

Essentially the subreceiver performance will now be equal to the main receiver.

73, Barry N1EU

On Thu, Jan 26, 2012 at 4:23 AM, radiomike_58 <mjbates@...> wrote:

> **
>
>
>
> Hello John,
>
> Thanks for the information, this sounds great, sounds like a new radio!! I
> am eagerly awaiting the availability of the new software, and the RX-366.
> Thanks to all involved in making this upgrade possible. From the info
> gleaned here from a couple of Beta Testers, on this group, it sounds like a
> dramatic improvement in the Orion. I am curious, does the software re
> design bring about any improvement in measured Dynamic Range, Noise floor
> or other specifications of the receiver?, or are these solely determined by
> the hardware? I would be interested to know the difference in the specs
> between the new sub receiver(RX-366) and the existing Main RX in the Orion.
>
> Thanks again and keep up the good work!!
>
> 73,
>
> Mike KA0KLQ
>
>
> --- In orion565@yahoogroups.com, "John" <jhenry@...> wrote:
> >
> > Hi Mike,
> >

> > The changes to the firmware for the 565 (as paraphrased quite nicely by
> one of the beta testers, with a few tweaks of my own) include:
> > - Added support for RX366 subreceiver option
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> the testers)
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> cover a larger range, but still not overload at varying conditions, a hard
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> subrx (transfers a few more items than before)
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> > There are a few other items added, will include in the official V3 intro
> doc. (still working on it)
> >
> > This is just a bit of what has changed. The other part that has happened
> in all of this is making the rig even more reliable and mature. Had the
> beta test team identify what they thought were the most nagging annoyances
> and worked on those as well. So, better performance from both a reliability
> standpoint and from a operational receiver quality standpoint.
> >
> > A new level in receiver performance and features for the Orion(s). As
> TenTec is committed to doing.
> >
> > Hope this helps,
> > John
> >
> >
> > --- In orion565@yahoogroups.com, "radiomike_58" <mjbates@> wrote:
> > >
> > >
> > > Hi John,
> > >
> > > This announcement is making me curious, of exactly what changes are in
> store. What are the enhancements and new features? I have an Orion 565 and
> am wondering how the improvements will affect the rig? What new features
> will there be and how are the specifications improved?
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> > > I am eagerly awaiting the new v3 and RX 366 combo. Keep up the good
> work.
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> > >
> > > Mike Bates KA0KLQ
> > > --- In orion565@yahoogroups.com, "John" <jhenry@> wrote:
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> > > > Hi Andrew,
> > > >
> > > > Yes, more reliability, several enhancements, new features, one will
> help you copy signals that you couldn't discern on previous builds or other
> rigs to date. Coming soon, very soon. Days away now, not weeks.
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> > > > John
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> > > >
> > > > --- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@> wrote:
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> > > > > Hi John.
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> > > > >
> > > > > Anything new brewing for firmware upgrade for the 566?
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> > > > > Thanks, and 73
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> > > > > Andrew K6STN
> > > > >
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> > >
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>

[Non-text portions of this message have been removed]

7513. Re: [orion565] Re: RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-26 15:11:22 UTC
From: Richard
Topic: 7459 Message: 7513

After having the Orion II for a few months I have concluded it is the best radio I have ever owned. These improvements will make the best better!

C. Richard Pumphrey
wn9ddv

NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

On Jan 25, 2012, at 11:23 PM, "radiomike_58" <mjbates@...> wrote:

>
> Hello John,
>
> Thanks for the information, this sounds great, sounds like a new radio!! I am eagerly awaiting the availability of the new software, and the RX-366. Thanks to all involved in making this upgrade possible. From the info gleaned here from a couple of Beta Testers, on this group, it sounds like a dramatic improvement in the Orion. I am curious, does the software re design bring about any improvement in measured Dynamic Range, Noise floor or other specifications of the receiver?, or are these solely determined by the hardware? I would be interested to know the difference in the specs between the new sub receiver(RX-366) and the existing Main RX in the Orion.
>
> Thanks again and keep up the good work!!
>
> 73,
>
> Mike KA0KLQ
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> --- In orion565@yahoogroups.com, "John" <jhenry@...> wrote:
> >
> > Hi Mike,
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> >
> > Hope this helps,
> > John
> >
> >
> > --- In orion565@yahoogroups.com, "radiomike_58" <mjbates@> wrote:
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> > >
> > > Hi John,
> > >
> > > This announcement is making me curious, of exactly what changes are in store. What are the enhancements and new features? I have an Orion 565 and am wondering how the improvements will affect the rig? What new features will there be and how are the specifications improved?
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> > > I am eagerly awaiting the new v3 and RX 366 combo. Keep up the good work.
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> > > Mike Bates KA0KLQ
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> > > > John
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> > > > --- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@> wrote:
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> > > > > Hi John.
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> > > > > Anything new brewing for firmware upgrade for the 566?
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>

[Non-text portions of this message have been removed]

7514. V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-26 15:17:08 UTC
From: Martin Sole
Topic: 7514 Message: 7514

Okay, I know, I'm probably putting my neck on the block here but I's just gotsta ask!

When?

Yeah yeah I know it's a little word but it can mean sooooo much.

Thought I read something that indicated now is the time to be checking up on stuff like this but not seeing the usual rash of questions so I assume there is either a moratorium on asking, in which case profound apologies, or it's years away still.

Cheers

Martin, HS0ZED

[Non-text portions of this message have been removed]

7515. Re: [orion565] V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-26 15:44:21 UTC
From: Tony Lelieveld
Topic: 7514 Message: 7515

Within a month. Browse the archive for this month's messages and ye will find more specific answers. 73, Tony VE3DWI
Sent wirelessly from my BlackBerry device on the Bell network.Envoy? sans fil par mon terminal mobile BlackBerry sur le r?seau de Bell.

-----Original Message-----
From: "Martin Sole" <hs0zed@...>
Sender: orion565@yahoogroups.com
Date: Thu, 26 Jan 2012 22:17:08
To: <orion565@yahoogroups.com>
Reply-To: orion565@yahoogroups.com
Subject: [orion565] V3

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When?

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Thought I read something that indicated now is the time to be checking up on stuff like this but not seeing the usual rash of questions so I assume there is either a moratorium on asking, in which case profound apologies, or it's years away still.

Cheers

Martin, HS0ZED

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7516. RE: [orion565] V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-26 16:13:32 UTC
From: Martin Sole
Topic: 7514 Message: 7516

Hi,

Yeah, already did that but just got the same vague sort of response. Well I guess that's it, at least for now. Within a month hmm, this one's pretty much done so I guess that'll be the next one then.

Good enough.
Can I say I'm excited? Does it show?

Cheers
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Tony Lelieveld
Sent: 26 January 2012 22:44
To: orion565@yahoogroups.com
Subject: Re: [orion565] V3

Within a month. Browse the archive for this month's messages and ye will find more specific answers. 73, Tony VE3DWI

Sent wirelessly from my BlackBerry device on the Bell network.Envoyé sans fil par mon terminal mobile BlackBerry sur le réseau de Bell.

-----Original Message-----

From: "Martin Sole" <hs0zed@...>

Sender: orion565@yahoogroups.com

Date: Thu, 26 Jan 2012 22:17:08

To: <orion565@yahoogroups.com>

Reply-To: orion565@yahoogroups.com

Subject: [orion565] V3

Okay, I know, I'm probably putting my neck on the block here but I's just

gotsta ask!

When?

Yeah yeah I know it's a little word but it can mean sooooo much.

Thought I read something that indicated now is the time to be checking up on

stuff like this but not seeing the usual rash of questions so I assume there

is either a moratorium on asking, in which case profound apologies, or it's

years away still.

Cheers

Martin, HS0ZED

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1901 / Virus Database: 2109/4766 - Release Date: 01/25/12

7517. RX366 upgrade-V3 software

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-27 01:00:08 UTC
From: radiomike_58
Topic: 7459 Message: 7517

Barry,

This is about what I was figuring, as the existing sub RX is of similar architecture as the Jupiter, about 70-75 dB DR at close spacing. I am curious as to if the software will bring any bump up to the performance numbers. I am pleased with the 565, especially since the most recent 2.064 software came out last year. I have had it since 2003, when it was the first rig of this architecture, in a number of years, with other improvements. Early on the rig had issues with reliability, but those seem to be long gone. Some miss the cleaner noise reduction performance in the V1 software, but since I have found the trick of running the RF Gain at around 70 the noise is much lower on the lower bands, (this has been talked about much on the various Ten-Tec groups), and it is no longer an issue for me.

Since 2003, the competition has stiffened up, and there are now a number of rigs with similar performance numbers, the K3, Flex 5000, and the FT-5000 series. I hasten to add that the Orion II was introduced with improved performance, but before these rigs were introduced. On balance, I think that the Orion/Orion II still holds its own, with some of the ones above better in one way or another, but overall on balance the Orion is still a winner. Hopefully this new upgrade raises the bar and keeps the Orion solidly in the game.

73,

Mike KA0KLQ

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Perhaps John will reply, but my educated guess is that the RX366 dynamic
> range improvement is approx 20dB over the original subreceiver. The most
> noticeable improvements will be:
>
> 1. ability to copy weak signals when there are nearby strong signals
> 2. immunity to rx overload when there are very strong signals anywhere on
> the band
>
> The limitations of the stock subreceiver in these two areas should be
> apparent to anyone who operates in tough conditions (on all bands, but
> especially on 160M).
>
> Essentially the subreceiver performance will now be equal to the main
> receiver.
>
> 73, Barry N1EU
>
> On Thu, Jan 26, 2012 at 4:23 AM, radiomike_58 <mjbates@...> wrote:
>
> > **
> >

> >
> >
> > Hello John,
> >
> > Thanks for the information, this sounds great, sounds like a new radio!! I
> > am eagerly awaiting the availability of the new software, and the RX-366.
> > Thanks to all involved in making this upgrade possible. From the info
> > gleaned here from a couple of Beta Testers, on this group, it sounds like a
> > dramatic improvement in the Orion. I am curious, does the software re
> > design bring about any improvement in measured Dynamic Range, Noise floor
> > or other specifications of the receiver?, or are these solely determined by
> > the hardware? I would be interested to know the difference in the specs
> > between the new sub receiver(RX-366) and the existing Main RX in the Orion.
> >
> > Thanks again and keep up the good work!!
> >
> > 73,
> >
> > Mike KA0KLQ
> >
> >
> > --- In orion565@yahoogroups.com, "John" <jhenry@> wrote:
> > >
> > > Hi Mike,
> > >
> > > The changes to the firmware for the 565 (as paraphrased quite nicely by
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> > > - Added SAF feature to NOTCH button and DSP; audio peaking with
> > > variable width and center frequency (so far, EXTREMELY good reviews by
> > the testers)
> > > - Tweaked sweep operation (a tad more update, and functionality)
> > > - Modified SIDETONE level to make the gain range more usable (trying to
> > cover a larger range, but still not overload at varying conditions, a hard
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> > > - Increased audio line out levels (means better performance with varying
> > sound cards)
> > > - Minor changes to Speech Processor for smoother operation
> > > - Adding push hold function to A>B to transfer settings from main to
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> > Receivers (aids in contesting, dx, and diversity operations, fewer button
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> > > - Added/Fixed serial commands for sub-receiver ATTN and PREAMP
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> > > This is just a bit of what has changed. The other part that has happened

> > in all of this is making the rig even more reliable and mature. Had the
> > beta test team identify what they thought were the most nagging annoyances
> > and worked on those as well. So, better performance from both a reliability
> > standpoint and from a operational receiver quality standpoint.
> > >
> > > A new level in receiver performance and features for the Orion(s). As
> > TenTec is committed to doing.
> > >
> > > Hope this helps,
> > > John
> > >
> > >
> > > --- In orion565@yahoogroups.com, "radiomike_58" <mjbates@> wrote:
> > > >
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> > > > Hi John,
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> > am wondering how the improvements will affect the rig? What new features
> > will there be and how are the specifications improved?
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> > > > I am eagerly awaiting the new v3 and RX 366 combo. Keep up the good
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> > > > > Hi Andrew,
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> > > > > Yes, more reliability, several enhancements, new features, one will
> > help you copy signals that you couldn't discern on previous builds or other
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> > > > >
> > > > > John
> > > > >
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> > > > > --- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@> wrote:
> > > > > >
> > > > > > Hi John.
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> > > > > >
> > > > > > Anything new brewing for firmware upgrade for the 566?
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> > > > > > Thanks, and 73
> > > > > >
> > > > > > Andrew K6STN
> > > > > >

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> [Non-text portions of this message have been removed]
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7518. Orion II performance videos

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-27 06:09:47 UTC
From: billw5ao
Topic: 7518 Message: 7518

I have posted a few performance videos showing Orion II functions under different circumstances for your viewing pleasure.

http://www.youtube.com/user/3cx800

7519. Re: [orion565] Re: RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-27 14:06:50 UTC
From: Sam W Jacobs CET
Topic: 7459 Message: 7519

I take it V3 will be for the ORION II, not the Orion I ?
Also, is it possible to take the TX Filter BW higher than 3900 Hz (current limit) ??
When we are running eSSB late at night, I hear the Flex Radios running at 6 KHz and they come close to FM in sound.
The Kenwood's can also be increased.

I can't see why the ORION II's can't be programmed to do the same.

Thanks,
Sam

(also requested more control over screen colors and schemes)

From: Richard <wn9ddv@...>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Sent: Thursday, January 26, 2012 10:11 AM
Subject: Re: [orion565] Re: RX366 and V3 firmware

After having the Orion II for a few months I have concluded it is the best radio I have ever owned. These improvements will make the best better!

C. Richard Pumphrey
wn9ddv

NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

On Jan 25, 2012, at 11:23 PM, "radiomike_58" <mjbates@...> wrote:

>
> Hello John,
>
> Thanks for the information, this sounds great, sounds like a new radio!! I am eagerly awaiting the availability of the new software, and the RX-366. Thanks to all involved in making this upgrade possible. From the info gleaned here from a couple of Beta Testers, on this group, it sounds like a dramatic improvement in the Orion. I am curious, does the software re design bring about any improvement in measured Dynamic Range, Noise floor or other specifications of the receiver?, or are these solely determined by the hardware? I would be interested to know the difference in the specs between the new sub receiver(RX-366) and the existing Main RX in the Orion.
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> Thanks again and keep up the good work!!
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> 73,

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> Mike KA0KLQ
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> > There are a few other items added, will include in the official V3 intro doc. (still working on it)
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> > This is just a bit of what has changed. The other part that has happened in all of this is making the rig even more reliable and mature. Had the beta test team identify what they thought were the most nagging annoyances and worked on those as well. So, better performance from both a reliability standpoint and from a operational receiver quality standpoint.
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> > Hope this helps,
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> > > I am eagerly awaiting the new v3 and RX 366 combo. Keep up the good work.
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7520. Re: [orion565] Re: RX366 and V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-27 14:19:50 UTC
From: Barry N1EU
Topic: 7459 Message: 7520

v3 versions for both the Orion and Orion II should be released simultaneously. I suspect that there will be more alignment of firmware development on the two rigs going forward

I've heard of no plans to increase the ssb tx bandwidth. If I recall correctly, the max tx bandwidth actually measured about 3.3Khz last time I measured it.

Personally, I'd rather see the ability to increase the AM tx bandwidth - AM tx audio is currently fixed at 3Khz bandwidth. While we're pipe dreaming, why not increase the max AM rx (and tx) bandwidth to 15Khz to match that nice wide RX366 15Khz roofing filter?

Barry N1EU

On Fri, Jan 27, 2012 at 2:06 PM, Sam W Jacobs CET <Sam@k3sam.com> wrote:

> **
>
>
> I take it V3 will be for the ORION II, not the Orion I ?
> Also, is it possible to take the TX Filter BW higher than 3900 Hz (current
> limit) ??
> When we are running eSSB late at night, I hear the Flex Radios running at
> 6 KHz and they come close to FM in sound.
> The Kenwood's can also be increased.
>
> I can't see why the ORION II's can't be programmed to do the same.
>
> Thanks,
> Sam
>
> (also requested more control over screen colors and schemes)
>
> _____
> From: Richard <wn9ddv@...>
> To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
> Sent: Thursday, January 26, 2012 10:11 AM
> Subject: Re: [orion565] Re: RX366 and V3 firmware
>
>
>
>
>
> After having the Orion II for a few months I have concluded it is the best
> radio I have ever owned. These improvements will make the best better!
>

> C. Richard Pumphrey
> wn9ddv
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> Had the beta test team identify what they thought were the most nagging
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7521. RX366, v3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-29 18:01:30 UTC
From: Barry N1EU
Topic: 7521 Message: 7521

I suspect the v3 firmware will available in a matter of days and the RX366 may start shipping in the same time frame

I've posted a new Web page sharing some thoughts and sound clips on the RX366 and the new "Selective Audio Filtering" feature in the upcoming v3 firmware:

http://n1eu.com/orion/orion_v3.htm

73,
Barry N1EU

7522. ten tec rx366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 01:33:03 UTC
From: k.denief
Topic: 7522 Message: 7522

Called ten tec today availability for rx 366 sub receive may be available in a week or so..
Price quoted for receiver Board $639.00
Pricey !!!

7523. RE: [orion565] ten tec rx366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 01:36:20 UTC
From: George
Topic: 7522 Message: 7523

Yikes $639.00 for the 366 sub RX. Guess my current sub receiver in my O2 will do just fine, hi.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of k.denief
Sent: Monday, January 30, 2012 8:33 PM
To: orion565@yahoogroups.com
Subject: [orion565] ten tec rx366

Called ten tec today availability for rx 366 sub receive may be available in a week or so.. Price quoted for receiver Board $639.00
Pricey !!!

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1901 / Virus Database: 2109/4777 - Release Date: 01/30/12

[Non-text portions of this message have been removed]

7524. Re: [orion565] ten tec rx366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 01:49:30 UTC
From: Pumbaa
Topic: 7522 Message: 7524

Mercedes-Benz cars have pricey parts also. I just use the sub RX in my Orion 2 for when I want to listen to shortwave, CB, broadcast AM, so forth.

Tom AG8K

From: George
Sent: Monday, January 30, 2012 7:36 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] ten tec rx366

Yikes $639.00 for the 366 sub RX. Guess my current sub receiver in my O2 will do just fine, hi.

[Non-text portions of this message have been removed]

7525. Re: [orion565] ten tec rx366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 02:09:39 UTC
From: TroyW6HV
Topic: 7522 Message: 7525

Adding the three filters with shipping makes it over $1000.
About twice what I wished.

Troy, W6HV

-----Original Message-----
From: Pumbaa
Sent: Monday, January 30, 2012 5:49 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] ten tec rx366

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Orion 2 for when I want to listen to shortwave, CB, broadcast AM, so forth.

Tom AG8K

From: George
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

7526. Re: ten tec rx366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 06:57:18 UTC
From: storygene
Topic: 7522 Message: 7526

Good to know the expected ship date k.denief, thanks. And I think the price you noted is very reasonable. The KRX3 2nd receiver card for an ELECRAFT K3 by the way, is actually a bit more.

Gene / K7TXO

--- In orion565@yahoogroups.com, "k.denief" <k.denief@...> wrote:
>
> Called ten tec today availability for rx 366 sub receive may be available in a week or so.. Price quoted for receiver Board $639.00
> Pricey !!!
>

7527. Re: ten tec rx366 price

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 13:11:56 UTC
From: PAUL
Topic: 7527 Message: 7527

Same as Elecraft. 73 Paul

[Non-text portions of this message have been removed]

7528. Re: ten tec rx366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 13:48:30 UTC
From: eric_rosenberg
Topic: 7522 Message: 7528

When making a decision as whether to go ahead with an enhancement or upgrade to your existing station, comes down to need and value.

If you are a contester or DXer, the RX366 will be a welcome addition. Having two matched, high performance receivers is a significant plus when it comes to operating both in a messy (i.e., crowded) band and one populated with weak signals, where diversity reception makes the difference between hearing the other station and making the QSO.

Another misconception. You do *not* need additional filters to effectively use the RX366. The DSP code is extremely good.

Regardless of whether or not you purchase the RX366, you owe it to yourself to install the new version 3 firmware when it released. You will be impressed by the scope of the enhancements, modifications, and fixes that were made, all in response to requests from the existing and potential user communities.

From my perspective as a Ten Tec (and Elecraft and Yaesu) user and a volunteer beta tester for a long time, both the version 3 firmware and the RX366 high performance receiver mark the re-introduction of the the Orion 565 and Orion 566 to the ham radio marketplace.

Eric W3DQ
Washington, DC

--- In orion565@yahoogroups.com, "storygene" <k7txo@...> wrote:
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> > Pricey !!!
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>

7529. Re: [orion565] Re: ten tec rx366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 14:12:39 UTC
From: Richard
Topic: 7522 Message: 7529

Help me. So the filters, like 1.8, that are already on the radio, work on just the main receiver?

C. Richard Pumphrey

NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

On Jan 31, 2012, at 8:48 AM, "eric_rosenberg" <ericrosenberg.dc@...> wrote:

>
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>
> If you are a contester or DXer, the RX366 will be a welcome addition. Having two matched, high performance receivers is a significant plus when it comes to operating both in a messy (i.e., crowded) band and one populated with weak signals, where diversity reception makes the difference between hearing the other station and making the QSO.
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> Eric W3DQ
> Washington, DC
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[Non-text portions of this message have been removed]

7530. Re: [orion565] Re: ten tec rx366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 14:49:29 UTC
From: Barry N1EU
Topic: 7522 Message: 7530

I agree with everything Eric said, except I'd recommend a narrow cw filter
for serious cw contesters and dx'ers. It will significantly improve
close-in (<2Khz) IMD performance.

73, Barry N1EU

On Tue, Jan 31, 2012 at 1:48 PM, eric_rosenberg
<ericrosenberg.dc@...>wrote:

> **
>
>
>
>
> When making a decision as whether to go ahead with an enhancement or
> upgrade to your existing station, comes down to need and value.
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> If you are a contester or DXer, the RX366 will be a welcome addition.
> Having two matched, high performance receivers is a significant plus when
> it comes to operating both in a messy (i.e., crowded) band and one
> populated with weak signals, where diversity reception makes the difference
> between hearing the other station and making the QSO.
>
> Another misconception. You do *not* need additional filters to effectively
> use the RX366. The DSP code is extremely good.
>
> Regardless of whether or not you purchase the RX366, you owe it to
> yourself to install the new version 3 firmware when it released. You will
> be impressed by the scope of the enhancements, modifications, and fixes
> that were made, all in response to requests from the existing and potential
> user communities.
>
> From my perspective as a Ten Tec (and Elecraft and Yaesu) user and a
> volunteer beta tester for a long time, both the version 3 firmware and the
> RX366 high performance receiver mark the re-introduction of the the Orion
> 565 and Orion 566 to the ham radio marketplace.
>
> Eric W3DQ
> Washington, DC
>
> --- In orion565@yahoogroups.com, "storygene" <k7txo@...> wrote:
> >
> > Good to know the expected ship date k.denief, thanks. And I think the
> price you noted is very reasonable. The KRX3 2nd receiver card for an
> ELECRAFT K3 by the way, is actually a bit more.
> >

> > Gene / K7TXO
> >
> >
> > --- In orion565@yahoogroups.com, "k.denief" <k.denief@> wrote:
> > >
> > > Called ten tec today availability for rx 366 sub receive may be
> available in a week or so.. Price quoted for receiver Board $639.00
> > > Pricey !!!
> > >
> >
>
>
>

[Non-text portions of this message have been removed]

7531. RE: [orion565] Re: ten tec rx366 price

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 14:57:53 UTC
From: Martin Sole
Topic: 7527 Message: 7531

I think that's a fair price in any case. Just the other week I was mentioning it to a friend, I said $500, he said $1000, seems we were both wrong, or right. Now how about a new processor board with several GB of memory and enough power to really show off the RF capabilities. Yeah I know I dream.

Will be interesting to see the reviews in due course

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of PAUL
Sent: 31 January 2012 20:12
To: orion565@yahoogroups.com
Subject: [orion565] Re: ten tec rx366 price

Same as Elecraft. 73 Paul

[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1901 / Virus Database: 2109/4777 - Release Date: 01/30/12

7532. Re: [orion565] Re: ten tec rx366 price

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 15:39:26 UTC
From: Barry N1EU
Topic: 7527 Message: 7532

On Tue, Jan 31, 2012 at 2:57 PM, Martin Sole <hs0zed@...> wrote:

> **
>
> Will be interesting to see the reviews in due course
>
>
http://www.eham.net/reviews/review/107394

[Non-text portions of this message have been removed]

7533. New Products.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 18:32:55 UTC
From: John
Topic: 7533 Message: 7533

Back at the 12th annual Hamfest, TenTec announced several new products that we would have in production, for sale, late 2011 and early 2012.

Today, I am pleased to announce that we have met our goals on the following:

Model RX366 High Performance ASR Sub-Receiver for the Orion Model 565 and Orion II Model 566. This is a new contest grade second receiver for the 565 and 566 Orion series of transceivers. This new second receiver uses ASR (Advanced Signal Reception) technology like what is already a proven winner in the Eagle to provide a great enhancement to the rig. The RX366, requires the new V3 Orion 565 and Orion II 566 firmware. With V3 installed and the RX366 installed, the Orion(s) now have vastly superior performance to the original sub-receiver in terms of immunity to interference from adjacent strong signals and immunity to overloading from very strong signals present on the band. Your Orion 565 and Orion II 566 have never worked so well before.
Price = $639.00
(1 2.4kHz filter included)

Model 717 - Microphone Equalizer / Audio Interface. The 717 will allow you to connect new dynamic microphones, such as the Regal Model 707 Desk Microphone to older rigs that required a higher microphone input level such as from an electric mic element.
The unit works with Icom, Yaesu, Kenwood as well as older Ten-Tec transceivers using 4 or 8 pin circular microphone connectors. Now you can use the rally cool Regal Model 707 Microphone with an older Ten-Tec rig such as an OMNI-VII. You can tweak the actions of hi and low frequencies to meet your needs.
Price = $119.00

Model 318 Amplifier Key Interface. The 318 will allow you to dial in a delay when you connect older linear amplifiers to your transceiver. This will be useful if the amplifier is not designed for full break-in. An excellent seamless add-on for Eagle users who want to adjust the transmitted output to work with older amplifiers. Adaptable to almost any transceiver.
Price = $89.00

Note: V3 firmware for the 565 and 566 is in the process of getting bundled up and placed on the internet. Estimate for V3 release and posting is by 5pm EST Tuesday.

Best Regards,
John Henry
TenTec Inc.

7534. Re: New Products.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 18:37:31 UTC
From: John
Topic: 7533 Message: 7534

Correction, In the Model 717 description, I meant to refer to the older transceiver, OMNI-VI, NOT the OMNI-VII. The OMNI-VII is far from old.

--- In orion565@yahoogroups.com, "John" <jhenry@...> wrote:
>
> Back at the 12th annual Hamfest, TenTec announced several new products that we would have in production, for sale, late 2011 and early 2012.
>
> Today, I am pleased to announce that we have met our goals on the following:
>
> Model RX366 High Performance ASR Sub-Receiver for the Orion Model 565 and Orion II Model 566. This is a new contest grade second receiver for the 565 and 566 Orion series of transceivers. This new second receiver uses ASR (Advanced Signal Reception) technology like what is already a proven winner in the Eagle to provide a great enhancement to the rig. The RX366, requires the new V3 Orion 565 and Orion II 566 firmware. With V3 installed and the RX366 installed, the Orion(s) now have vastly superior performance to the original sub-receiver in terms of immunity to interference from adjacent strong signals and immunity to overloading from very strong signals present on the band. Your Orion 565 and Orion II 566 have never worked so well before.
> Price = $639.00
> (1 2.4kHz filter included)
>
> Model 717 - Microphone Equalizer / Audio Interface. The 717 will allow you to connect new dynamic microphones, such as the Regal Model 707 Desk Microphone to older rigs that required a higher microphone input level such as from an electric mic element.
> The unit works with Icom, Yaesu, Kenwood as well as older Ten-Tec transceivers using 4 or 8 pin circular microphone connectors. Now you can use the rally cool Regal Model 707 Microphone with an older Ten-Tec rig such as an OMNI-VII. You can tweak the actions of hi and low frequencies to meet your needs.
> Price = $119.00
>
> Model 318 Amplifier Key Interface. The 318 will allow you to dial in a delay when you connect older linear amplifiers to your transceiver. This will be useful if the amplifier is not designed for full break-in. An excellent seamless add-on for Eagle users who want to adjust the transmitted output to work with older amplifiers. Adaptable to almost any transceiver.
> Price = $89.00
>
> Note: V3 firmware for the 565 and 566 is in the process of getting bundled up and placed on the internet. Estimate for V3 release and posting is by 5pm EST Tuesday.
>
> Best Regards,
> John Henry
> TenTec Inc.
>

7536. Orion 565 V3.025 is uploaded

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 21:37:14 UTC
From: John
Topic: 7536 Message: 7536

Look for it on
www.tentec.com
hover over Downloads,
click on Transceiver Downloads
scroll down to the 565 section.

565-setup is on the right hand side.

Enjoy
Working on the 566 installer now, may not make it tonight, worst case it will be up Wednesday Morning.

John

7537. Where to get the update program?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 22:28:55 UTC
From: floydsense
Topic: 7537 Message: 7537

I was just reading the info on updating the firmware in preparation for the V3 update for the Orion II. All instructions seem to assume that everyone has done an update previously and talks about running the Update Program. I don't see this program available at the Tentec site for download - is it included in the firmware .exe file?

73, K8AC

7538. Re: [orion565] Where to get the update program?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 22:38:13 UTC
From: Barry N1EU
Topic: 7537 Message: 7538

Yes, included

On Tue, Jan 31, 2012 at 10:28 PM, floydsense <floyd@...> wrote:

> **
>
>
> I was just reading the info on updating the firmware in preparation for
> the V3 update for the Orion II. All instructions seem to assume that
> everyone has done an update previously and talks about running the Update
> Program. I don't see this program available at the Tentec site for download
> - is it included in the firmware .exe file?
>
> 73, K8AC
>
>
>

[Non-text portions of this message have been removed]

7539. Is the RX366 Ham band only ?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 22:39:36 UTC
From: z
Topic: 7539 Message: 7539

I noticed on the TT website that the RX366 is specified as a 160-10 Ham Band only. Is is the web site wrong or do we lose general coverage reception with this new board ?

KD4JP

7540. Re: [orion565] Is the RX366 Ham band only ?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 22:48:03 UTC
From: Barry N1EU
Topic: 7539 Message: 7540

RX366 works on general coverage using vfoB - I don't know all the
specifics, but I just tried it and I'm listening to SWBC stations on 9400Khz

Barry N1EU

On Tue, Jan 31, 2012 at 10:39 PM, z <dick221z@...> wrote:

> **
>
>
> I noticed on the TT website that the RX366 is specified as a 160-10 Ham
> Band only. Is is the web site wrong or do we lose general coverage
> reception with this new board ?
>
> KD4JP
>
>
>

[Non-text portions of this message have been removed]

7541. Orion vs Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 22:59:12 UTC
From: John M
Topic: 7541 Message: 7541

Except for the display are there other what one may consider major differences between the two? I am thinking of buying a used OrionI.

73, John N1JM

7542. RE: [orion565] Is the RX366 Ham band only ?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 23:11:05 UTC
From: Robert Carroll
Topic: 7539 Message: 7542

Barry-

What is your impression of the RX366 as an SWL receiver. I assume it is just as good for ham use as the Orion main receiver, but I'd appreciate your comments. It is a little pricey but a cheap way for me to upgrade. I think you are still using an Orion "I" as I am. I haven't looked at the Orion diagram in a long time, but at first guess I wonder a little about the filter setup? I more or less assume you don't need to duplicate any of the filters, but can you confirm this?

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Tuesday, January 31, 2012 5:48 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Is the RX366 Ham band only ?

RX366 works on general coverage using vfoB - I don't know all the
specifics, but I just tried it and I'm listening to SWBC stations on 9400Khz

Barry N1EU

On Tue, Jan 31, 2012 at 10:39 PM, z <dick221z@... <mailto:dick221z%40yahoo.com> > wrote:

> **
>
>
> I noticed on the TT website that the RX366 is specified as a 160-10 Ham
> Band only. Is is the web site wrong or do we lose general coverage
> reception with this new board ?
>
> KD4JP
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7543. Re: [orion565] New Products.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-01-31 23:52:18 UTC
From: Larry Menzel
Topic: 7533 Message: 7543

John, is the RX366 field upgradeable, or must we send our radios to Sieverville?'

Larry, W0PR

I want to do this with my 566 asap.

On Tue, Jan 31, 2012 at 12:32 PM, John <jhenry@...> wrote:

> **
>
>
> Back at the 12th annual Hamfest, TenTec announced several new products
> that we would have in production, for sale, late 2011 and early 2012.
>
> Today, I am pleased to announce that we have met our goals on the
> following:
>
> Model RX366 High Performance ASR Sub-Receiver for the Orion Model 565 and
> Orion II Model 566. This is a new contest grade second receiver for the 565
> and 566 Orion series of transceivers. This new second receiver uses ASR
> (Advanced Signal Reception) technology like what is already a proven winner
> in the Eagle to provide a great enhancement to the rig. The RX366, requires
> the new V3 Orion 565 and Orion II 566 firmware. With V3 installed and the
> RX366 installed, the Orion(s) now have vastly superior performance to the
> original sub-receiver in terms of immunity to interference from adjacent
> strong signals and immunity to overloading from very strong signals present
> on the band. Your Orion 565 and Orion II 566 have never worked so well
> before.
> Price = $639.00
> (1 2.4kHz filter included)
>
> Model 717 - Microphone Equalizer / Audio Interface. The 717 will allow you
> to connect new dynamic microphones, such as the Regal Model 707 Desk
> Microphone to older rigs that required a higher microphone input level such
> as from an electric mic element.
> The unit works with Icom, Yaesu, Kenwood as well as older Ten-Tec
> transceivers using 4 or 8 pin circular microphone connectors. Now you can
> use the rally cool Regal Model 707 Microphone with an older Ten-Tec rig
> such as an OMNI-VII. You can tweak the actions of hi and low frequencies to
> meet your needs.
> Price = $119.00
>
> Model 318 Amplifier Key Interface. The 318 will allow you to dial in a
> delay when you connect older linear amplifiers to your transceiver. This
> will be useful if the amplifier is not designed for full break-in. An

> excellent seamless add-on for Eagle users who want to adjust the
> transmitted output to work with older amplifiers. Adaptable to almost any
> transceiver.
> Price = $89.00
>
> Note: V3 firmware for the 565 and 566 is in the process of getting bundled
> up and placed on the internet. Estimate for V3 release and posting is by
> 5pm EST Tuesday.
>
> Best Regards,
> John Henry
> TenTec Inc.
>
>
>

[Non-text portions of this message have been removed]

7544. Re: [orion565] Is the RX366 Ham band only ?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 00:08:52 UTC
From: Barry N1EU
Topic: 7539 Message: 7544

Bob, before I did that 30 second test, I had never listened to SW on the RX366. I would suggest you pose the question to the Eagle forum on Yahoo groups.

I don't understand the question about needing to duplicate any filters ??? The two receivers are completely independent and having filters in one doesn't obviate the need to have filters in the other.

If you meant this to be private communication, please email me back directly.

73, Barry N1EU

On Tue, Jan 31, 2012 at 11:11 PM, Robert Carroll <w2wg@...> wrote:

> **
>
>
> Barry-
>
> What is your impression of the RX366 as an SWL receiver. I assume it is
> just as good for ham use as the Orion main receiver, but I'd appreciate
> your comments. It is a little pricey but a cheap way for me to upgrade. I
> think you are still using an Orion "I" as I am. I haven't looked at the
> Orion diagram in a long time, but at first guess I wonder a little about
> the filter setup? I more or less assume you don't need to duplicate any of
> the filters, but can you confirm this?
>
> Bob W2WG
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf Of Barry N1EU
> Sent: Tuesday, January 31, 2012 5:48 PM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Is the RX366 Ham band only ?
>
>
>
> RX366 works on general coverage using vfoB - I don't know all the
> specifics, but I just tried it and I'm listening to SWBC stations on
> 9400Khz
>
> Barry N1EU
>
> On Tue, Jan 31, 2012 at 10:39 PM, z <dick221z@yahoo.com <mailto:
> dick221z%40yahoo.com> > wrote:
>

> > **
>
> >
> >
> > I noticed on the TT website that the RX366 is specified as a 160-10 Ham
> > Band only. Is is the web site wrong or do we lose general coverage
> > reception with this new board ?
> >
> > KD4JP
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

7545. Re: [orion565] New Products.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 00:09:41 UTC
From: Barry N1EU
Topic: 7533 Message: 7545

easy install

On Tue, Jan 31, 2012 at 11:52 PM, Larry Menzel <retire@means.net> wrote:
> John, is the RX366 field upgradeable, or must we send our radios to
> Sieverville?'
>
> Larry, W0PR
>
> I want to do this with my 566 asap.
>
>
> On Tue, Jan 31, 2012 at 12:32 PM, John <jhenry@...> wrote:
>
>> **
>>
>>
>> Back at the 12th annual Hamfest, TenTec announced several new products
>> that we would have in production, for sale, late 2011 and early 2012.
>>
>> Today, I am pleased to announce that we have met our goals on the
>> following:
>>
>> Model RX366 High Performance ASR Sub-Receiver for the Orion Model 565 and
>> Orion II Model 566. This is a new contest grade second receiver for the 565
>> and 566 Orion series of transceivers. This new second receiver uses ASR
>> (Advanced Signal Reception) technology like what is already a proven winner
>> in the Eagle to provide a great enhancement to the rig. The RX366, requires
>> the new V3 Orion 565 and Orion II 566 firmware. With V3 installed and the
>> RX366 installed, the Orion(s) now have vastly superior performance to the
>> original sub-receiver in terms of immunity to interference from adjacent
>> strong signals and immunity to overloading from very strong signals present
>> on the band. Your Orion 565 and Orion II 566 have never worked so well
>> before.
>> Price = $639.00
>> (1 2.4kHz filter included)
>>
>> Model 717 - Microphone Equalizer / Audio Interface. The 717 will allow you
>> to connect new dynamic microphones, such as the Regal Model 707 Desk
>> Microphone to older rigs that required a higher microphone input level such
>> as from an electric mic element.
>> The unit works with Icom, Yaesu, Kenwood as well as older Ten-Tec
>> transceivers using 4 or 8 pin circular microphone connectors. Now you can
>> use the rally cool Regal Model 707 Microphone with an older Ten-Tec rig
>> such as an OMNI-VII. You can tweak the actions of hi and low frequencies to
>> meet your needs.

>> Price = $119.00
>>
>> Model 318 Amplifier Key Interface. The 318 will allow you to dial in a
>> delay when you connect older linear amplifiers to your transceiver. This
>> will be useful if the amplifier is not designed for full break-in. An
>> excellent seamless add-on for Eagle users who want to adjust the
>> transmitted output to work with older amplifiers. Adaptable to almost any
>> transceiver.
>> Price = $89.00
>>
>> Note: V3 firmware for the 565 and 566 is in the process of getting bundled
>> up and placed on the internet. Estimate for V3 release and posting is by
>> 5pm EST Tuesday.
>>
>> Best Regards,
>> John Henry
>> TenTec Inc.
>>
>>
>>
>
>
> [Non-text portions of this message have been removed]
>
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> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>

7546. RX366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 00:33:19 UTC
From: Marty Young
Topic: 7546 Message: 7546

In preparation for my order next week of a new Orion 2 I asked about shipping the unit with the new RX366 preinstalled, if there was a difference in price. (hoping maybe it would be the new standard 2nd RX. No dice) Per Stuart, they will knock off $150 from the $639 price if you order this option from the get go. So new, the O2 ordered with the RX366 is $4295.00 + $489.00 + whatever else you want. Its something.

Marty / W4MY

----------"If a man speaks in the forest and there are no woman around to hear him, is he still wrong?"

[Non-text portions of this message have been removed]

7547. Re: Orion 565 V3.025 is uploaded [installed on 565 via XP on OSX]

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 00:34:07 UTC
From: storygene
Topic: 7536 Message: 7547

Downloaded and installed V3 firmware on my 565 Orion. Easy as pie.

Windows XP Pro w/Svc Pk 3 riding on Parallels 4 with OSX 10.6.8

Old Radio Shack USB to Serial to standard serial cable and original driver.

SAF on AM - WOW Nice!

Anyway, for those of you running Mac's, at least with XP it installed without a hitch. Did I say WOW? Will need to flog it more of course but WOW. Off to CW I go now. Tnx John

Gene / K7TXO

Will have to

--- In orion565@yahoogroups.com, "John" <jhenry@...> wrote:
>
> Look for it on
> www.tentec.com
> hover over Downloads,
> click on Transceiver Downloads
> scroll down to the 565 section.
>
> 565-setup is on the right hand side.
>
> Enjoy
> Working on the 566 installer now, may not make it tonight, worst case it will be up Wednesday Morning.
>
> John
>

7548. Re: [orion565] Re: Orion 565 V3.025 is uploaded [installed on 565 via XP on OSX]

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 00:50:32 UTC
From: Barry N1EU
Topic: 7536 Message: 7548

Interesting comment Gene - I also discovered that SAF works great on weaker AM signals.

Barry N1EU

On Wed, Feb 1, 2012 at 12:34 AM, storygene <k7txo@...> wrote:

> **
>
>
> Downloaded and installed V3 firmware on my 565 Orion. Easy as pie.
>
> Windows XP Pro w/Svc Pk 3 riding on Parallels 4 with OSX 10.6.8
>
> Old Radio Shack USB to Serial to standard serial cable and original driver.
>
> SAF on AM - WOW Nice!
>
> Anyway, for those of you running Mac's, at least with XP it installed
> without a hitch. Did I say WOW? Will need to flog it more of course but
> WOW. Off to CW I go now. Tnx John
>
> Gene / K7TXO
>
> Will have to
>
> --- In orion565@yahoogroups.com, "John" <jhenry@...> wrote:
> >
> > Look for it on
> > www.tentec.com
> > hover over Downloads,
> > click on Transceiver Downloads
> > scroll down to the 565 section.
> >
> > 565-setup is on the right hand side.
> >
> > Enjoy
> > Working on the 566 installer now, may not make it tonight, worst case it
> will be up Wednesday Morning.
> >
> > John
> >
>
>

>

[Non-text portions of this message have been removed]

7549. Re: [orion565] Orion vs Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 00:59:15 UTC
From: tnnyswy@yahoo.com
Topic: 7541 Message: 7549

John, this is from a previous post, and is the opinion of someone else.

http://us.mg4.mail.yahoo.com/neo/launch?.rand=d8nl3mss0bs0m#
N'joy!

(((73))) Milverton.

>_____
> From: John M <johnn1jm@...>
>To: orion565@yahoogroups.com
>Sent: Tuesday, January 31, 2012 4:59 PM
>Subject: [orion565] Orion vs Orion II
>
>
>
>Except for the display are there other what one may consider major differences between the two? I am thinking of buying a used OrionI.
>
>73, John N1JM
>
>
>
>
>

[Non-text portions of this message have been removed]

7550. Re: [orion565] Orion vs Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 01:06:24 UTC
From: John Merrill
Topic: 7541 Message: 7550

Link didn't work. Took me to my seldom used Yahoo mail in box.

John N1JM

On Jan 31, 2012, at 5:59 PM, tnnyswy@... wrote:

> John, this is from a previous post, and is the opinion of someone else.
>
> http://us.mg4.mail.yahoo.com/neo/launch?.rand=d8nl3mss0bs0m#
> N'joy!
>
> (((73))) Milverton.
>
> >_____
> > From: John M <johnn1jm@...>
> >To: orion565@yahoogroups.com
> >Sent: Tuesday, January 31, 2012 4:59 PM
> >Subject: [orion565] Orion vs Orion II
> >
> >
> >
> >Except for the display are there other what one may consider major differences between the two? I am thinking of buying a used OrionI.
> >
> >73, John N1JM
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

7551. Re: [orion565] Orion vs Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 01:07:06 UTC
From: tnnyswy@yahoo.com
Topic: 7541 Message: 7551

OOOPS! wrong link.

>_____
> From: "tnnyswy@yahoo.com" <tnnyswy@...>
>To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
>Sent: Tuesday, January 31, 2012 6:59 PM
>Subject: Re: [orion565] Orion vs Orion II
>
>
>
>John, this is from a previous post, and is the opinion of someone else.
>
>http://us.mg4.mail.yahoo.com/neo/launch?.rand=d8nl3mss0bs0m#
>N'joy!
>
>(((73))) Milverton.
>
>>_____
>> From: John M <johnn1jm@...>
>>To: orion565@yahoogroups.com
>>Sent: Tuesday, January 31, 2012 4:59 PM
>>Subject: [orion565] Orion vs Orion II
>>
>>
>>
>>Except for the display are there other what one may consider major differences between the two? I am thinking of buying a used OrionI.
>>
>>73, John N1JM
>>
>>
>>
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7552. Re: [orion565] Re: Orion 565 V3.025 is uploaded [installed on 565 via Win 7]

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 01:08:11 UTC
From: Martin
Topic: 7536 Message: 7552

Congrats & thanks, T-T!

Downloaded and installed V3 firmware on my 565 Orion using Windows 7.
Very easy. Tried to work very hardly readable HK0NA. After SAF it was
easy to read and finished my QSO within 5 minutes.

How I missed a Linux installer!

I operate almost only CW.

73
Martin, OK1RR

Dne 1.2.2012 01:34, storygene napsal(a):
> Downloaded and installed V3 firmware on my 565 Orion. Easy as pie.
>
> Windows XP Pro w/Svc Pk 3 riding on Parallels 4 with OSX 10.6.8
>
> Old Radio Shack USB to Serial to standard serial cable and original driver.
>
> SAF on AM - WOW Nice!
>
> Anyway, for those of you running Mac's, at least with XP it installed without a hitch.
Did I say WOW? Will need to flog it more of course but WOW. Off to CW I go now. Tnx John
>
> Gene / K7TXO
>
>
>
> Will have to
>
> --- In orion565@yahoogroups.com, "John"<jhenry@...> wrote:
>>
>> Look for it on
>> www.tentec.com
>> hover over Downloads,
>> click on Transceiver Downloads
>> scroll down to the 565 section.
>>
>> 565-setup is on the right hand side.
>>
>> Enjoy
>> Working on the 566 installer now, may not make it tonight, worst case it will be up
Wednesday Morning.
>>

>> John
>>
>
>
>

7553. Re: [orion565] Orion vs Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 01:20:41 UTC
From: tnnyswy@yahoo.com
Topic: 7541 Message: 7553

Sorry about that John!
Here is a COPY of the remark.

>>>>> Hi Ron ... At one time or another I have had the OmniVII, the OrionI and I now own an OrionII. Having had an opportunity to try all three, I have an opinion but it will probably be different than many other hams that will write you but here's what I found. The OmniVII is OK but I was not impressed with the receive audio and since that's what I get from the radio, I did not keep it very long. It's pretty though! Next, I got a great deal on an OrionI and that is a real radio. It was probably the best radio that I have ever had. I could find little fault with it except the display was not impressive. I contacted TT and ask about the blue/silver display that they have on the Jupiter and surprisingly it IS available for the OrionI and the cost is only $150 plus installation labor. That would have made a huge difference! About a month ago I ordered an OrionII and it really has it all, including a big price. I do not see much difference in the operation of the I and II except the display and TT was very honest at telling me what I would find. The OrionII will never leave my shack! BUT if I had it to do all over again I would find a nice, well adorned, OrionI and have that new display put on and with the money left over, I would take a nice vacation! I am seeing a lot of OrionI's and they are a bargain!

Larry W8ER <<<<<<

NB. This is the Opinion of Larry.

(((73))) Milverton.

>_____
> From: John Merrill <johnn1jm@...>
>To: orion565@yahoogroups.com
>Sent: Tuesday, January 31, 2012 7:06 PM
>Subject: Re: [orion565] Orion vs Orion II
>
>Link didn't work. Took me to my seldom used Yahoo mail in box.
>
>John N1JM
>
>
>On Jan 31, 2012, at 5:59 PM, tnnyswy@... wrote:
>
>> John, this is from a previous post, and is the opinion of someone else.
>>
>> http://us.mg4.mail.yahoo.com/neo/launch?.rand=d8nl3mss0bs0m#
>> N'joy!

>>
>> (((73))) Milverton.
>>
>> >_____
>> > From: John M <johnn1jm@...>
>> >To: orion565@yahoogroups.com
>> >Sent: Tuesday, January 31, 2012 4:59 PM
>> >Subject: [orion565] Orion vs Orion II
>> >
>> >
>> >
>> >Except for the display are there other what one may consider major differences between the two? I am thinking of buying a used OrionI.
>> >
>> >73, John N1JM
>> >
>> >
>> >
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>> [Non-text portions of this message have been removed]
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7554. Re: Orion vs Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 02:09:47 UTC
From: John M
Topic: 7541 Message: 7554

Milverton:

Thanks. I owned an Orion I about 7 years ago or so. The firmware at the time was buggy and the display sweep wasn't the best to say the least. But with the new receiver option, firmware and the ability to add an external Panadapter, I'm looking for a used Orion I, as it appears the receiver and transmitter circuits are near the same.

John N1JM

--- In orion565@yahoogroups.com, tnnyswy@... wrote:
>
> Sorry about that John!
> Here is a COPY of the remark.
>
> >>>>> Hi Ron ... At one time or another I have had the OmniVII, the OrionI and
> I now own an OrionII. Having had an opportunity to try all three, I have
> an opinion but it will probably be different than many other hams that
> will write you but here's what I found. The OmniVII is OK but I was not
> impressed with the receive audio and since that's what I get from the
> radio, I did not keep it very long. It's pretty though! Next, I got a
> great deal on an OrionI and that is a real radio. It was probably the
> best radio that I have ever had. I could find little fault with it
> except the display was not impressive. I contacted TT and ask about the
> blue/silver display that they have on the Jupiter and surprisingly it IS
> available for the OrionI and the cost is only $150 plus installation
> labor. That would have made a huge difference! About a month ago I
> ordered an OrionII and it really has it all, including a big price. I do
> not see much difference in the operation of the I and II except the
> display and TT was very honest at telling me what I would find. The
> OrionII will never leave my shack! BUT if I had it to do all over again
> I would find a nice, well adorned, OrionI and have that new display put
> on and with the money left over, I would take a nice vacation! I am
> seeing a lot of OrionI's and they are a bargain!
>
> Larry W8ER <<<<<<
>
> NB. This is the Opinion of Larry.
>
> (((73))) Milverton.
>
>
>
>
>
> >_____
> > From: John Merrill <johnn1jm@...>

> >To: orion565@yahoogroups.com
> >Sent: Tuesday, January 31, 2012 7:06 PM
> >Subject: Re: [orion565] Orion vs Orion II
> >
> >Link didn't work. Took me to my seldom used Yahoo mail in box.
> >
> >John N1JM
> >
> >
> >On Jan 31, 2012, at 5:59 PM, tnnyswy@... wrote:
> >
> >> John, this is from a previous post, and is the opinion of someone else.
> >>
> >> http://us.mg4.mail.yahoo.com/neo/launch?.rand=d8nl3mss0bs0m#
> >> N'joy!
> >>
> >> (((73))) Milverton.
> >>
> >> >_________________________________
> >> > From: John M <johnn1jm@...>
> >> >To: orion565@yahoogroups.com
> >> >Sent: Tuesday, January 31, 2012 4:59 PM
> >> >Subject: [orion565] Orion vs Orion II
> >> >
> >> >
> >> >
> >> >Except for the display are there other what one may consider major differences between the two? I am thinking of buying a used OrionI.
> >> >
> >> >73, John N1JM
> >> >
> >> >
> >> >
> >> >
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> >> [Non-text portions of this message have been removed]
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> >Yahoo! Groups Links

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> [Non-text portions of this message have been removed]
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7555. V3 update not successful yet

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 05:02:16 UTC
From: art davis
Topic: 7555 Message: 7555

After loading the new version 3.025 firmware into my 565, doing a master reset and clearing the memories, the radio lights up as it should but stops one step short of going operational. The screen displays the normal TT logo, Version number, date, time, DSP version and goes no further. I have repeated the process with same results. I am upgrading from 2.064x11.

I do not have the RX=366 installed and therefore I select "NO" when asked.

I am going to start all over and download the file again and try again. Any other suggestions?

Tnx, Art N4UC

[Non-text portions of this message have been removed]

7556. Re: [orion565] Is the RX366 Ham band only ?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 06:19:07 UTC
From: K Van Horn
Topic: 7539 Message: 7556

Greetings,
The RX366 does not have the ability to receive the standard USA AM band stations. SO for those of us that like to listen to our local AM broadcast band stations,it is time to buy the CCRANE-2 AM/FM goodtime radio.
Enjoy both receivers,
Kirby,K7EC

From: Barry N1EU
Sent: Tuesday, January 31, 2012 17:08
To: orion565@yahoogroups.com
Subject: Re: [orion565] Is the RX366 Ham band only ?

Bob, before I did that 30 second test, I had never listened to SW on the RX366. I would suggest you pose the question to the Eagle forum on Yahoo groups.

I don't understand the question about needing to duplicate any filters ??? The two receivers are completely independent and having filters in one doesn't obviate the need to have filters in the other.

If you meant this to be private communication, please email me back directly.

73, Barry N1EU

On Tue, Jan 31, 2012 at 11:11 PM, Robert Carroll <mailto:w2wg%40comcast.net> wrote:

> **
>
>
> Barry-
>
> What is your impression of the RX366 as an SWL receiver. I assume it is
> just as good for ham use as the Orion main receiver, but I'd appreciate
> your comments. It is a little pricey but a cheap way for me to upgrade. I
> think you are still using an Orion "I" as I am. I haven't looked at the
> Orion diagram in a long time, but at first guess I wonder a little about
> the filter setup? I more or less assume you don't need to duplicate any of
> the filters, but can you confirm this?
>
> Bob W2WG
>
> From: mailto:orion565%40yahoogroups.com [mailto:mailto:orion565%40yahoogroups.com] On
> Behalf Of Barry N1EU
> Sent: Tuesday, January 31, 2012 5:48 PM
> To: mailto:orion565%40yahoogroups.com
> Subject: Re: [orion565] Is the RX366 Ham band only ?

>
>
> RX366 works on general coverage using vfoB - I don't know all the
> specifics, but I just tried it and I'm listening to SWBC stations on
> 9400Khz
>
> Barry N1EU
>
> On Tue, Jan 31, 2012 at 10:39 PM, z <mailto:dick221z%40yahoo.com <mailto:
> dick221z%40yahoo.com> > wrote:
>
> > **
>
> >
> >
> > I noticed on the TT website that the RX366 is specified as a 160-10 Ham
> > Band only. Is is the web site wrong or do we lose general coverage
> > reception with this new board ?
> >
> > KD4JP
> >
> >
> >
>
> [Non-text portions of this message have been removed]
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7557. Re: [orion565] Is the RX366 Ham band only ?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 09:45:24 UTC
From: Barry N1EU
Topic: 7539 Message: 7557

On Wed, Feb 1, 2012 at 6:19 AM, K Van Horn <k7ec@...> wrote:

> **
>
> The RX366 does not have the ability to receive the standard USA AM band
> stations.
>

Mine sure does

Barry N1EU

[Non-text portions of this message have been removed]

7558. Re: [orion565] V3 update not successful yet

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 11:01:38 UTC
From: Barry N1EU
Topic: 7555 Message: 7558

Are you using a USB serial port adapter? I've heard that some of them can
be problematic.

Barry N1EU

On Wed, Feb 1, 2012 at 5:02 AM, art davis <n4uc@...> wrote:

> **
>
>
>
>
> After loading the new version 3.025 firmware into my 565, doing a master
> reset and clearing the memories, the radio lights up as it should but stops
> one step short of going operational. The screen displays the normal TT
> logo, Version number, date, time, DSP version and goes no further. I have
> repeated the process with same results. I am upgrading from 2.064x11.
>
> I do not have the RX=366 installed and therefore I select "NO" when asked.
>
> I am going to start all over and download the file again and try again.
> Any other suggestions?
>
> Tnx, Art N4UC
>
>
>
> [Non-text portions of this message have been removed]
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7559. Re: V3 update not successful yet

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 13:01:35 UTC
From: pa1ap
Topic: 7555 Message: 7559

Recently I had simillar experience and in my case the cpu battery became bad. It kept on looping after power on, showed all the boot messages and even allowed me to answer yes to the questions raised. But then it looped to the start again.

Your case might be different but that was my experience. replacing the battery fixed it for me and it seems there lifetime is about 6 years.

Can you confirm if you can load a different firmware version which will make the orion operational? If none of the firmware versions will make orion operational it sound logical the battery is flat...

Best regards, onno

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Are you using a USB serial port adapter? I've heard that some of them can
> be problematic.
>
> Barry N1EU
>
> On Wed, Feb 1, 2012 at 5:02 AM, art davis <n4uc@...> wrote:
>
> > **
> > >
> > >
> > >
> > >
> > > After loading the new version 3.025 firmware into my 565, doing a master
> > > reset and clearing the memories, the radio lights up as it should but stops
> > > one step short of going operational. The screen displays the normal TT
> > > logo, Version number, date, time, DSP version and goes no further. I have
> > > repeated the process with same results. I am upgrading from 2.064x11.
> > >
> > > I do not have the RX=366 installed and therefore I select "NO" when asked.
> > >
> > > I am going to start all over and download the file again and try again.
> > > Any other suggestions?
> > >
> > > Tnx, Art N4UC
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
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>
> [Non-text portions of this message have been removed]
>

7562. V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 15:47:08 UTC
From: n9aop2000
Topic: 7514 Message: 7562

HI,
I was just at the TenTec site and I see a download link next to v2.039D but there is no link by V3. Where did you guys find it?
Art, N9AOP

7563. Re: [orion565] V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 16:06:24 UTC
From: Sam W Jacobs CET
Topic: 7514 Message: 7563

It's not up yet for the 566, only the 565.
The "words" are there, but no underline. That should change in an hour or so if John is on time with his predictions (the underline will tell you the link is in place).

73,
Sam
K3SAM

From: n9aop2000 <avidmar@sbcglobal.net>
To: orion565@yahoogroups.com
Sent: Wednesday, February 1, 2012 10:47 AM
Subject: [orion565] V3

HI,
I was just at the TenTec site and I see a download link next to v2.039D but there is no link by V3. Where did you guys find it?
Art, N9AOP

[Non-text portions of this message have been removed]

7564. ORION II - Popping sound on startup

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 16:37:06 UTC
From: w2msj
Topic: 7564 Message: 7564

When I first turn on the ORION II, there is a popping sound in the speaker, the screen flickers and the S meter jumps around. Is this the problem caused by the A9 board filter caps or ???. At first (month ago) there were only a pop or 2 but the symptom seems to be getting worse. This morning it probably lasted about 15 seconds and then stopped. Once stopped it usually does not re-occur until the next time it is turned on. Suggestions?

7565. ORION II popping sound

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 16:38:28 UTC
From: w2msj
Topic: 7565 Message: 7565

Sorry I forgot to sign the original post Lynn Finch, W2MSJ

7567. V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 17:58:18 UTC
From: fverlezza
Topic: 7567 Message: 7567

Question

To install V3 firmware is neccessary to have done the Orion Logic/Dsp modifcation??

Thanks

Filippo

7568. RX366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 18:24:04 UTC
From: Fernando
Topic: 7546 Message: 7568

Hello to all.

I suspect that there will be plenty of the "old" sub-receivers gathering

dust. A shame that it can't be reused or can it ?

Sure would be nice to have some hardware/parts and a cabinet

to make them into a stand alone general coverage receiver that is.

Fernando N2FQ/6
n2fq@...

[Non-text portions of this message have been removed]

7569. Re: [orion565] V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 18:55:30 UTC
From: Barry N1EU
Topic: 7567 Message: 7569

No, but the sweep won't function unless you do the v2 mod. But the rig should work fine in every other way.

That's my understanding anyway.

Barry N1EU

On Wed, Feb 1, 2012 at 5:58 PM, fverlezza <fverlezza@...> wrote:

> **
>
>
> Question
>
> To install V3 firmware is neccessary to have done the Orion Logic/Dsp
> modifcation??
>
> Thanks
>
> Filippo
>
>
>

[Non-text portions of this message have been removed]

7570. Re: [orion565] RX366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 19:00:24 UTC
From: Sam W Jacobs CET
Topic: 7546 Message: 7570

From what I gather the 366 is "ham only" receive, so I won't be swapping mine out, but if they ever make one that is as good as the 366 that is general coverage, I'll think about it.

I see the revised manual for the 566 is posted now, so perhaps it's just a matter of minutes before the software is there too.

From: Fernando <n2fq@sbcglobal.net>
To: orion565@yahoogroups.com
Sent: Wednesday, February 1, 2012 1:24 PM
Subject: [orion565] RX366

Hello to all.

I suspect that there will be plenty of the "old" sub-receivers gathering

dust. A shame that it can't be reused or can it ?

Sure would be nice to have some hardware/parts and a cabinet

to make them into a stand alone general coverage receiver that is.

Fernando N2FQ/6
n2fq@...

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7571. Re: [orion565] RX366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 19:16:55 UTC
From: Barry N1EU
Topic: 7546 Message: 7571

Start thinking Sam

Did you totally miss this recent thread?
http://groups.yahoo.com/group/orion565/message/7539

Barry N1EU

On Wed, Feb 1, 2012 at 7:00 PM, Sam W Jacobs CET <Sam@...> wrote:

> **
>
>
> From what I gather the 366 is "ham only" receive, so I won't be swapping
> mine out, but if they ever make one that is as good as the 366 that is
> general coverage, I'll think about it.
>
> I see the revised manual for the 566 is posted now, so perhaps it's just a
> matter of minutes before the software is there too.
>
> _____
> From: Fernando <n2fq@sbcglobal.net>
> To: orion565@yahoogroups.com
> Sent: Wednesday, February 1, 2012 1:24 PM
> Subject: [orion565] RX366
>
>
>
>
>
> Hello to all.
>
> I suspect that there will be plenty of the "old" sub-receivers gathering
>
> dust. A shame that it can't be reused or can it ?
>
> Sure would be nice to have some hardware/parts and a cabinet
>
> to make them into a stand alone general coverage receiver that is.
>
> Fernando N2FQ/6
> n2fq@...
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

>

[Non-text portions of this message have been removed]

7572. Re: [orion565] RX366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 19:30:06 UTC
From: Sam W Jacobs CET
Topic: 7546 Message: 7572

Yes I did Barry, thanks.
Still waiting for the 566 upload, hoping to get it in tonight.

From: Barry N1EU <barry.n1eu@...>
To: orion565@yahoogroups.com
Sent: Wednesday, February 1, 2012 2:16 PM
Subject: Re: [orion565] RX366

Start thinking Sam

Did you totally miss this recent thread?
http://groups.yahoo.com/group/orion565/message/7539

Barry N1EU

On Wed, Feb 1, 2012 at 7:00 PM, Sam W Jacobs CET <Sam@...> wrote:

> **
>
>
> From what I gather the 366 is "ham only" receive, so I won't be swapping
> mine out, but if they ever make one that is as good as the 366 that is
> general coverage, I'll think about it.
>
> I see the revised manual for the 566 is posted now, so perhaps it's just a
> matter of minutes before the software is there too.
>
> ---
> From: Fernando <n2fq@...>
> To: orion565@yahoogroups.com
> Sent: Wednesday, February 1, 2012 1:24 PM
> Subject: [orion565] RX366
>
>
>
>
>
> Hello to all.
>
> I suspect that there will be plenty of the "old" sub-receivers gathering
>
> dust. A shame that it can't be reused or can it ?
>
> Sure would be nice to have some hardware/parts and a cabinet
>
> to make them into a stand alone general coverage receiver that is.

>
> Fernando N2FQ/6
> n2fq@...
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
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>

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[Non-text portions of this message have been removed]

7573. Re: [orion565] RX366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 19:49:59 UTC
From: va3dwi@gmail.com
Topic: 7546 Message: 7573

This confusion is propagated by TenTec's mistake on their Website. The specifications tab for this RX states "Ham Band RX 160-10 mtr". I saw this myself an hour ago.

Tony VE3DWI
Sent wirelessly from my BlackBerry

-----Original Message-----
From: Barry N1EU <barry.n1eu@...>
Sender: orion565@yahoogroups.com
Date: Wed, 1 Feb 2012 19:16:55
To: <orion565@yahoogroups.com>
Reply-To: orion565@yahoogroups.com
Subject: Re: [orion565] RX366

Start thinking Sam

Did you totally miss this recent thread?
http://groups.yahoo.com/group/orion565/message/7539

Barry N1EU

On Wed, Feb 1, 2012 at 7:00 PM, Sam W Jacobs CET <Sam@...> wrote:

> **
>
>
> From what I gather the 366 is "ham only" receive, so I won't be swapping
> mine out, but if they ever make one that is as good as the 366 that is
> general coverage, I'll think about it.
>
> I see the revised manual for the 566 is posted now, so perhaps it's just a
> matter of minutes before the software is there too.
>
> _____
> From: Fernando <n2fq@...>
> To: orion565@yahoogroups.com
> Sent: Wednesday, February 1, 2012 1:24 PM
> Subject: [orion565] RX366
>
>
>
>
>
> Hello to all.
>
> I suspect that there will be plenty of the "old" sub-receivers gathering
>
> dust. A shame that it can't be reused or can it ?

>
> Sure would be nice to have some hardware/parts and a cabinet
>
> to make them into a stand alone general coverage receiver that is.
>
> Fernando N2FQ/6
> n2fq@...
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

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[Non-text portions of this message have been removed]

7574. Re: [orion565] RX366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 20:23:50 UTC
From: Barry N1EU
Topic: 7546 Message: 7574

It's very possible that the RX366 is OPTIMIZED for ham band reception and
in so doing, gives up some performance outside the ham bands and Ten-Tec
intentionally specified it that way.

Barry N1EU

On Wed, Feb 1, 2012 at 7:49 PM, <va3dwi@...> wrote:

> **
>
>
> This confusion is propagated by TenTec's mistake on their Website. The
> specifications tab for this RX states "Ham Band RX 160-10 mtr". I saw this
> myself an hour ago.
>
> Tony VE3DWI
> Sent wirelessly from my BlackBerry
>
> -----Original Message-----
> From: Barry N1EU <barry.n1eu@...>
> Sender: orion565@yahoogroups.com
> Date: Wed, 1 Feb 2012 19:16:55
> To: <orion565@yahoogroups.com>
> Reply-To: orion565@yahoogroups.com
> Subject: Re: [orion565] RX366
>
> Start thinking Sam
>
> Did you totally miss this recent thread?
> http://groups.yahoo.com/group/orion565/message/7539
>
> Barry N1EU
>
> On Wed, Feb 1, 2012 at 7:00 PM, Sam W Jacobs CET <Sam@...> wrote:
>
> > **
> > >
> > >
> > From what I gather the 366 is "ham only" receive, so I won't be swapping
> > mine out, but if they ever make one that is as good as the 366 that is
> > general coverage, I'll think about it.
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> > I see the revised manual for the 566 is posted now, so perhaps it's just
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> > matter of minutes before the software is there too.
> > >

> > _____
> > From: Fernando <n2fq@...>
> > To: orion565@yahoogroups.com
> > Sent: Wednesday, February 1, 2012 1:24 PM
> > Subject: [orion565] RX366
> >
> >
> >
> >
> > Hello to all.
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> > I suspect that there will be plenty of the "old" sub-receivers gathering
> >
> > dust. A shame that it can't be reused or can it ?
> >
> > Sure would be nice to have some hardware/parts and a cabinet
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> > to make them into a stand alone general coverage receiver that is.
> >
> > Fernando N2FQ/6
> > n2fq@...
> >
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7575. RE: [orion565] RX366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 20:24:48 UTC
From: Robert Carroll
Topic: 7546 Message: 7575

Since TT watches this reflector perhaps they will clarify this soon.

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Wednesday, February 01, 2012 3:24 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] RX366

It's very possible that the RX366 is OPTIMIZED for ham band reception and
in so doing, gives up some performance outside the ham bands and Ten-Tec
intentionally specified it that way.

Barry N1EU

On Wed, Feb 1, 2012 at 7:49 PM, <va3dwi@gmail.com <mailto:va3dwi%40gmail.com> > wrote:

> **
>
>
> This confusion is propagated by TenTec's mistake on their Website. The
> specifications tab for this RX states "Ham Band RX 160-10 mtr". I saw this
> myself an hour ago.
>
> Tony VE3DWI
> Sent wirelessly from my BlackBerry
>
> -----Original Message-----
> From: Barry N1EU <barry.n1eu@... <mailto:barry.n1eu%40gmail.com> >
> Sender: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Date: Wed, 1 Feb 2012 19:16:55
> To: <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> >
> Reply-To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] RX366
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wrote:
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> > From: Fernando <n2fq@... <mailto:n2fq%40sbcglobal.net> >
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > Sent: Wednesday, February 1, 2012 1:24 PM
> > Subject: [orion565] RX366
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> > Fernando N2FQ/6
> > n2fq@...t <mailto:n2fq%40sbcglobal.net>
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7576. Re: [orion565] RX366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 20:35:47 UTC
From: Larry Menzel
Topic: 7546 Message: 7576

I suspect Barry is correct. The specifications for the receiver are for the ham bands 10-160. Sensitivity in general coverage will likely be just fine, as traditional short wave frequencies are typically still within the .5-30 Mhz range just like our bands which the radio already manages quite nicely.

Barry, you might comment on what you hear on short wave and if you feel the performance is in any way diminished, which I would doubt, at least for what most SW listeners hear.

I ordered my 366 last night and it was shipped this morning. Yea!

Larry, W0PR

PS Installed 3.025 on my Orion (1) this morning, and played with the SAF function...pretty damn neat! Installed with no glitches, too.

On Wed, Feb 1, 2012 at 2:24 PM, Robert Carroll <w2wg@...> wrote:

> **
>
>
> Since TT watches this reflector perhaps they will clarify this soon.
>
> Bob W2WG
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf Of Barry N1EU
> Sent: Wednesday, February 01, 2012 3:24 PM
> To: orion565@yahoogroups.com
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> va3dwi%40gmail.com> > wrote:
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> this
> > myself an hour ago.
> >
> > Tony VE3DWI
> > Sent wirelessly from my BlackBerry
> >
> > -----Original Message-----
> > From: Barry N1EU <barry.n1eu@... <mailto:barry.n1eu%40gmail.com> >
> > Sender: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > Date: Wed, 1 Feb 2012 19:16:55
> > To: <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> >
> > Reply-To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > Subject: Re: [orion565] RX366
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> > Start thinking Sam
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> > Did you totally miss this recent thread?
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> > Barry N1EU
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> > On Wed, Feb 1, 2012 at 7:00 PM, Sam W Jacobs CET <Sam@k3sam.com <mailto:
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> > > From: Fernando <n2fq@... <mailto:n2fq%40sbcglobal.net> >
> > > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > > Sent: Wednesday, February 1, 2012 1:24 PM
> > > Subject: [orion565] RX366
> > > >
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> > > Fernando N2FQ/6
> > > n2fq@... <mailto:n2fq%40sbcglobal.net>
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7577. Re: [orion565] RX366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 21:01:42 UTC
From: Sam W Jacobs CET
Topic: 7546 Message: 7577

It would be nice if TT would offer a "trade in" discount. If I'm taking out my old VFOB and installing the 366, they could reuse our old receivers in their refub units. That could bring the cost of the 366 down to, perhaps $10... HA! Well, at least $200 or so.

While I'm at it, I still want more control over screen colors. It's backup battery has a clock function built in, it would be nice to see the time on the radio display. My NR makes everyone sound "underwater", I hope they have this fixed. While I have the soapbox, my only complaint about the 566 when I first purchased it was the "cheap" knobs and controls. Grab a hold of an ICOM or YAESU (or even Kraco CB) and the knobs have a "solid" feel to them and the controls are smooth (MilSpec). These controls on my 566 are flimsy and the knobs are cheap plastic. For close to $5000 you would think TT could invest in better quality controls and knobs.

OK, I'm done for right now however love the radio and awaiting the software mod. This will be the first upgrade I will be using since 2.039d as all the other ones f*** up the audio when the AN is engaged. I like nice clean audio... no pops and clicks like the newer versions have problems with.

73,
Sam
K3SAM

From: Barry N1EU <barry.n1eu@...>
To: orion565@yahoogroups.com
Sent: Wednesday, February 1, 2012 3:23 PM
Subject: Re: [orion565] RX366

It's very possible that the RX366 is OPTIMIZED for ham band reception and
in so doing, gives up some performance outside the ham bands and Ten-Tec
intentionally specified it that way.

Barry N1EU

On Wed, Feb 1, 2012 at 7:49 PM, <va3dwi@...> wrote:

> **
>
>
> This confusion is propagated by TenTec's mistake on their Website. The
> specifications tab for this RX states "Ham Band RX 160-10 mtr". I saw this
> myself an hour ago.
>
> Tony VE3DWI
> Sent wirelessly from my BlackBerry
>
> -----Original Message-----

> From: Barry N1EU <barry.n1eu@...>
> Sender: orion565@yahoogroups.com
> Date: Wed, 1 Feb 2012 19:16:55
> To: <orion565@yahoogroups.com>
> Reply-To: orion565@yahoogroups.com
> Subject: Re: [orion565] RX366
>
> Start thinking Sam
>
> Did you totally miss this recent thread?
> http://groups.yahoo.com/group/orion565/message/7539
>
> Barry N1EU
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> On Wed, Feb 1, 2012 at 7:00 PM, Sam W Jacobs CET <Sam@...> wrote:
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> > >
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> > From what I gather the 366 is "ham only" receive, so I won't be swapping
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> > From: Fernando <n2fq@sbcglobal.net>
> > To: orion565@yahoogroups.com
> > Sent: Wednesday, February 1, 2012 1:24 PM
> > Subject: [orion565] RX366
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> > >
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> > Fernando N2FQ/6
> > n2fq@...
> > >
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7578. Re: [orion565] RX366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 21:14:20 UTC
From: Barry N1EU
Topic: 7546 Message: 7578

The word is that it's simply a matter of no bandpass filters being used outside of the ham bands in the RX366 so you might be susceptible to overload from very strong out-of-band interference.

You could also whip up your own bandpass filter if you did experience overload on your favorite SWL band.

I suspect this would be more of an issue in Europe than USA

Larry, I hear plenty on the SWL bands, but the only problem is that I don't have a reference gen cov rx to compare it to.

Barry N1EU

On Wed, Feb 1, 2012 at 8:35 PM, Larry Menzel <retire@...> wrote:
> I suspect Barry is correct. The specifications for the receiver are for
> the ham bands 10-160. Sensitivity in general coverage will likely be just
> fine, as traditional short wave frequencies are typically still within the
> .5-30 Mhz range just like our bands which the radio already manages quite
> nicely.
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> Barry, you might comment on what you hear on short wave and if you feel the
> performance is in any way diminished, which I would doubt, at least for
> what most SW listeners hear.
>
> I ordered my 366 last night and it was shipped this morning. Yea!
>
> Larry, W0PR
>
> PS Installed 3.025 on my Orion (1) this morning, and played with the SAF
> function...pretty damn neat! Installed with no glitches, too.
>
>
>
> On Wed, Feb 1, 2012 at 2:24 PM, Robert Carroll <w2wg@...> wrote:
>
>> **
>>
>>
>> Since TT watches this reflector perhaps they will clarify this soon.
>>
>> Bob W2WG
>>
>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
>> Behalf Of Barry N1EU
>> Sent: Wednesday, February 01, 2012 3:24 PM

>> To: orion565@yahoogroups.com
>> Subject: Re: [orion565] RX366
>>
>> It's very possible that the RX366 is OPTIMIZED for ham band reception and
>> in so doing, gives up some performance outside the ham bands and Ten-Tec
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>> Barry N1EU
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>> On Wed, Feb 1, 2012 at 7:49 PM, <va3dwi@... <mailto:
>> va3dwi%40gmail.com> > wrote:
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>> > From: Barry N1EU <barry.n1eu@... <mailto:barry.n1eu%40gmail.com> >
>> > Sender: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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> Yahoo! Groups Links
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7579. Re: [orion565] RX366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 21:22:26 UTC
From: Barry N1EU
Topic: 7546 Message: 7579

I spoke too soon - I'm listening to a USB signal on 11095Khz and the
RX366 is suffering from out-of-band interference that isn't affecting
another radio I'm listening on.

So there probably ARE issues if you want to do serious SWL'ing. Sorry
for leading anyone astray.

Barry N1EU

On Wed, Feb 1, 2012 at 9:14 PM, Barry N1EU <barry.n1eu@...> wrote:
> The word is that it's simply a matter of no bandpass filters being
> used outside of the ham bands in the RX366 so you might be susceptible
> to overload from very strong out-of-band interference.
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> You could also whip up your own bandpass filter if you did experience
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>>> > From: Barry N1EU <barry.n1eu@... <mailto:barry.n1eu%40gmail.com> >
>>> > Sender: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>>> > Date: Wed, 1 Feb 2012 19:16:55
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>>> > > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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>> Yahoo! Groups Links
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7580. Re: [orion565] RX366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 21:40:08 UTC
From: Richard
Topic: 7546 Message: 7580

Does the old receive do this? I had not noticed it.

C. Richard Pumphrey

NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

On Feb 1, 2012, at 4:22 PM, Barry N1EU <barry.n1eu@...> wrote:

> I spoke too soon - I'm listening to a USB signal on 11095Khz and the
> RX366 is suffering from out-of-band interference that isn't affecting
> another radio I'm listening on.
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> So there probably ARE issues if you want to do serious SWL'ing. Sorry
> for leading anyone astray.
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> >>> Behalf Of Barry N1EU
> >>> Sent: Wednesday, February 01, 2012 3:24 PM
> >>> To: orion565@yahoogroups.com
> >>> Subject: Re: [orion565] RX366
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> >>> > Subject: Re: [orion565] RX366
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> >>> > Start thinking Sam
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> >>> > Did you totally miss this recent thread?
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> >>> > > Sent: Wednesday, February 1, 2012 1:24 PM
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7581. Re: RX366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 22:14:52 UTC
From: John
Topic: 7546 Message: 7581

The stock receiver doesn't suffer from this.

The general coverage path in the tx/rx board used is basically wide open. Meaning you can go anywhere with it, but it let's everything through. Like having the barn door open when all you want is a trickle from a hose....

So if you want a 366 for general coverage, then don't, instead, get it for kick butt ham band blocking/performance. Then use an RX320 for all your general coverage swl and broadcast listening.

John

--- In orion565@yahoogroups.com, Richard <wn9ddv@...> wrote:
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>
> C. Richard Pumphrey
>
>
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7582. 565v3.026 ready at TenTec for download

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 22:15:40 UTC
From: John
Topic: 7582 Message: 7582

Version 3 of the Orion II 566 is now ready for download.

Go to
www.tentec.com
Hover over downloads
Click on transceiver downloads.

Scroll down to the 566 section.

Click on the link on the right column titled "Firmware Ver3.026".

Download/run it.
It will install the Orion II update utility and ruf files into:
C:\Program Files\Ten-Tec\OrionII Firmware Update

To view the "What is V3 file"
Click on
Windows Start
All Programs
Ten-Tec
OrionII Firmware Update
then click on What is V3
And it brings up the 74474 document already posted.

To run the update utility....
Click on
Windows Start
All Programs
Ten-Tec
OrionII Firmware Update
then click on Orion II FIrmware Update

It should report Version 4.15 of the updater in help about.

Ensure you have the proper com port selected.
This is found in "Settings" Setup
The very first time I run update, I usually uncheck stop on errors, and then re-check it, then select close.
This ensures that it will stop if there are any programming errors.

Then perform the normal update procedure.
Place the radio into update mode, (hold down USER2 while turning it on until FLASH UPDATE MODE Is shown on the Orion II)
Select Process, Update Radio, and then select the 566v3.026.ruf file.

You will see the line numbers slowly increase on both the update program screen and on the radio's display.

Follow the RAM Clear/Master Reset steps outlined in 74474, the what is V3 document.

Then enjoy SAF and all the new features.

John

7583. RX366 and general coverage

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 22:21:42 UTC
From: John
Topic: 7583 Message: 7583

The RX366's general coverage filter is wide open. Meaning just about everything gets in. It can be used to listen to broadcast or SWL, however, if you have anything near you that is strong, it will also make it in and degrade your listening pleasure.

So, we advertise it as 160-10m for a reason.

It "Can" be tuned to 930AM, and in different situations may sound OK, but we can by no means advertise it as a General Coverage receiver.
It will work, but at greatly reduced specs, and depending upon your situation, your mileage may vary from "great general coverage" to "worst thing since chicken livers".

Hope that helps,
John

7584. Re: RX366 and general coverage

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 22:23:12 UTC
From: John
Topic: 7583 Message: 7584

Remember, the RX366 was designed for optimum performance for hambands for extremely serious contesters and DXers. It is a real top notch contest performer.

John Henry
ok, I go home now, 73 for now

--- In orion565@yahoogroups.com, "John" <jhenry@...> wrote:
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> Hope that helps,
> John
>

7585. Does updating to V3.026 do that much for an Orion II without the RX366?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 22:28:55 UTC
From: k1fpv
Topic: 7585 Message: 7585

I don't have the RX366 in my Orion II and am wondering if I'll really gain anything by updating the firmware. I'm happy with the Orion II right now the way it is. Any suggestions or comments?

Bill/K1FPV

7586. Re: RX366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 22:35:02 UTC
From: k1fpv
Topic: 7546 Message: 7586

I like using my RX-340 as my kick-ass general coverage SWL/BC receiver. ;=)

Bill/K1FPV

--- In orion565@yahoogroups.com, "John" <jhenry@...> wrote:
>
> The stock receiver doesn't suffer from this.
>
> The general coverage path in the tx/rx board used is basically wide open. Meaning you can go anywhere with it, but it let's everything through. Like having the barn door open when all you want is a trickle from a hose....
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> > > >>> > > n2fq@ <mailto:n2fq%40sbcglobal.net>
> > > >>> > >
> > > >>> > > [Non-text portions of this message have been removed]
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> > > [Non-text portions of this message have been removed]
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>

7587. Re: Does updating to V3.026 do that much for an Orion II without the RX366?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 22:42:14 UTC
From: pa1ap
Topic: 7585 Message: 7587

In my humble opinion it is worth upgrading to the V3 firmware. A lot of development and testing has gone in to it over the last couple of months and its of very good quality. I cannot comment on 566 (orion II) since I was part of the 565 (orion 1) testing...

I would suggest upgrading and leave it running for a while. It is easy to go back and forth between versions anyway.

If you settings are precious to you and you are afraid loosing them I can send you a Backup / Restore program to capture a big part of the settings.

Anyway, I love the new V3 firmware. Sound quality, saf function and user control is really good. Other beta testers have used 566 in recent contests and from what I picked up it behaved very well.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, "k1fpv" <k1fpv@...> wrote:
>
> I don't have the RX366 in my Orion II and am wondering if I'll really gain anything by updating the firmware. I'm happy with the Orion II right now the way it is. Any suggestions or comments?
>
> Bill/K1FPV
>

7588. A dilemma installing V3 on Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 22:43:16 UTC
From: floydsense
Topic: 7588 Message: 7588

First time trying to install any level of firmware on the Orion II here. Followed the instructions to the letter for V3 and preparing the O2 for the update. When the Update program started, I set the com port to COM1, which is a real serial port to the Orion and one that's been used daily for the past 8 months. Then, started the update, specifying the V3 .ruf file. No errors, but nothing really happened and the last line of the Update window said "Using serial interface: Using serial interface". Waited a while, nothing happened.

Then made a big mistake - recycled the Orion II and ran update again. I noticed in the port setup there was an option to ignore Orion responses and not check for errors and I selected that option (no check in box). Update then started and the bottom line of the window indicated it was on statement 4 of 10645, after about 5 minutes. Screen on O2 indicated Flash being erased. Then nothing more.

Killed update, cycled O2 power off/on, but it appears the firmware was erased. Tried the same process with the 2.044 firmware, NOT ignoring errors, and that got me an error message indicating communications with the O2 had failed. So, where to go from here?

Operating system is Win 7 and as I said the Com1 port is a real port that works just fine. I suppose I could try this from an XP laptop, but is there something else about the Com port that I've missed?

K8AC

7589. Re: A dilemma installing V3 on Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 23:01:51 UTC
From: pa1ap
Topic: 7588 Message: 7589

As far as I know you cannot "destroy" the orion this way.

Couple of things you might want to check;

1) installer version... When you download the TT firmware it will install the latest version... Please check if you are indeed starting the correct one.. it should be version 4.15... start the flash update program and click help to find this information

2) settings; serial port > correct com port > stop on error...

3) update radio > select file and there you go (normally..)

Were you able to use the radio through remote control software prior to the "dilemma" ?

Can you confirm that the flash process can be started again on orion (push-hold user1 and pwr on)? As long as thats the case its a matter of pushing the Bytes into the orion... As far as I know the flash program does use verification of Bytes exchanged with Orion during the upgrade.

In case you have a second computer perhaps you can install the flash updater on that one and see how that goes. It might be a comptability issue.

Last but not least if you like a bit of hacking;

1) connect computer to orion through correct serial port
2) start a serial terminal program, 57600, 8 bits, hardware handshake.
3) power on the orion... using push-hold user1 + power on
4) the terminal program should display the message "ORION START" (i just checked)
5) within the terminal type the following ?V this will show something like "VER 1002-566"

If step 4 and 5 are providing information this will confirm your serial connection is operational... Thats good news. It also confirms the bootloader is still happy with you....

If above works something is cooking with the actual update program. Driver conflicts or whatever...

Hope this helps and let us know what you find. Best regards, Onno

--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
> First time trying to install any level of firmware on the Orion II here. Followed the instructions to the letter for V3 and preparing the O2 for the update. When the Update program started, I set the com port to COM1, which is a real serial port to the Orion and one that's been used daily for the past 8 months. Then, started the update, specifying the V3 .ruf file. No errors, but nothing really happened and the last line of the Update window said "Using serial interface: Using serial interface". Waited a while, nothing happened.
>
> Then made a big mistake - recycled the Orion II and ran update again. I noticed in the

port setup there was an option to ignore Orion responses and not check for errors and I selected that option (no check in box). Update then started and the bottom line of the window indicated it was on statement 4 of 10645, after about 5 minutes. Screen on O2 indicated Flash being erased. Then nothing more.
>
> Killed update, cycled O2 power off/on, but it appears the firmware was erased. Tried the same process with the 2.044 firmware, NOT ignoring errors, and that got me an error message indicating communications with the O2 had failed. So, where to go from here?
>
> Operating system is Win 7 and as I said the Com1 port is a real port that works just fine. I suppose I could try this from an XP laptop, but is there something else about the Com port that I've missed?
>
> K8AC
>

7590. Re: [orion565] Re: RX366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-01 23:54:11 UTC
From: Larry Menzel
Topic: 7546 Message: 7590

Thanks for the truth, Barry,

I don't listen to SW anyway, so it's about the enhanced ham performance for me anyway.

Larry, W0PR

On Wed, Feb 1, 2012 at 4:14 PM, John <jhenry@...> wrote:

> **
>
>
> The stock receiver doesn't suffer from this.
>
> The general coverage path in the tx/rx board used is basically wide open.
> Meaning you can go anywhere with it, but it let's everything through. Like
> having the barn door open when all you want is a trickle from a hose....
>
> So if you want a 366 for general coverage, then don't, instead, get it for
> kick butt ham band blocking/performance. Then use an RX320 for all your
> general coverage swl and broadcast listening.
>
> John
>
> --- In orion565@yahoogroups.com, Richard <wn9ddv@...> wrote:
> >
> > Does the old receive do this? I had not noticed it.
> >
> > C. Richard Pumphrey
> >
> >
> > NOTICE: It is okay to print this email. Paper is a plentiful,
> biodegradable, renewable, recyclable, sustainable product made from trees
> that provide jobs and income for millions of Americans. Thanks to improved
> forest management, we have more trees in America today than we had 100
> years ago.
> >
> >
> >
> >
> >
> >
> > On Feb 1, 2012, at 4:22 PM, Barry N1EU <barry.n1eu@...> wrote:
> >
> > > I spoke too soon - I'm listening to a USB signal on 11095Khz and the
> > > RX366 is suffering from out-of-band interference that isn't affecting

> > > another radio I'm listening on.
> > >
> > > So there probably ARE issues if you want to do serious SWL'ing. Sorry
> > > for leading anyone astray.
> > >
> > > Barry N1EU
> > >
> > > On Wed, Feb 1, 2012 at 9:14 PM, Barry N1EU <barry.n1eu@...> wrote:
> > > > The word is that it's simply a matter of no bandpass filters being
> > > > used outside of the ham bands in the RX366 so you might be
> susceptible
> > > > to overload from very strong out-of-band interference.
> > > >
> > > > You could also whip up your own bandpass filter if you did experience
> > > > overload on your favorite SWL band.
> > > >
> > > > I suspect this would be more of an issue in Europe than USA
> > > >
> > > > Larry, I hear plenty on the SWL bands, but the only problem is that I
> > > > don't have a reference gen cov rx to compare it to.
> > > >
> > > > Barry N1EU
> > > >
> > > > On Wed, Feb 1, 2012 at 8:35 PM, Larry Menzel <retire@...> wrote:
> > > >> I suspect Barry is correct. The specifications for the receiver are
> for
> > > >> the ham bands 10-160. Sensitivity in general coverage will likely
> be just
> > > >> fine, as traditional short wave frequencies are typically still
> within the
> > > >> .5-30 Mhz range just like our bands which the radio already manages
> quite
> > > >> nicely.
> > > >>
> > > >> Barry, you might comment on what you hear on short wave and if you
> feel the
> > > >> performance is in any way diminished, which I would doubt, at least
> for
> > > >> what most SW listeners hear.
> > > >>
> > > >> I ordered my 366 last night and it was shipped this morning. Yea!
> > > >>
> > > >> Larry, W0PR
> > > >>
> > > >> PS Installed 3.025 on my Orion (1) this morning, and played with
> the SAF
> > > >> function...pretty damn neat! Installed with no glitches, too.
> > > >>
> > > >>
> > > >>

> > > >> On Wed, Feb 1, 2012 at 2:24 PM, Robert Carroll <w2wg@...> wrote:
> > > >>
> > > >>> **
> > > >>>
> > > >>>
> > > >>> Since TT watches this reflector perhaps they will clarify this
> soon.
> > > >>>
> > > >>> Bob W2WG
> > > >>>
> > > >>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> On
> > > >>> Behalf Of Barry N1EU
> > > >>> Sent: Wednesday, February 01, 2012 3:24 PM
> > > >>> To: orion565@yahoogroups.com
> > > >>> Subject: Re: [orion565] RX366
> > > >>>
> > > >>> It's very possible that the RX366 is OPTIMIZED for ham band
> reception and
> > > >>> in so doing, gives up some performance outside the ham bands and
> Ten-Tec
> > > >>> intentionally specified it that way.
> > > >>>
> > > >>> Barry N1EU
> > > >>>
> > > >>> On Wed, Feb 1, 2012 at 7:49 PM, <va3dwi@... <mailto:
> > > >>> va3dwi%40gmail.com> > wrote:
> > > >>>
> > > >>> > **
> > > >>> >
> > > >>> >
> > > >>> > This confusion is propagated by TenTec's mistake on their
> Website. The
> > > >>> > specifications tab for this RX states "Ham Band RX 160-10 mtr".
> I saw
> > > >>> this
> > > >>> > myself an hour ago.
> > > >>> >
> > > >>> > Tony VE3DWI
> > > >>> > Sent wirelessly from my BlackBerry
> > > >>> >
> > > >>> > -----Original Message-----
> > > >>> > From: Barry N1EU <barry.n1eu@... <mailto:barry.n1eu%40gmail.com>
> > >
> > > >>> > Sender: orion565@yahoogroups.com <mailto:
> orion565%40yahoogroups.com>
> > > >>> > Date: Wed, 1 Feb 2012 19:16:55
> > > >>> > To: <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > >
> > > >>> > Reply-To: orion565@yahoogroups.com <mailto:

> orion565%40yahoogroups.com>
> > > >>> > Subject: Re: [orion565] RX366
> > > >>> >
> > > >>> > Start thinking Sam
> > > >>> >
> > > >>> > Did you totally miss this recent thread?
> > > >>> > http://groups.yahoo.com/group/orion565/message/7539
> > > >>> >
> > > >>> > Barry N1EU
> > > >>> >
> > > >>> > On Wed, Feb 1, 2012 at 7:00 PM, Sam W Jacobs CET <Sam@...
> <mailto:
> > > >>> Sam%40k3sam.com> > wrote:
> > > >>> >
> > > >>> > > **
> > > >>> > >
> > > >>> > > From what I gather the 366 is "ham only" receive, so I won't be
> > > >>> swapping
> > > >>> > > mine out, but if they ever make one that is as good as the 366
> that is
> > > >>> > > general coverage, I'll think about it.
> > > >>> > >
> > > >>> > > I see the revised manual for the 566 is posted now, so perhaps
> it's
> > > >>> just
> > > >>> > a
> > > >>> > > matter of minutes before the software is there too.
> > > >>> > >
> > > >>> > > _____
> > > >>> > > From: Fernando <n2fq@... <mailto:n2fq%40sbcglobal.net> >
> > > >>> > > To: orion565@yahoogroups.com <mailto:
> orion565%40yahoogroups.com>
> > > >>> > > Sent: Wednesday, February 1, 2012 1:24 PM
> > > >>> > > Subject: [orion565] RX366
> > > >>> > >
> > > >>> > >
> > > >>> > >
> > > >>> > >
> > > >>> > > Hello to all.
> > > >>> > >
> > > >>> > > I suspect that there will be plenty of the "old" sub-receivers
> > > >>> gathering
> > > >>> > >
> > > >>> > > dust. A shame that it can't be reused or can it ?
> > > >>> > >
> > > >>> > > Sure would be nice to have some hardware/parts and a cabinet
> > > >>> > >
> > > >>> > > to make them into a stand alone general coverage receiver that
> is.

> > > >>> > >
> > > >>> > > Fernando N2FQ/6
> > > >>> > > n2fq@... <mailto:n2fq%40sbcglobal.net>
> > > >>> > >
> > > >>> > > [Non-text portions of this message have been removed]
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7591. Re: A dilemma installing V3 on Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 01:02:29 UTC
From: floydsense
Topic: 7588 Message: 7591

I know you can't "destroy" the Orion this way, but I can assure you that it's possible to get your flash memory erased and end up with a comatose Orion II. I've succeeded in getting V3 running on the Orion II, but I'm not pleased with how I had to do it.

Here are facts:

1. For whatever reason, it's not possible to do the update from my 32 bit Windows 7 system using the serial port cards I have installed. Since the Update program tells you virtually nothing about the nature of the error it discovered, I don't know the nature of the error. What I do know is that these ports run the normal communications with the Orion just fine, using every logging program I've used here. Since the Orion doesn't "play well" in this environment, it will be for sale in the near future.

2. While the conventional wisdom is to NOT use a USB/serial converter for the Update process, I was left with no other alternative since my laptops have no serial ports. Using a USB/Serial converter with a Prolific chip set, running with my Win XP 32 bit system, the Update worked correctly. Total elapsed time was 303 seconds.

3. Hyperterminal is no longer shipped free with Windows 7 - not sure if that started with Win 7 or Vista. So, trying a "terminal" program to see if that can communicate with the Orion II is not quite so easy. Yes, I know there are other free trial terminal programs available.

4. As you said, firing up the Orion II with hyperterminal (under Win XP) resulted in the "Orion Start" message as you indicated. Good to know.

5. The same problem occurred when I tried to reinstall 2.044, so whatever the problem is, it apparently isn't unique to the V3 firmware install.

Other comments:

I did have a serial port monitor program on my Win 7 system that I could use to monitor the Update when it failed. I could see Update opening the port and sending a string that began with "3F 56 0D" which I interpret as "?V" and CR. According to your comments, that should have resulted in the firmware level being returned. It appears that there was no response seen. I assume that RTS/CTS are being used but did not monitor those lines. There are many possibilities for the error - one being that the application isn't raising RTS or isn't waiting for CTS before sending. There are other combinations that would cause the same problem. Why it works fine on XP and not on my Win 7 machine will remain a mystery until I have time to monitor and trace the failing situation.

Thanks for your ideas as they did lead me down the right path!

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> As far as I know you cannot "destroy" the orion this way.

>
> Couple of things you might want to check;
>
> 1) installer version... When you download the TT firmware it will install the latest version... Please check if you are indeed starting the correct one.. it should be version 4.15... start the flash update program and click help to find this information
>
> 2) settings; serial port > correct com port > stop on error...
>
> 3) update radio > select file and there you go (normally..)
>
> Were you able to use the radio through remote control software prior to the "dilemma" ?
>
> Can you confirm that the flash process can be started again on orion (push-hold user1 and pwr on)? As long as thats the case its a matter of pushing the Bytes into the orion... As far as I know the flash program does use verification of Bytes exchanged with Orion during the upgrade.
>
> In case you have a second computer perhaps you can install the flash updater on that one and see how that goes. It might be a comptability issue.
>
> Last but not least if you like a bit of hacking;
>
> 1) connect computer to orion through correct serial port
> 2) start a serial terminal program, 57600, 8 bits, hardware handshake.
> 3) power on the orion... using push-hold user1 + power on
> 4) the terminal program should display the message "ORION START" (i just checked)
> 5) within the terminal type the following ?V this will show something like "VER 1002-566"
>
>
> If step 4 and 5 are providing information this will confirm your serial connection is operational... Thats good news. It also confirms the bootloader is still happy with you....
>
> If above works something is cooking with the actual update program. Driver conflicts or whatever...
>
>
> Hope this helps and let us know what you find. Best regards, Onno
>

7592. Re: [orion565] A dilemma installing V3 on Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 00:48:18 UTC
From: Sam W Jacobs CET
Topic: 7588 Message: 7592

I was just going to ask a question concerning this BEFORE I did my update. I'm all set, but as I remember...I used COM 8. Can anyone confirm this before I get started on my O2. (just for the heck of it, please report the com port you used... see if everyone is on the same page)

And Floyd, a post just before yours from Onno said the following (you might try):

Couple of things you might want to check;

1) installer version... When you download the TT firmware it will
install the latest version... Please check if you are indeed starting
the correct one.. it should be version 4.15... start the flash update
program and click help to find this information

2) settings; serial port > correct com port > stop on error...

3) update radio > select file and there you go (normally..)

Were you able to use the radio through remote control software prior to the "dilemma" ?

Can you confirm that the flash process can be started again on orion
(push-hold user1 and pwr on)? As long as thats the case its a matter of
pushing the Bytes into the orion... As far as I know the flash program
does use verification of Bytes exchanged with Orion during the upgrade.

In case you have a second computer perhaps you can install the flash
updater on that one and see how that goes. It might be a comptability
issue.

Last but not least if you like a bit of hacking;

1) connect computer to orion through correct serial port
2) start a serial terminal program, 57600, 8 bits, hardware handshake.
3) power on the orion... using push-hold user1 + power on
4) the terminal program should display the message "ORION START" (i just checked)
5) within the terminal type the following ?V this will show something like "VER 1002-566"

If step 4 and 5 are providing information this will confirm your serial
connection is operational... Thats good news. It also confirms the
bootloader is still happy with you....

If above works something is cooking with the actual update program. Driver conflicts or whatever...

Hope this helps and let us know what you find. Best regards, Onno
---

Thanks in advance,
Sam
K3SAM

_____
From: floydsense <floyd@...>
To: orion565@yahoogroups.com
Sent: Wednesday, February 1, 2012 5:43 PM
Subject: [orion565] A dilemma installing V3 on Orion II

First time trying to install any level of firmware on the Orion II here. Followed the instructions to the letter for V3 and preparing the O2 for the update. When the Update program started, I set the com port to COM1, which is a real serial port to the Orion and one that's been used daily for the past 8 months. Then, started the update, specifying the V3 .ruf file. No errors, but nothing really happened and the last line of the Update window said "Using serial interface: Using serial interface". Waited a while, nothing happened.

Then made a big mistake - recycled the Orion II and ran update again. I noticed in the port setup there was an option to ignore Orion responses and not check for errors and I selected that option (no check in box). Update then started and the bottom line of the window indicated it was on statement 4 of 10645, after about 5 minutes. Screen on O2 indicated Flash being erased. Then nothing more.

Killed update, cycled O2 power off/on, but it appears the firmware was erased. Tried the same process with the 2.044 firmware, NOT ignoring errors, and that got me an error message indicating communications with the O2 had failed. So, where to go from here?

Operating system is Win 7 and as I said the Com1 port is a real port that works just fine. I suppose I could try this from an XP laptop, but is there something else about the Com port that I've missed?

K8AC

[Non-text portions of this message have been removed]

7593. V3 Selective Audio Filtering (SAF)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 01:44:46 UTC
From: floydsense
Topic: 7593 Message: 7593

The new peaking filter in V3 works very well indeed on CW. Looks like I can finally put my Autek QF1-A in the closet!

73, K8AC

7594. Re: A dilemma installing V3 on Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 01:50:04 UTC
From: floydsense
Topic: 7588 Message: 7594

When I went to Setup in Update, only my first three com ports (com1, com2, com3) were offered as options. It should make no difference which you use, as long as that's the one the Orion is on!

73, K8AC

--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> I was just going to ask a question concerning this BEFORE I did my update. I'm all set, but as I remember...I used COM 8.Â Can anyone confirm this before I get started on my O2.Â (just for the heck of it, please report the com port you used... see if everyone is on the same page)
>
>

7595. Orion 565 supply glitches

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 01:55:22 UTC
From: Martin Sole
Topic: 7595 Message: 7595

This started happening a week or so ago, it's not firmware dependent.

At power on the radio works normally but after a few minutes there will be a pop. The screen, meter and leds flash and the radio restarts. This typically happens several times spaced at several minutes. Then it seems to settle down and will run all day.

It may well be my power supply. I haven't yet tried leaving it on 24 hours to see if it happens then or not. Just wonder if this might be a known problem, or rather a problem with a known fix!

Thanks

Martin, HS0ZED

[Non-text portions of this message have been removed]

7597. Re: [orion565] Orion 565 supply glitches

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 02:12:42 UTC
From: Sam W Jacobs CET
Topic: 7595 Message: 7597

It sounds as if your backup battery might be low. This happened to me after 12 months of usage (radio continuously on). The battery is suppose to last for at LEAST 10 years, go figure and it's not located at an easy access spot (behind the front panel).

Just my two cents.

Sam

From: Martin Sole <hs0zed@...>
To: orion565@yahoogroups.com
Sent: Wednesday, February 1, 2012 8:55 PM
Subject: [orion565] Orion 565 supply glitches

This started happening a week or so ago, it's not firmware dependent.

At power on the radio works normally but after a few minutes there will be a pop. The screen, meter and leds flash and the radio restarts. This typically happens several times spaced at several minutes. Then it seems to settle down and will run all day.

It may well be my power supply. I haven't yet tried leaving it on 24 hours to see if it happens then or not. Just wonder if this might be a known problem, or rather a problem with a known fix!

Thanks

Martin, HS0ZED

[Non-text portions of this message have been removed]

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7598. RE: [orion565] Re: V3 update not successful yet

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 02:17:28 UTC
From: art davis
Topic: 7555 Message: 7598

Thank you Onno. As a matter of fact I had the hood off a couple of months ago and thought I would check the battery voltage while I was there. It measured about 0.1 V above manufacturer specs so I'm assuming that it is good. And you make a good point , because I did go back and try to reload 2.064x11 last night after having no success with V3 and I couldn't get IT to start up either. so I reloaded V3 and just turned the power off and went to bed. This morning I turned the power on and it came right up in the new version and has been running all day with no issues. Now I'm afraid to turn it off again!

To: orion565@yahoogroups.com
From: pa1ap@...
Date: Wed, 1 Feb 2012 13:01:35 +0000
Subject: [orion565] Re: V3 update not successful yet

Recently I had simillar experience and in my case the cpu battery became bad. It kept on looping after power on, showed all the boot messages and even allowed me to answer yes to the questions raised. But then it looped to the start again.

Your case might be different but that was my experience. replacing the battery fixed it for me and it seems there lifetime is about 6 years.

Can you confirm if you can load a different firmware version which will make the orion operational? If none of the firmware versions will make orion operational it sound logical the battery is flat...

Best regards, onno

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:

>

> Are you using a USB serial port adapter? I've heard that some of them can

> be problematic.

>

> Barry N1EU

>

> On Wed, Feb 1, 2012 at 5:02 AM, art davis <n4uc@...> wrote:

>

> > **

> >

> >

> >

> >

> > After loading the new version 3.025 firmware into my 565, doing a master

> > reset and clearing the memories, the radio lights up as it should but stops

> > one step short of going operational. The screen displays the normal TT

> > logo, Version number, date, time, DSP version and goes no further. I have

> > repeated the process with same results. I am upgrading from 2.064x11.

> >

> > I do not have the RX=366 installed and therefore I select "NO" when asked.

> >

> > I am going to start all over and download the file again and try again.

> > Any other suggestions?

> >

> > Tnx, Art N4UC

> >

> >

> >

> > [Non-text portions of this message have been removed]

> >

> >

> >

>

>

> [Non-text portions of this message have been removed]

>

[Non-text portions of this message have been removed]

7599. Re: [orion565] Orion 565 supply glitches

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 02:18:48 UTC
From: K Van Horn
Topic: 7595 Message: 7599

Hi Martin,
There is a power distribution board A9 that was causing some similar issues on the orion 566 a couple of years ago. Take a look at the electrolyThetic capacitors on the A9 board for a sign off deformation or swelling. If you see any, go to: http://www.ronc.users.sonic.net/A9_Fix.html for how to do the fix. The power connectors on the 12v power lines con slacken up and get loose on the rear connectors of the radio. Send tectec an email and the will sell you some new connectors for the power lines rather inexpensively. Next thing to check would be your power supply, in fact, the poower supply is what I would check out FIRST!! Hope this helps!
73,
Kirby, K7EC

From: Martin Sole
Sent: Wednesday, February 01, 2012 18:55
To: orion565@yahoogroups.com
Subject: [orion565] Orion 565 supply glitches

This started happening a week or so ago, it's not firmware dependent.

At power on the radio works normally but after a few minutes there will be a pop. The screen, meter and leds flash and the radio restarts. This typically happens several times spaced at several minutes. Then it seems to settle down and will run all day.

It may well be my power supply. I haven't yet tried leaving it on 24 hours to see if it happens then or not. Just wonder if this might be a known problem, or rather a problem with a known fix!

Thanks

Martin, HS0ZED

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7600. RE: [orion565] V3 update not successful yet

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 02:22:53 UTC
From: art davis
Topic: 7555 Message: 7600

No, just straight serial on COM1. Thanks for the thought though...
BTW, for some reason it came up just fine this morning upon power up. Go figure!
To: orion565@yahoogroups.com
From: barry.n1eu@...
Date: Wed, 1 Feb 2012 11:01:38 +0000
Subject: Re: [orion565] V3 update not successful yet

Are you using a USB serial port adapter? I've heard that some of them can

be problematic.

Barry N1EU

On Wed, Feb 1, 2012 at 5:02 AM, art davis <n4uc@...> wrote:

> **

>

>

>

>

> After loading the new version 3.025 firmware into my 565, doing a master

> reset and clearing the memories, the radio lights up as it should but stops

> one step short of going operational. The screen displays the normal TT

> logo, Version number, date, time, DSP version and goes no further. I have

> repeated the process with same results. I am upgrading from 2.064x11.

>

> I do not have the RX=366 installed and therefore I select "NO" when asked.

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> I am going to start all over and download the file again and try again.

> Any other suggestions?

>

> Tnx, Art N4UC

>

>

>

> [Non-text portions of this message have been removed]

>

>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7601. Re: [orion565] Re: A dilemma installing V3 on Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 02:38:41 UTC
From: K Van Horn
Topic: 7588 Message: 7601

Hi Floyd,
My usb adaptor is also a prolific. That little window that shows com1,com2, and com3 can be moved down to find the port that your 566 is on. In my case it was com5 for both of my 566s. Anyway, glad you got it installed and hope that you will play with the SAF function, it is really great on weak sigs or noisy band conditions. They put out V3.026 firmware today for the 566 to correct a small data bug with the new deluxe sub receiver board interface. I understand that the deluxe sub receivers are flying out the door, so if you want one, don’t wait too long to order yours!!
Hope this helps!! I have v3.026 on both of my 566ats and it really makes it a better radio!!! Quieter receiver is noticeable!! SAF really is a huge improvement for digging out the weak or noisy ones!! They had a version of SAF in the Omni 6+that was turned on when you turned on the noise blanker. It worked so well that I did not sell that omni 6+ because of that function. Now I can sell it, but I’ve had it so long that it has become a dear friend and I don’t think I could bear not seeing it in the shack!!
Enjoy Version 3, it is like getting a whole new radio for free!!!!!
73,
Kirby, K7EC

From: floydsense
Sent: Wednesday, February 01, 2012 18:50
To: orion565@yahoogroups.com
Subject: [orion565] Re: A dilemma installing V3 on Orion II

When I went to Setup in Update, only my first three com ports (com1, com2, com3) were offered as options. It should make no difference which you use, as long as that's the one the Orion is on!

73, K8AC

--- In mailto:orion565%40yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> I was just going to ask a question concerning this BEFORE I did my update. I'm all set, but as I remember...I used COM 8.Â Can anyone confirm this before I get started on my O2.Â (just for the heck of it, please report the com port you used... see if everyone is on the same page)
>
>

[Non-text portions of this message have been removed]

7602. Re: [orion565] A dilemma installing V3 on Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 02:58:47 UTC
From: TroyW6HV
Topic: 7588 Message: 7602

I used COM 3.

Troy, W6HV

-----Original Message-----
From: Sam W Jacobs CET
Sent: Wednesday, February 01, 2012 4:48 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] A dilemma installing V3 on Orion II

I was just going to ask a question concerning this BEFORE I did my update.
I'm all set, but as I remember...I used COM 8. Can anyone confirm this
before I get started on my O2. (just for the heck of it, please report the
com port you used... see if everyone is on the same page)

And Floyd, a post just before yours from Onno said the following (you might
try):

Couple of things you might want to check;

1) installer version... When you download the TT firmware it will
install the latest version... Please check if you are indeed starting
the correct one.. it should be version 4.15... start the flash update
program and click help to find this information

2) settings; serial port > correct com port > stop on error...

3) update radio > select file and there you go (normally..)

Were you able to use the radio through remote control software prior to the
"dilemma" ?

Can you confirm that the flash process can be started again on orion
(push-hold user1 and pwr on)? As long as thats the case its a matter of
pushing the Bytes into the orion... As far as I know the flash program
does use verification of Bytes exchanged with Orion during the upgrade.

In case you have a second computer perhaps you can install the flash
updater on that one and see how that goes. It might be a comptability
issue.

Last but not least if you like a bit of hacking;

1) connect computer to orion through correct serial port
2) start a serial terminal program, 57600, 8 bits, hardware handshake.

3) power on the orion... using push-hold user1 + power on
4) the terminal program should display the message "ORION START" (i just checked)
5) within the terminal type the following ?V this will show something like "VER 1002-566"

If step 4 and 5 are providing information this will confirm your serial connection is operational... Thats good news. It also confirms the bootloader is still happy with you....

If above works something is cooking with the actual update program. Driver conflicts or whatever...

Hope this helps and let us know what you find. Best regards, Onno
---

Thanks in advance,
Sam
K3SAM

From: floydsense <floyd@...>
To: orion565@yahoogroups.com
Sent: Wednesday, February 1, 2012 5:43 PM
Subject: [orion565] A dilemma installing V3 on Orion II

First time trying to install any level of firmware on the Orion II here. Followed the instructions to the letter for V3 and preparing the O2 for the update. When the Update program started, I set the com port to COM1, which is a real serial port to the Orion and one that's been used daily for the past 8 months. Then, started the update, specifying the V3 .ruf file. No errors, but nothing really happened and the last line of the Update window said "Using serial interface: Using serial interface". Waited a while, nothing happened.

Then made a big mistake - recycled the Orion II and ran update again. I noticed in the port setup there was an option to ignore Orion responses and not check for errors and I selected that option (no check in box). Update then started and the bottom line of the window indicated it was on statement 4 of 10645, after about 5 minutes. Screen on O2 indicated Flash being erased. Then nothing more.

Killed update, cycled O2 power off/on, but it appears the firmware was erased. Tried the same process with the 2.044 firmware, NOT ignoring errors, and that got me an error message indicating communications with the O2 had failed. So, where to go from here?

Operating system is Win 7 and as I said the Com1 port is a real port that works just fine. I suppose I could try this from an XP laptop, but is there something else about the Com port that I've missed?

K8AC

[Non-text portions of this message have been removed]

Yahoo! Groups Links

7603. RE: [orion565] Re: A dilemma installing V3 on Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 02:12:22 UTC
From: John T. Fleming
Topic: 7588 Message: 7603

Floyd,

Did you try the scroll arrows on the com selection? I have many com options.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of floydsense
Sent: Wednesday, February 01, 2012 8:50 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: A dilemma installing V3 on Orion II

When I went to Setup in Update, only my first three com ports (com1, com2, com3) were offered as options. It should make no difference which you use, as long as that's the one the Orion is on!

73, K8AC

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , Sam W Jacobs CET <Sam@...> wrote:
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> I was just going to ask a question concerning this BEFORE I did my update. I'm all set, but as I remember...I used COM 8.Â Can anyone confirm this before I get started on my O2.Â (just for the heck of it, please report the com port you used... see if everyone is on the same page)
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>

[Non-text portions of this message have been removed]

7604. Re: [orion565] Does updating to V3.026 do that much for an Orion II without the RX366?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 03:35:39 UTC
From: K Van Horn
Topic: 7585 Message: 7604

Hi Bill,
The V3 receiver is quieter....noticeably!!,the SAF function is amazing..makes it a new radio!!,cleans up the errors on the screen, radio is made into very high end excellent transceiver. a brand new better radio for $0. The quieter receiver and the SAF make it an absolute necessity to go to V3. A year of programming by 2 systems programmers went into V3 WITH ABOUT 25 beta testers making sure that things worked as we wanted them to be working.I have v3.026 loaded in both oh my 566 es. It just makes the radios work better!! They shipped my 2 new sub receivers today, so I am anxiously waiting for those to arrive.
Enjoy your GREAT new Radio!!!!!!
73 es Gud DX,
Kirby,K7EC

From: k1fpv
Sent: Wednesday, February 01, 2012 15:28
To: orion565@yahoogroups.com
Subject: [orion565] Does updating to V3.026 do that much for an Orion II without the RX366?

I don't have the RX366 in my Orion II and am wondering if I'll really gain anything by updating the firmware. I'm happy with the Orion II right now the way it is. Any suggestions or comments?

Bill/K1FPV

[Non-text portions of this message have been removed]

7605. Re: [orion565] A dilemma installing V3 on Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 03:15:29 UTC
From: Richard
Topic: 7588 Message: 7605

It looks like this install may be too complicated for me, just looking at it. I read the instructions and don't have a clue where to begin. I wonder if I can take it over to ten Tec and get them to do it? If I get the new receiver can I still use the old one too? I like the broadcast band, usually leaving it on 670 kc for the oldies station. Sometimes use it to listen to ham bands also. I'm not an engineer, but an insurance guy and have two Master's degrees. I have been a ham for many years but electronic expertise is not my field.

C. Richard Pumphrey

NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

On Feb 1, 2012, at 7:48 PM, Sam W Jacobs CET <Sam@...> wrote:

> I was just going to ask a question concerning this BEFORE I did my update. I'm all set, but as I remember...I used COM 8. Can anyone confirm this before I get started on my O2. (just for the heck of it, please report the com port you used... see if everyone is on the same page)
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> And Floyd, a post just before yours from Onno said the following (you might try):
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> Couple of things you might want to check;
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> 1) installer version... When you download the TT firmware it will
> install the latest version... Please check if you are indeed starting
> the correct one.. it should be version 4.15... start the flash update
> program and click help to find this information
>
> 2) settings; serial port > correct com port > stop on error...
>
> 3) update radio > select file and there you go (normally..)
>
> Were you able to use the radio through remote control software prior to the "dilemma" ?
>
> Can you confirm that the flash process can be started again on orion
> (push-hold user1 and pwr on)? As long as thats the case its a matter of
> pushing the Bytes into the orion... As far as I know the flash program
> does use verification of Bytes exchanged with Orion during the upgrade.
>
> In case you have a second computer perhaps you can install the flash

> updater on that one and see how that goes. It might be a comptability
> issue.
>
> Last but not least if you like a bit of hacking;
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> 1) connect computer to orion through correct serial port
> 2) start a serial terminal program, 57600, 8 bits, hardware handshake.
> 3) power on the orion... using push-hold user1 + power on
> 4) the terminal program should display the message "ORION START" (i just checked)
> 5) within the terminal type the following ?V this will show something like "VER 1002-566"
>
> If step 4 and 5 are providing information this will confirm your serial
> connection is operational... Thats good news. It also confirms the
> bootloader is still happy with you....
>
> If above works something is cooking with the actual update program. Driver conflicts or
whatever...
>
> Hope this helps and let us know what you find. Best regards, Onno
> -------------------------=-=-=-------------------=-=-=---------------------=-=-=--------
------
>
> Thanks in advance,
> Sam
> K3SAM
>
> _________________________________
> From: floydsense <floyd@k8ac.net>
> To: orion565@yahoogroups.com
> Sent: Wednesday, February 1, 2012 5:43 PM
> Subject: [orion565] A dilemma installing V3 on Orion II
>
>
>
> First time trying to install any level of firmware on the Orion II here. Followed the
instructions to the letter for V3 and preparing the O2 for the update. When the Update
program started, I set the com port to COM1, which is a real serial port to the Orion and
one that's been used daily for the past 8 months. Then, started the update, specifying the
V3 .ruf file. No errors, but nothing really happened and the last line of the Update window
said "Using serial interface: Using serial interface". Waited a while, nothing happened.
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> Then made a big mistake - recycled the Orion II and ran update again. I noticed in the
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selected that option (no check in box). Update then started and the bottom line of the
window indicated it was on statement 4 of 10645, after about 5 minutes. Screen on O2
indicated Flash being erased. Then nothing more.
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> Killed update, cycled O2 power off/on, but it appears the firmware was erased. Tried the
same process with the 2.044 firmware, NOT ignoring errors, and that got me an error message
indicating communications with the O2 had failed. So, where to go from here?

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> Operating system is Win 7 and as I said the Com1 port is a real port that works just fine. I suppose I could try this from an XP laptop, but is there something else about the Com port that I've missed?
>
> K8AC
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7606. Re: [orion565] Orion 565 supply glitches

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 05:40:42 UTC
From: Larry Menzel
Topic: 7595 Message: 7606

If I have any bitch about TT, it's that damn cheap Molex power connector they use. I was having the same thing happen, especially if I inadvertently bumped the power cable when working around the back of the rig.

I'm seriously thinking about replacing that thing with an Anderson PowerPole connector, one that is tight and positive. I know a buddy of mine did exactly that. I upgraded my Orion II to the new firmware today, and bumped that plug...bang...radio blinked as you describe. I noticed that the female connector on the cable is actually burned and discolored from arcing! Powerpole connector for sure. I'll probably do that when I install the new second receiver board this weekend.

In the meantime, make sure the radio is off, pull out that plug, and with a small, thin flat blade screwdriver, gently slip in in the slit on that male pin on the connector on the radio. That will make for a more positive connection. Secondly, secure that cable with a tie wrap or something to keep it from moving around at all. Should help.

NOTE TO TT: How 'bout a better connector? Hmmmm

Larry, W0PR

On Wed, Feb 1, 2012 at 7:55 PM, Martin Sole <hs0zed@...> wrote:

> **
>
>
> This started happening a week or so ago, it's not firmware dependent.
>
> At power on the radio works normally but after a few minutes there will be
> a
> pop. The screen, meter and leds flash and the radio restarts. This
> typically
> happens several times spaced at several minutes. Then it seems to settle
> down and will run all day.
>
> It may well be my power supply. I haven't yet tried leaving it on 24 hours
> to see if it happens then or not. Just wonder if this might be a known
> problem, or rather a problem with a known fix!
>
> Thanks
>
> Martin, HS0ZED
>
> [Non-text portions of this message have been removed]

>
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>

[Non-text portions of this message have been removed]

7607. Re: [orion565] Does updating to V3.026 do that much for an Orion II without the RX366?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 05:51:25 UTC
From: Larry Menzel
Topic: 7585 Message: 7607

I echo Kirby's enthusiasm. I installed it on both my Orion and my Orion II today, and I must say, the radios are sounding absolutely great! The SAF function is marvelous. I was listening on 160 tonight and able to POP up weak signals as promised. I'm just learning how to use it, of course, and I'm really looking forward to getting my 366 installed this weekend.

By all means, load it up. It is worth the effort. I used my old XP machine with a real hardware COM 1 connection and it loaded perfectly on both radios first time. This is not a difficult process. Follow the directions as presented in the download package and it's hard to go wrong.

Good luck and go for it.

Larry, W0PR

On Wed, Feb 1, 2012 at 9:35 PM, K Van Horn <k7ec@midrivers.com> wrote:

> **
>
>
> Hi Bill,
> The V3 receiver is quieter....noticeably!!,the SAF function is
> amazing..makes it a new radio!!,cleans up the errors on the screen, radio
> is made into very high end excellent transceiver. a brand new better radio
> for $0. The quieter receiver and the SAF make it an absolute necessity to
> go to V3. A year of programming by 2 systems programmers went into V3 WITH
> ABOUT 25 beta testers making sure that things worked as we wanted them to
> be working.I have v3.026 loaded in both oh my 566 es. It just makes the
> radios work better!! They shipped my 2 new sub receivers today, so I am
> anxiously waiting for those to arrive.
> Enjoy your GREAT new Radio!!!!!!
> 73 es Gud DX,
> Kirby,K7EC
>
> From: k1fpv
> Sent: Wednesday, February 01, 2012 15:28
> To: orion565@...m
> Subject: [orion565] Does updating to V3.026 do that much for an Orion II
> without the RX366?
>
> I don't have the RX366 in my Orion II and am wondering if I'll really gain
> anything by updating the firmware. I'm happy with the Orion II right now
> the way it is. Any suggestions or comments?
>
> Bill/K1FPV

>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7608. RE: [orion565] Orion 565 supply glitches

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 06:11:17 UTC
From: Martin Sole
Topic: 7595 Message: 7608

Thanks for the replies, a couple of points.

The battery in my 565 died about a year ago. I replaced it with a coin holder and a CR2032 calculator battery. It may well be that this is too small for the job and that it is failing. Need to investigate that.

As to the power connector, I agree, It really would seem to need something more robust both electrically and mechanically. Mine overheated and melted the connector on the board. I removed it and wired a pigtail of sufficiently large wire through the hole and about 8 inches long to a pair of 30A powerpole connectors. These go to my 40A continuous super smooth and apparently glitch free ex commercial radio base station power supply, something from a Motorola VHF repeater I think.

Regards
Martin

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Larry Menzel
Sent: 02 February 2012 12:41
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion 565 supply glitches

If I have any bitch about TT, it's that damn cheap Molex power connector they use. I was having the same thing happen, especially if I inadvertently bumped the power cable when working around the back of the rig.

I'm seriously thinking about replacing that thing with an Anderson PowerPole connector, one that is tight and positive. I know a buddy of mine did exactly that. I upgraded my Orion II to the new firmware today, and bumped that plug...bang...radio blinked as you describe. I noticed that the female connector on the cable is actually burned and discolored from arcing! Powerpole connector for sure. I'll probably do that when I install the new second receiver board this weekend.

In the meantime, make sure the radio is off, pull out that plug, and with a small, thin flat blade screwdriver, gently slip in in the slit on that male pin on the connector on the radio. That will make for a more positive connection. Secondly, secure that cable with a tie wrap or something to keep it from moving around at all. Should help.

NOTE TO TT: How 'bout a better connector? Hmmmm

Larry, W0PR

On Wed, Feb 1, 2012 at 7:55 PM, Martin Sole <hs0zed@...> wrote:

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> This started happening a week or so ago, it's not firmware dependent.
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> will be a pop. The screen, meter and leds flash and the radio
> restarts. This typically happens several times spaced at several
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> hours to see if it happens then or not. Just wonder if this might be a
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> Thanks
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> Martin, HS0ZED
>
> [Non-text portions of this message have been removed]
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>
>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4780 - Release Date: 02/01/12

7609. Re: Orion 565 supply glitches

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 06:17:17 UTC
From: ve7tk
Topic: 7595 Message: 7609

Martin I 2nd Kirby's suggestion. It may well be the electrolytics on the Power Distribution board. When they go all kinds of weird things begin to happen.

73, Rick
VE7TK

--- In orion565@yahoogroups.com, "Martin Sole" <hs0zed@...> wrote:
>
> Thanks for the replies, a couple of points.
>
> The battery in my 565 died about a year ago. I replaced it with a coin
> holder and a CR2032 calculator battery. It may well be that this is too
> small for the job and that it is failing. Need to investigate that.
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> As to the power connector, I agree, It really would seem to need something
> more robust both electrically and mechanically. Mine overheated and melted
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> large wire through the hole and about 8 inches long to a pair of 30A
> powerpole connectors. These go to my 40A continuous super smooth and
> apparently glitch free ex commercial radio base station power supply,
> something from a Motorola VHF repeater I think.
>
> Regards
> Martin
>
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Larry Menzel
> Sent: 02 February 2012 12:41
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Orion 565 supply glitches
>
> If I have any bitch about TT, it's that damn cheap Molex power connector
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> bumped the power cable when working around the back of the rig.
>
> I'm seriously thinking about replacing that thing with an Anderson PowerPole
> connector, one that is tight and positive. I know a buddy of mine did
> exactly that. I upgraded my Orion II to the new firmware today, and bumped
> that plug...bang...radio blinked as you describe. I noticed that the female
> connector on the cable is actually burned and discolored from arcing!
> Powerpole connector for sure. I'll probably do that when I install the new
> second receiver board this weekend.
>

> In the meantime, make sure the radio is off, pull out that plug, and with a
> small, thin flat blade screwdriver, gently slip in in the slit on that male
> pin on the connector on the radio. That will make for a more positive
> connection. Secondly, secure that cable with a tie wrap or something to
> keep it from moving around at all. Should help.
>
> NOTE TO TT: How 'bout a better connector? Hmmmm
>
> Larry, W0PR
>
> On Wed, Feb 1, 2012 at 7:55 PM, Martin Sole <hs0zed@...> wrote:
>
> > **
> > >
> > >
> > > This started happening a week or so ago, it's not firmware dependent.
> > >
> > > At power on the radio works normally but after a few minutes there
> > > will be a pop. The screen, meter and leds flash and the radio
> > > restarts. This typically happens several times spaced at several
> > > minutes. Then it seems to settle down and will run all day.
> > >
> > > It may well be my power supply. I haven't yet tried leaving it on 24
> > > hours to see if it happens then or not. Just wonder if this might be a
> > > known problem, or rather a problem with a known fix!
> > >
> > > Thanks
> > >
> > > Martin, HS0ZED
> > >
> > > [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.1913 / Virus Database: 2112/4780 - Release Date: 02/01/12
>

7610. Re: [orion565] A dilemma installing V3 on Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 06:17:23 UTC
From: Per Bekker-Madsen
Topic: 7588 Message: 7610

Floyd
Read the manual page 49 and 50 (Updating ORION II over the Internet read
para 3) I guess thats why it didnt work for you.

Knd rgds

Per OZ1EQC

2012/2/1 floydsense <floyd@...>

> **
>
>
> First time trying to install any level of firmware on the Orion II here.
> Followed the instructions to the letter for V3 and preparing the O2 for the
> update. When the Update program started, I set the com port to COM1, which
> is a real serial port to the Orion and one that's been used daily for the
> past 8 months. Then, started the update, specifying the V3 .ruf file. No
> errors, but nothing really happened and the last line of the Update window
> said "Using serial interface: Using serial interface". Waited a while,
> nothing happened.
>
> Then made a big mistake - recycled the Orion II and ran update again. I
> noticed in the port setup there was an option to ignore Orion responses and
> not check for errors and I selected that option (no check in box). Update
> then started and the bottom line of the window indicated it was on
> statement 4 of 10645, after about 5 minutes. Screen on O2 indicated Flash
> being erased. Then nothing more.
>
> Killed update, cycled O2 power off/on, but it appears the firmware was
> erased. Tried the same process with the 2.044 firmware, NOT ignoring
> errors, and that got me an error message indicating communications with the
> O2 had failed. So, where to go from here?
>
> Operating system is Win 7 and as I said the Com1 port is a real port that
> works just fine. I suppose I could try this from an XP laptop, but is there
> something else about the Com port that I've missed?
>
> K8AC
>
>
>

[Non-text portions of this message have been removed]

7611. Re: [orion565] Does updating to V3.026 do that much for an Orion II without the RX366?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 06:24:48 UTC
From: Per Bekker-Madsen
Topic: 7585 Message: 7611

Bill
I have the 565, and believe me you will be schocked whwn you hear the radio after the update.
I do not have the RX366 either, but it blew me of the chair. Especially the SAF is unbelievable in both SSB and CW. And the receiver noise floor has changed dramaticaly. I have the same feeling as when I turned from my OMNI VII to the ORION Dont miss it....

73 Per OZ1EQC

2012/2/1 k1fpv <k1fpv@...>

> **
>
>
> I don't have the RX366 in my Orion II and am wondering if I'll really gain
> anything by updating the firmware. I'm happy with the Orion II right now
> the way it is. Any suggestions or comments?
>
> Bill/K1FPV
>
>
>

[Non-text portions of this message have been removed]

7612. V3.025 Not really a snag but...

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 06:47:07 UTC
From: Martin Sole
Topic: 7612 Message: 7612

I really like it. As most have said the SAF works great and well worth the upgrade alone. Other changes seem to have made the receiver sound a bit better and now with the ability to set which items get tracked across the 2 receivers it's even more flexible.

One little gripe as I put it to the test, been chasing VP6T, 18m CW before they closed last night, FW, FO and TO4M plus some others I'm noticing that the key presses seem a lot less responsive. It seems I need to deliberately press and hold the keys for them to be actioned, as if they are not being scanned fast enough. I see this with the push action on the rotary controls not just the keys. Definitely seems slower than it was. I hate to say it's feeling sluggish, though to me it is. Anyone else notice this?

Regards

Martin, HS0ZED

[Non-text portions of this message have been removed]

7613. Re: V3 update not successful yet

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 07:00:17 UTC
From: pa1ap
Topic: 7555 Message: 7613

Not a battery expert at all but measuring the voltage over the battery on my end did show the voltage to be below spec. Will need to look up what value I wrote down. But I still had the issue... Ordered battery at TT and week later replaced the battery and problem gone... I also noticed the voltage was higher than the specs... this measured with battery outside the TT..

If you can upgrade and after a night of sleep the unit starts again it seems to me the battery has recovered during the night but will discharge a little more soon... How cold is the shack? Just like car batteries I see most people struggle during the winter period trying to start their engine...

Regards, Onno

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:
>
>
> Thank you Onno. As a matter of fact I had the hood off a couple of months ago and thought I would check the battery voltage while I was there. It measured about 0.1 V above manufacturer specs so I'm assuming that it is good. And you make a good point , because I did go back and try to reload 2.064x11 last night after having no success with V3 and I couldn't get IT to start up either. so I reloaded V3 and just turned the power off and went to bed. This morning I turned the power on and it came right up in the new version and has been running all day with no issues. Now I'm afraid to turn it off again!
>
> To: orion565@yahoogroups.com
> From: pa1ap@...
> Date: Wed, 1 Feb 2012 13:01:35 +0000
> Subject: [orion565] Re: V3 update not successful yet
>
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>
> Recently I had simillar experience and in my case the cpu battery became bad. It kept on looping after power on, showed all the boot messages and even allowed me to answer yes to the questions raised. But then it looped to the start again.
>
>
>
> Your case might be different but that was my experience. replacing the battery fixed it for me and it seems there lifetime is about 6 years.
>
>
>
> Can you confirm if you can load a different firmware version which will make the orion operational? If none of the firmware versions will make orion operational it sound logical the battery is flat...
>
>
>
> Best regards, onno
>
>
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
>
> >
>
> > Are you using a USB serial port adapter? I've heard that some of them can
>
> > be problematic.
>
> >
>
> > Barry N1EU
>
> >
>
> > On Wed, Feb 1, 2012 at 5:02 AM, art davis <n4uc@> wrote:
>
> >
>
> > > **

>
> > >
>
> > >
>
> > >
>
> > >
>
> > > After loading the new version 3.025 firmware into my 565, doing a master
>
> > > reset and clearing the memories, the radio lights up as it should but stops
>
> > > one step short of going operational. The screen displays the normal TT
>
> > > logo, Version number, date, time, DSP version and goes no further. I have
>
> > > repeated the process with same results. I am upgrading from 2.064x11.
>
> > >
>
> > > I do not have the RX=366 installed and therefore I select "NO" when asked.
>
> > >
>
> > > I am going to start all over and download the file again and try again.
>
> > > Any other suggestions?
>
> > >
>
> > > Tnx, Art N4UC
>
> > >
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> > > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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7614. Re: A dilemma installing V3 on Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 07:04:55 UTC
From: pa1ap
Topic: 7588 Message: 7614

Thanks for feedback and happy to hear you got it running.

--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
>
>
>
>
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>
>
> I know you can't "destroy" the Orion this way, but I can assure you that it's possible to get your flash memory erased and end up with a comatose Orion II. I've succeeded in getting V3 running on the Orion II, but I'm not pleased with how I had to do it.
>
> Here are facts:
>
> 1. For whatever reason, it's not possible to do the update from my 32 bit Windows 7 system using the serial port cards I have installed. Since the Update program tells you virtually nothing about the nature of the error it discovered, I don't know the nature of the error. What I do know is that these ports run the normal communications with the Orion just fine, using every logging program I've used here. Since the Orion doesn't "play well" in this environment, it will be for sale in the near future.
>
> 2. While the conventional wisdom is to NOT use a USB/serial converter for the Update process, I was left with no other alternative since my laptops have no serial ports. Using a USB/Serial converter with a Prolific chip set, running with my Win XP 32 bit system, the Update worked correctly. Total elapsed time was 303 seconds.
>
> 3. Hyperterminal is no longer shipped free with Windows 7 - not sure if that started with Win 7 or Vista. So, trying a "terminal" program to see if that can communicate with the Orion II is not quite so easy. Yes, I know there are other free trial terminal programs available.
>
> 4. As you said, firing up the Orion II with hyperterminal (under Win XP) resulted in the "Orion Start" message as you indicated. Good to know.
>
> 5. The same problem occurred when I tried to reinstall 2.044, so whatever the problem is, it apparently isn't unique to the V3 firmware install.
>
> Other comments:

>
> I did have a serial port monitor program on my Win 7 system that I could use to monitor the Update when it failed. I could see Update opening the port and sending a string that began with "3F 56 0D" which I interpret as "?V" and CR. According to your comments, that should have resulted in the firmware level being returned. It appears that there was no response seen. I assume that RTS/CTS are being used but did not monitor those lines. There are many possibilities for the error - one being that the application isn't raising RTS or isn't waiting for CTS before sending. There are other combinations that would cause the same problem. Why it works fine on XP and not on my Win 7 machine will remain a mystery until I have time to monitor and trace the failing situation.
>
> Thanks for your ideas as they did lead me down the right path!
>
> 73, Floyd - K8AC
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > As far as I know you cannot "destroy" the orion this way.
> >
> > Couple of things you might want to check;
> >
> > 1) installer version... When you download the TT firmware it will install the latest version... Please check if you are indeed starting the correct one.. it should be version 4.15... start the flash update program and click help to find this information
> >
> > 2) settings; serial port > correct com port > stop on error...
> >
> > 3) update radio > select file and there you go (normally..)
> >
> > Were you able to use the radio through remote control software prior to the "dilemma" ?
> >
> > Can you confirm that the flash process can be started again on orion (push-hold user1 and pwr on)? As long as thats the case its a matter of pushing the Bytes into the orion... As far as I know the flash program does use verification of Bytes exchanged with Orion during the upgrade.
> >
> > In case you have a second computer perhaps you can install the flash updater on that one and see how that goes. It might be a comptability issue.
> >
> > Last but not least if you like a bit of hacking;
> >
> > 1) connect computer to orion through correct serial port
> > 2) start a serial terminal program, 57600, 8 bits, hardware handshake.
> > 3) power on the orion... using push-hold user1 + power on
> > 4) the terminal program should display the message "ORION START" (i just checked)
> > 5) within the terminal type the following ?V this will show something like "VER 1002-566"
> >
> >
> > If step 4 and 5 are providing information this will confirm your serial connection is

operational... Thats good news. It also confirms the bootloader is still happy with you....
> >
> > If above works something is cooking with the actual update program. Driver conflicts or whatever...
> >
> >
> > Hope this helps and let us know what you find. Best regards, Onno
> >
>

7615. Re: A dilemma installing V3 on Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 07:12:22 UTC
From: pa1ap
Topic: 7588 Message: 7615

If you like I can walk you through by phone. Just send me an email and time.

Its pretty simple;

1) first confirm your serial connection works. Just to make sure prior to any upgrade stuff... Use any software to control the orion and you would know. I can also send you backup / restore program which will also confirm if serial connection works...

/// just make sure step 1 is confirmed before attempting upgrade ///

2) switch off your orion... push-hold user1 and power unit on... Screen should say "flash update"

3) start update program, select the correct comport and select update

4) it should start and you will see a counter counting on both orion and computer program. wait for about 5 minutes and your done.

5) unit reboots and you should see nice screens with V3 code ;-)

6) to avoid conflicts you have to power off / on the unit twice with key combination to ensure everything is cleaned up... this process looks very complex on paper but cannot harm your orion...

Thats all.. Best regards, Onno

--- In orion565@yahoogroups.com, Richard <wn9ddv@...> wrote:
>
> It looks like this install may be too complicated for me, just looking at it. I read the instructions and don't have a clue where to begin. I wonder if I can take it over to ten Tec and get them to do it? If I get the new receiver can I still use the old one too? I like the broadcast band, usually leaving it on 670 kc for the oldies station. Sometimes use it to listen to ham bands also. I'm not an engineer, but an insurance guy and have two Master's degrees. I have been a ham for many years but electronic expertise is not my field.
>
> C. Richard Pumphrey
>
>
> NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.
>
>
>
>

>
>
> On Feb 1, 2012, at 7:48 PM, Sam W Jacobs CET <Sam@...> wrote:
>
> > I was just going to ask a question concerning this BEFORE I did my update. I'm all set, but as I remember...I used COM 8. Can anyone confirm this before I get started on my O2. (just for the heck of it, please report the com port you used... see if everyone is on the same page)
> >
> > ------------------------=-=-=------------------=-=-=--------------------=-=-=----------
> >
> > And Floyd, a post just before yours from Onno said the following (you might try):
> >
> > Couple of things you might want to check;
> >
> > 1) installer version... When you download the TT firmware it will
> > install the latest version... Please check if you are indeed starting
> > the correct one.. it should be version 4.15... start the flash update
> > program and click help to find this information
> >
> > 2) settings; serial port > correct com port > stop on error...
> >
> > 3) update radio > select file and there you go (normally..)
> >
> > Were you able to use the radio through remote control software prior to the "dilemma" ?
> >
> > Can you confirm that the flash process can be started again on orion
> > (push-hold user1 and pwr on)? As long as thats the case its a matter of
> > pushing the Bytes into the orion... As far as I know the flash program
> > does use verification of Bytes exchanged with Orion during the upgrade.
> >
> > In case you have a second computer perhaps you can install the flash
> > updater on that one and see how that goes. It might be a comptability
> > issue.
> >
> > Last but not least if you like a bit of hacking;
> >
> > 1) connect computer to orion through correct serial port
> > 2) start a serial terminal program, 57600, 8 bits, hardware handshake.
> > 3) power on the orion... using push-hold user1 + power on
> > 4) the terminal program should display the message "ORION START" (i just checked)
> > 5) within the terminal type the following ?V this will show something like "VER 1002-566"
> >
> > If step 4 and 5 are providing information this will confirm your serial
> > connection is operational... Thats good news. It also confirms the
> > bootloader is still happy with you....
> >
> > If above works something is cooking with the actual update program. Driver conflicts or

whatever...
> >
> > Hope this helps and let us know what you find. Best regards, Onno
> > ------------------------=-=-=------------------=-=-=--------------------=-=-=------
----
> >
> > Thanks in advance,
> > Sam
> > K3SAM
> >
> > _____
> > From: floydsense <floyd@...>
> > To: orion565@yahoogroups.com
> > Sent: Wednesday, February 1, 2012 5:43 PM
> > Subject: [orion565] A dilemma installing V3 on Orion II
> >
> >
> >
> > First time trying to install any level of firmware on the Orion II here. Followed the instructions to the letter for V3 and preparing the O2 for the update. When the Update program started, I set the com port to COM1, which is a real serial port to the Orion and one that's been used daily for the past 8 months. Then, started the update, specifying the V3 .ruf file. No errors, but nothing really happened and the last line of the Update window said "Using serial interface: Using serial interface". Waited a while, nothing happened.
> >
> > Then made a big mistake - recycled the Orion II and ran update again. I noticed in the port setup there was an option to ignore Orion responses and not check for errors and I selected that option (no check in box). Update then started and the bottom line of the window indicated it was on statement 4 of 10645, after about 5 minutes. Screen on O2 indicated Flash being erased. Then nothing more.
> >
> > Killed update, cycled O2 power off/on, but it appears the firmware was erased. Tried the same process with the 2.044 firmware, NOT ignoring errors, and that got me an error message indicating communications with the O2 had failed. So, where to go from here?
> >
> > Operating system is Win 7 and as I said the Com1 port is a real port that works just fine. I suppose I could try this from an XP laptop, but is there something else about the Com port that I've missed?
> >
> > K8AC
> >
> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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7616. Re: [orion565] Re: A dilemma installing V3 on Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 08:15:15 UTC
From: Michael W Elliott
Topic: 7588 Message: 7616

I installed Version 3 this morning from a XP machine and it went very smooth without any problems.
I used a Keyspan usb/db9 converter and all 10645 lines loaded without any problems
Did the Master Reset and the Memory Clear
I do notice the Orion II is quieter and more responsive
I will hold off on getting the sub-receiver until I get and see more comments from the Orion usersdeMikeKQ0B

Michael W. Elliott
SKYPE: elliottmw
"THE INSIDE ADVANTAGE"   -
RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri
God Bless America

DX-IS
DXCC Honor Roll, 5bWAZ , WAE I,II,III, WAE Top - Mixed
    WAE I,II,III, WAE Top - CW 9 Band DXCC

--- On Thu, 2/2/12, pa1ap <pa1ap@...> wrote:

From: pa1ap <pa1ap@nextchallenge.net>
Subject: [orion565] Re: A dilemma installing V3 on Orion II
To: orion565@yahoogroups.com
Date: Thursday, February 2, 2012, 1:04 AM

Thanks for feedback and happy to hear you got it running.

--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:

>

>

>

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>

> I know you can't "destroy" the Orion this way, but I can assure you that it's possible to get your flash memory erased and end up with a comatose Orion II. I've succeeded in getting V3 running on the Orion II, but I'm not pleased with how I had to do it.

>

> Here are facts:

>

> 1. For whatever reason, it's not possible to do the update from my 32 bit Windows 7 system using the serial port cards I have installed. Since the Update program tells you virtually nothing about the nature of the error it discovered, I don't know the nature of the error. What I do know is that these ports run the normal communications with the Orion just fine, using every logging program I've used here. Since the Orion doesn't "play well" in this environment, it will be for sale in the near future.

>

> 2. While the conventional wisdom is to NOT use a USB/serial converter for the Update process, I was left with no other alternative since my laptops have no serial ports. Using a USB/Serial converter with a Prolific chip set, running with my Win XP 32 bit system, the Update worked correctly. Total elapsed time was 303 seconds.

>

> 3. Hyperterminal is no longer shipped free with Windows 7 - not sure if that started with Win 7 or Vista. So, trying a "terminal" program to see if that can communicate with the Orion II is not quite so easy. Yes, I know there are other free trial terminal programs available.

>

> 4. As you said, firing up the Orion II with hyperterminal (under Win XP) resulted in the "Orion Start" message as you indicated. Good to know.

>

> 5. The same problem occurred when I tried to reinstall 2.044, so whatever the problem is, it apparently isn't unique to the V3 firmware install.

>

> Other comments:

>

> I did have a serial port monitor program on my Win 7 system that I could use to monitor the Update when it failed. I could see Update opening the port and sending a string that began with "3F 56 0D" which I interpret as "?V" and CR. According to your comments, that

should have resulted in the firmware level being returned. It appears that there was no response seen. I assume that RTS/CTS are being used but did not monitor those lines. There are many possibilities for the error - one being that the application isn't raising RTS or isn't waiting for CTS before sending. There are other combinations that would cause the same problem. Why it works fine on XP and not on my Win 7 machine will remain a mystery until I have time to monitor and trace the failing situation.

>

> Thanks for your ideas as they did lead me down the right path!

>

> 73, Floyd - K8AC

>

> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:

> >

> > As far as I know you cannot "destroy" the orion this way.

> >

> > Couple of things you might want to check;

> >

> > 1) installer version... When you download the TT firmware it will install the latest version... Please check if you are indeed starting the correct one.. it should be version 4.15... start the flash update program and click help to find this information

> >

> > 2) settings; serial port > correct com port > stop on error...

> >

> > 3) update radio > select file and there you go (normally..)

> >

> > Were you able to use the radio through remote control software prior to the "dilemma" ?

> >

> > Can you confirm that the flash process can be started again on orion (push-hold user1 and pwr on)? As long as thats the case its a matter of pushing the Bytes into the orion... As far as I know the flash program does use verification of Bytes exchanged with Orion during the upgrade.

> >

> > In case you have a second computer perhaps you can install the flash updater on that one and see how that goes. It might be a comptability issue.

> >

> > Last but not least if you like a bit of hacking;

> >

> > 1) connect computer to orion through correct serial port

> > 2) start a serial terminal program, 57600, 8 bits, hardware handshake.

> > 3) power on the orion... using push-hold user1 + power on

> > 4) the terminal program should display the message "ORION START" (i just checked)

> > 5) within the terminal type the following ?V this will show something like "VER 1002-566"

> >

> >

> > If step 4 and 5 are providing information this will confirm your serial connection is operational... Thats good news. It also confirms the bootloader is still happy with you....

> >

> > If above works something is cooking with the actual update program. Driver conflicts or whatever...

> >

> >

> > Hope this helps and let us know what you find. Best regards, Onno

> >

>

[Non-text portions of this message have been removed]

7617. Re: [orion565] Re: A dilemma installing V3 on Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 08:22:29 UTC
From: Michael W Elliott
Topic: 7588 Message: 7617

You might want to check your Control Panel Systems device to see the Comm Port your USB cable is plugged in
I generally unplug all other usb devices when I do install of Orion firmware
I have a Win7 machine but never use it with the Orion
good luck

Michael W. Elliott
SKYPE: elliottmw
"THE INSIDE ADVANTAGE" -
RETIREMENT - LEISURE, REST and ONLY ELECTRONIC MAIL PAYMENTS
Servant to Bridgett, Collin and all my Creditors
St. Louis County Missouri
God Bless America

DX-IS
DXCC Honor Roll, 5bWAZ , WAE I,II,III, WAE Top - Mixed
    WAE I,II,III, WAE Top - CW 9 Band DXCC

--- On Thu, 2/2/12, pa1ap <pa1ap@...> wrote:

From: pa1ap <pa1ap@nextchallenge.net>
Subject: [orion565] Re: A dilemma installing V3 on Orion II
To: orion565@yahoogroups.com
Date: Thursday, February 2, 2012, 1:04 AM

Thanks for feedback and happy to hear you got it running.

--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:

>

>

>

>

>

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>

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>

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>

>

> I know you can't "destroy" the Orion this way, but I can assure you that it's possible to get your flash memory erased and end up with a comatose Orion II. I've succeeded in getting V3 running on the Orion II, but I'm not pleased with how I had to do it.

>

> Here are facts:

>

> 1. For whatever reason, it's not possible to do the update from my 32 bit Windows 7 system using the serial port cards I have installed. Since the Update program tells you virtually nothing about the nature of the error it discovered, I don't know the nature of the error. What I do know is that these ports run the normal communications with the Orion just fine, using every logging program I've used here. Since the Orion doesn't "play well" in this environment, it will be for sale in the near future.

>

> 2. While the conventional wisdom is to NOT use a USB/serial converter for the Update process, I was left with no other alternative since my laptops have no serial ports. Using a USB/Serial converter with a Prolific chip set, running with my Win XP 32 bit system, the Update worked correctly. Total elapsed time was 303 seconds.

>

> 3. Hyperterminal is no longer shipped free with Windows 7 - not sure if that started with Win 7 or Vista. So, trying a "terminal" program to see if that can communicate with the Orion II is not quite so easy. Yes, I know there are other free trial terminal programs available.

>

> 4. As you said, firing up the Orion II with hyperterminal (under Win XP) resulted in the "Orion Start" message as you indicated. Good to know.

>

> 5. The same problem occurred when I tried to reinstall 2.044, so whatever the problem is, it apparently isn't unique to the V3 firmware install.

>

> Other comments:

>

> I did have a serial port monitor program on my Win 7 system that I could use to monitor the Update when it failed. I could see Update opening the port and sending a string that began with "3F 56 0D" which I interpret as "?V" and CR. According to your comments, that should have resulted in the firmware level being returned. It appears that there was no

response seen. I assume that RTS/CTS are being used but did not monitor those lines. There are many possibilities for the error - one being that the application isn't raising RTS or isn't waiting for CTS before sending. There are other combinations that would cause the same problem. Why it works fine on XP and not on my Win 7 machine will remain a mystery until I have time to monitor and trace the failing situation.

>

> Thanks for your ideas as they did lead me down the right path!

>

> 73, Floyd - K8AC

>

> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:

> >

> > As far as I know you cannot "destroy" the orion this way.

> >

> > Couple of things you might want to check;

> >

> > 1) installer version... When you download the TT firmware it will install the latest version... Please check if you are indeed starting the correct one.. it should be version 4.15... start the flash update program and click help to find this information

> >

> > 2) settings; serial port > correct com port > stop on error...

> >

> > 3) update radio > select file and there you go (normally..)

> >

> > Were you able to use the radio through remote control software prior to the "dilemma" ?

> >

> > Can you confirm that the flash process can be started again on orion (push-hold user1 and pwr on)? As long as thats the case its a matter of pushing the Bytes into the orion... As far as I know the flash program does use verification of Bytes exchanged with Orion during the upgrade.

> >

> > In case you have a second computer perhaps you can install the flash updater on that one and see how that goes. It might be a comptability issue.

> >

> > Last but not least if you like a bit of hacking;

> >

> > 1) connect computer to orion through correct serial port

> > 2) start a serial terminal program, 57600, 8 bits, hardware handshake.

> > 3) power on the orion... using push-hold user1 + power on

> > 4) the terminal program should display the message "ORION START" (i just checked)

> > 5) within the terminal type the following ?V this will show something like "VER 1002-566"

> >

> >

> > If step 4 and 5 are providing information this will confirm your serial connection is operational... Thats good news. It also confirms the bootloader is still happy with you....

> >

> > If above works something is cooking with the actual update program. Driver conflicts or whatever...

> >

> >

> > Hope this helps and let us know what you find. Best regards, Onno

> >

>

[Non-text portions of this message have been removed]

7618. V. 3.026

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 08:34:55 UTC
From: billw5ao
Topic: 7618 Message: 7618

John Henry for President!

Love the SAF on cw and never expected it would be useful on SSB but it gives essentially a tone control boost and makes receive sound wonderful.

1. I think my POD Enc Rate follows VFO-A Enc Rate instead of menu setting for POD Enc Rate.

2. Didn't we used to have fast and slow encode rate for fast SSB and slow for CW? If so, that is missed. Fast is good for SSB but too fast for CW at 10hz, maybe I will try 1 hz on cw.

3. I think my max power output is down now with v3.026, now getting 76 watts with PWR at 100 (LP-100A). Amp puts out 1500 with 35 so not really a problem but I remember getting 100 out with a previous version. I have never set the output pot.

Installed easily on a mac using windows 7 through vmware fusion emulator and through a USB/Serial converter, although the update took a long time.

Overall excellent upgrade, thanks.

Bill W5AO

7619. 3.026 Firmware Bug

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 09:48:52 UTC
From: chinson0
Topic: 7619 Message: 7619

After installing the new firmware on my Orion 2 I noticed the H/W mic gain does not change the audio output. I did both resets and reloaded the firmware.
Does anybody else have this same problem?
73, Chris K4osk

7620. Fwd: FW: 566 V3.026 Installed

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 11:51:31 UTC
From: Peter Frenning [OZ1PIF]
Topic: 7620 Message: 7620

Looks very good on my 566AT.

Update initially went south (WinXP 32-bit on a VirtualBox running on Ubuntu 11.10 using Prolific USB->serial adapter, Combo used to work for updates, but alas not this time!)

Found an old version of XP (Native multiboot) on my laptop, and ran update here (again using the Prolific adapter) no problems this time, followed instructions to the letter and everything works fine! Oh, one thing though: the Prolific adapter installed as COM4 - that didn't work, had to rename to COM1 - then it worked just fine - riddle me that?

No RX366 here, and no immediate plans to acquire one...

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Genius is one per cent inspiration, **
** and ninety-nine per cent **
** perspiration. **
** -- Thomas A. Edison **
****
email: peter(no-spamfiller)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

7621. Re: [orion565] V. 3.026

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 12:02:09 UTC
From: Sam W Jacobs CET
Topic: 7618 Message: 7621

As of right now, I cannot get V3 to load. My emulator (USB to Serial) says I'm on COM5 (I unplug it and it goes away, plug it back in and it shows COM5). I will play with it some more this morning and if I can't get it to load I'll call T*T. It might be that the settings for baud rate, etc. are wrong, but I don't want to change anything yet as I'm just not sure.

I see "bugs" are already surfacing, I hope John and the Gang can address them lick-a-dee split. No one's perfect.

73,
Sam
K3SAM

From: billw5ao <w5ao@...>
To: orion565@yahoogroups.com
Sent: Thursday, February 2, 2012 3:34 AM
Subject: [orion565] V. 3.026

John Henry for President!

Love the SAF on cw and never expected it would be useful on SSB but it gives essentially a tone control boost and makes receive sound wonderful.

1. I think my POD Enc Rate follows VFO-A Enc Rate instead of menu setting for POD Enc Rate.

2. Didn't we used to have fast and slow encode rate for fast SSB and slow for CW? If so, that is missed. Fast is good for SSB but too fast for CW at 10hz, maybe I will try 1 hz on cw.

3. I think my max power output is down now with v3.026, now getting 76 watts with PWR at 100 (LP-100A). Amp puts out 1500 with 35 so not really a problem but I remember getting 100 out with a previous version. I have never set the output pot.

Installed easily on a mac using windows 7 through vmware fusion emulator and through a USB/Serial converter, although the update took a long time.

Overall excellent upgrade, thanks.

Bill W5AO

[Non-text portions of this message have been removed]

7622. Re: [orion565] 3.026 Firmware Bug

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 12:34:41 UTC
From: k3xr@comcast.net
Topic: 7619 Message: 7622

Same result here Chris, DAN, K3XR

----- Original Message -----
From: "chinson0" <chinson1@...>
To: orion565@yahoogroups.com
Sent: Thursday, February 2, 2012 4:48:52 AM
Subject: [orion565] 3.026 Firmware Bug

After installing the new firmware on my Orion 2 I noticed the H/W mic gain does not change the audio output. I did both resets and reloaded the firmware.
Does anybody else have this same problem?
73, Chris K4osk

[Non-text portions of this message have been removed]

7623. Re: [orion565] V. 3.026

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 13:49:04 UTC
From: Per Bekker-Madsen
Topic: 7618 Message: 7623

Sam

You can change the comport settings in Control Panel
System/Hardware/Comport under advanced you can change it to another comport
number.

73 Per OZ1EQC

2012/2/2 Sam W Jacobs CET <Sam@...>

> **
>
>
> As of right now, I cannot get V3 to load. My emulator (USB to Serial)
> says I'm on COM5 (I unplug it and it goes away, plug it back in and it
> shows COM5). I will play with it some more this morning and if I can't get
> it to load I'll call T*T. It might be that the settings for baud rate,
> etc. are wrong, but I don't want to change anything yet as I'm just not
> sure.
>
> I see "bugs" are already surfacing, I hope John and the Gang can address
> them lick-a-dee split. No one's perfect.
>
> 73,
> Sam
> K3SAM
>
> _____
> From: billw5ao <w5ao@...>
> To: orion565@yahoogroups.com
> Sent: Thursday, February 2, 2012 3:34 AM
> Subject: [orion565] V. 3.026
>
>
>
>
> John Henry for President!
>
> Love the SAF on cw and never expected it would be useful on SSB but it
> gives essentially a tone control boost and makes receive sound wonderful.
>
> 1. I think my POD Enc Rate follows VFO-A Enc Rate instead of menu setting
> for POD Enc Rate.
>
> 2. Didn't we used to have fast and slow encode rate for fast SSB and slow
> for CW? If so, that is missed. Fast is good for SSB but too fast for CW at
> 10hz, maybe I will try 1 hz on cw.

>
> 3. I think my max power output is down now with v3.026, now getting 76
> watts with PWR at 100 (LP-100A). Amp puts out 1500 with 35 so not really a
> problem but I remember getting 100 out with a previous version. I have
> never set the output pot.
>
> Installed easily on a mac using windows 7 through vmware fusion emulator
> and through a USB/Serial converter, although the update took a long time.
>
> Overall excellent upgrade, thanks.
>
> Bill W5AO
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

7624. Re: V3.025 Not really a snag but...

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 13:53:25 UTC
From: saukp
Topic: 7612 Message: 7624

i have also updated my 565 to V3
which went smoothly using the procedure describe in the addendum

my setup is iMac running osx 10.6.8 with VMware running Xp and usb/serial adapter

i only spent about 1/2 hours playing with the radio after the update

BUT

i have also noticed the same sluggish response of the controls

i also noticed my power output is now 120 watts when power set to 100 and the meter does full beg to the right ;-(

had to turn power to 88 to get 100 watts and normal fullscale meter reading

like the SAF, receiver seems hotter

hope to get more time later today to run some more thorough testing

Paul K3SF

--- In orion565@yahoogroups.com, "Martin Sole" <hs0zed@...> wrote:
>
>
>
> I really like it. As most have said the SAF works great and well worth the
> upgrade alone. Other changes seem to have made the receiver sound a bit
> better and now with the ability to set which items get tracked across the 2
> receivers it's even more flexible.
>
>
>
> One little gripe as I put it to the test, been chasing VP6T, 18m CW before
> they closed last night, FW, FO and TO4M plus some others I'm noticing that
> the key presses seem a lot less responsive. It seems I need to deliberately
> press and hold the keys for them to be actioned, as if they are not being
> scanned fast enough. I see this with the push action on the rotary controls
> not just the keys. Definitely seems slower than it was. I hate to say it's
> feeling sluggish, though to me it is. Anyone else notice this?
>
>
>
> Regards
>
> Martin, HS0ZED
>

>
>
>
>
> [Non-text portions of this message have been removed]
>

7625. Re: A dilemma installing V3 on Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 13:56:55 UTC
From: John K Gotwals
Topic: 7588 Message: 7625

On my 565 update, I have to configured the serial port for 57,600 baud, no parity, 8 data bits and 1 stop bit. I am running 64-bit Windows 7, and the V3 upgrade was uneventful.

N9JG

[Non-text portions of this message have been removed]

7626. Re: 3.026 Firmware Bug

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 16:25:58 UTC
From: John
Topic: 7619 Message: 7626

ok, I need some help on this one.

The Orion II 566's I have at TenTec only have one pot on the logic board, and that is for the s-meter.
As far as I know, there is no hardware mic gain adjustment in the 566.
I don't think it ever shipped with a hw mic gain adjustment. I could be wrong since I was not part of the early Orion 2 development or shipments.

With that being said, I did re-test the software MIC gain adjustment from the front panel. I used a 566 with the 366 and a 566 with the stock rx, using a 708 and a Regal mic. I found that I can adjust power output by using the MIC gain on the front panel.

The 565 on the other hand has three pots on the logic board, one for contrast, one for smeter, and one for hw mic gain. I've verified that the 565 is also working properly when one adjusts hw mic gain and the software mic gain.

So I need a bit more info on this one to help out.

Thanks,
John Henry
TenTec Inc.

--- In orion565@yahoogroups.com, k3xr@... wrote:
>
> Same result here Chris,Â DAN, K3XR
>
> ----- Original Message -----
> From: "chinson0" <chinson1@...>
> To: orion565@yahoogroups.com
> Sent: Thursday, February 2, 2012 4:48:52 AM
> Subject: [orion565] 3.026 Firmware Bug
>
> Â
>
>
>
>
> After installing the new firmware on my Orion 2 I noticed the H/W mic gain does not change the audio output. I did both resets and reloaded the firmware.
> Does anybody else have this same problem?
> 73, Chris K4osk
>
>
>
>
> [Non-text portions of this message have been removed]

>

7627. Re: [orion565] Re: 3.026 Firmware Bug

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 16:33:09 UTC
From: k3xr@comcast.net
Topic: 7619 Message: 7627

John:

on O II, go to menus, pick ssb go down to h/w mic gain, mine will go from 0 to 18.0 db, however, no change is apparent in the audio level I work a good deal of AM and recall it did change the level, at least in that mode and rather sure in ssb. Thanks for all your hard work. DAN, K3XR

----- Original Message -----

From: "John" <jhenry@...m>
To: orion565@yahoogroups.com
Sent: Thursday, February 2, 2012 4:25:58 PM
Subject: [orion565] Re: 3.026 Firmware Bug

ok, I need some help on this one.

The Orion II 566's I have at TenTec only have one pot on the logic board, and that is for the s-meter.
As far as I know, there is no hardware mic gain adjustment in the 566.
I don't think it ever shipped with a hw mic gain adjustment. I could be wrong since I was not part of the early Orion 2 development or shipments.

With that being said, I did re-test the software MIC gain adjustment from the front panel. I used a 566 with the 366 and a 566 with the stock rx, using a 708 and a Regal mic. I found that I can adjust power output by using the MIC gain on the front panel.

The 565 on the other hand has three pots on the logic board, one for contrast, one for smeter, and one for hw mic gain. I've verified that the 565 is also working properly when one adjusts hw mic gain and the software mic gain.

So I need a bit more info on this one to help out.

Thanks,
John Henry
TenTec Inc.

--- In orion565@yahoogroups.com , k3xr@... wrote:
>
> Same result here Chris,Â DAN, K3XR
>
> ----- Original Message -----
> From: "chinson0" <chinson1@...>
> To: orion565@yahoogroups.com
> Sent: Thursday, February 2, 2012 4:48:52 AM
> Subject: [orion565] 3.026 Firmware Bug
>
> Â

>
>
>
>
> After installing the new firmware on my Orion 2 I noticed the H/W mic gain does not change the audio output. I did both resets and reloaded the firmware.
> Does anybody else have this same problem?
> 73, Chris K4osk
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

7628. Re: 3.026 Firmware Bug

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 16:36:32 UTC
From: John
Topic: 7619 Message: 7628

Got it, now I understand.

Thanks,

John

--- In orion565@yahoogroups.com, k3xr@... wrote:
>
>
>
> John:
>
>
>
> on O II, go to menus, pick ssb go down to h/w mic gain, mine will go from 0 to 18.0 db, however, no change is apparent in the audio level I work a good deal of AM and recall it did change the level, at least in that mode and rather sure in ssb.Â Thanks for all your hard work.Â DAN, K3XR
>
>
>
> ----- Original Message -----
>
>
> From: "John" <jhenry@...>
> To: orion565@yahoogroups.com
> Sent: Thursday, February 2, 2012 4:25:58 PM
> Subject: [orion565] Re: 3.026 Firmware Bug
>
> Â
>
>
>
>
> ok, I need some help on this one.
>
> The Orion II 566's I have at TenTec only have one pot on the logic board, and that is for the s-meter.
> As far as I know, there is no hardware mic gain adjustment in the 566.
> I don't think it ever shipped with a hw mic gain adjustment. I could be wrong since I was not part of the early Orion 2 development or shipments.
>
> With that being said, I did re-test the software MIC gain adjustment from the front panel. I used a 566 with the 366 and a 566 with the stock rx, using a 708 and a Regal mic. I found that I can adjust power output by using the MIC gain on the front panel.
>
> The 565 on the other hand has three pots on the logic board, one for contrast, one for smeter, and one for hw mic

gain. I've verified that the 565 is also working properly when one adjusts hw mic gain and the software mic gain.
>
> So I need a bit more info on this one to help out.
>
> Thanks,
> John Henry
> TenTec Inc.
>
> --- In orion565@yahoogroups.com , k3xr@ wrote:
> >
> > Same result here Chris,Ã□Â DAN, K3XR
> >
> > ----- Original Message -----
> > From: "chinson0" <chinson1@>
> > To: orion565@yahoogroups.com
> > Sent: Thursday, February 2, 2012 4:48:52 AM
> > Subject: [orion565] 3.026 Firmware Bug
> >
> > Ã□Â
> >
> >
> >
> >
> > After installing the new firmware on my Orion 2 I noticed the H/W mic gain does not change the audio output. I did both resets and reloaded the firmware.
> > Does anybody else have this same problem?
> > 73, Chris K4osk
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
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>
>
> [Non-text portions of this message have been removed]
>

7629. v3.026

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 17:15:46 UTC
From: billw5ao
Topic: 7629 Message: 7629

I pressed/held user I after inputting my band frequencies and instead of saving it did "recall" and recalled all the default frequencies.

After re-inputting all 4 band/VFO frequencies I hit user 2 and same result; wiped out all frequencies and returned defaults.

Bill W5AO

7630. Re: v3.026

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 17:46:12 UTC
From: John
Topic: 7629 Message: 7630

Hi Bill,
Did you press/hold User 1 until you saw the message pop up that says:
"Storing Parameter Set #1"
This should take about a second of hold time before the message comes up.

I just ran a test where I had
14.2501 in A
14.0002 in B
14.0003 in C
14.0004 in D
Pressed and held USER1 until I saw the message, released it.
I then manually changed all VFO frequencies in the bands to
13.990 for A
13.991 for B
13.992 for C
13.993 for D
Then I pressed USER1 to recall, and the frequencies came back correctly as:
14.2501 in A
14.0002 in B
14.0003 in C
14.0004 in D

I tested this in both a 566 with 3.026 and in a 565 with 3.025.

Anyone else finding similar results to Bill or are you getting the same result that I am in the rigs at TenTec.

Ensure that you hold the button down until you see the message stating that it is storing. Otherwise it will definitely do a recall.

John

--- In orion565@yahoogroups.com, "billw5ao" <w5ao@...> wrote:
>
>
> I pressed/held user I after inputting my band frequencies and instead of saving it did "recall" and recalled all the default frequencies.
>
> After re-inputting all 4 band/VFO frequencies I hit user 2 and same result; wiped out all frequencies and returned defaults.
>
> Bill W5AO
>

7631. RE: [orion565] V. 3.026

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 17:55:51 UTC
From: Andrew B. Steen
Topic: 7618 Message: 7631

Hi Bill.

I too, noticed the power drop also measured with an LP-100A.

I think the SAF works as a tone control, as it seems to flatten out the audio.

Unlike some of the others, My noise floor seems to have risen73,

Andrew

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of billw5ao
Sent: Thursday, February 02, 2012 12:35 AM
To: orion565@yahoogroups.com
Subject: [orion565] V. 3.026

John Henry for President!

Love the SAF on cw and never expected it would be useful on SSB but it gives essentially a tone control boost and makes receive sound wonderful.

1. I think my POD Enc Rate follows VFO-A Enc Rate instead of menu setting for POD Enc Rate.

2. Didn't we used to have fast and slow encode rate for fast SSB and slow for CW? If so, that is missed. Fast is good for SSB but too fast for CW at 10hz, maybe I will try 1 hz on cw.

3. I think my max power output is down now with v3.026, now getting 76 watts with PWR at 100 (LP-100A). Amp puts out 1500 with 35 so not really a problem but I remember getting 100 out with a previous version. I have never set the output pot.

Installed easily on a mac using windows 7 through vmware fusion emulator and through a USB/Serial converter, although the update took a long time.

Overall excellent upgrade, thanks.

Bill W5AO

[Non-text portions of this message have been removed]

7632. Re: [orion565] V. 3.026

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 18:10:14 UTC
From: Barry N1EU
Topic: 7618 Message: 7632

On Thu, Feb 2, 2012 at 5:55 PM, Andrew B. Steen <n2gff@...> wrote:

> **
>
> Unlike some of the others, My noise floor seems to have risen73,
>
> Try turning down your RF Gain. Generally speaking, v3 requires lower values of RF Gain than you previously used.

Barry N1EU

[Non-text portions of this message have been removed]

7633. Re: V. 3.026

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 18:16:48 UTC
From: floydsense
Topic: 7618 Message: 7633

I see no change at all in power levels measured here with LP-100.

K8AC

--- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@...> wrote:
>
> Hi Bill.
>
> I too, noticed the power drop also measured with an LP-100A.
>
> I think the SAF works as a tone control, as it seems to flatten out the
> audio.
>
> Unlike some of the others, My noise floor seems to have risen73,
>
> Andrew
>
>
>

7634. 566 Intermittent noise on start-up

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 18:51:53 UTC
From: w2msj
Topic: 7634 Message: 7634

When I first turn on my ORION II I frequently get popping noise in the speaker, the screen flickers and the S meter jumps around. This morning it lasted about 15 seconds. Sometimes only does it a time or two or is non-existent. Is this likely the capacitor problem on the A9 power board? I note that Mouser no longer stocks the Xicon 140-ESRL 50V100RC electrolytic s recommended by N6IE. They list Lelon 140-RXJ471M1HBK132P as a substitute. The Lelon caps are also listed as Low ESR and "good ripple" specs. Am I on the right track and what Caps are now recommended? Lynn Finch, W2MSJ

7635. Re: [orion565] 566 Intermittent noise on start-up

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 19:57:54 UTC
From: Fernando
Topic: 7634 Message: 7635

Hello

140-RXJ471M1HBK1325P
50V 470uF 105C

Those are the ones I installed in 2010 and no problems.

While I had the covers off, I change the molex connector to Power Poles.

No problems there either.

http://www.tentecwiki.org/doku.php?id=orion_molex_to_power_pole_mod

Fernando N2FQ/6
n2fq@...

On Feb 2, 2012, at 10:51 AM, w2msj wrote:

> When I first turn on my ORION II I frequently get popping noise in the speaker, the screen flickers and the S meter jumps around. This morning it lasted about 15 seconds. Sometimes only does it a time or two or is non-existent. Is this likely the capacitor problem on the A9 power board? I note that Mouser no longer stocks the Xicon 140-ESRL 50V100RC electrolytic s recommended by N6IE. They list Lelon 140-RXJ471M1HBK132P as a substitute. The Lelon caps are also listed as Low ESR and "good ripple" specs. Am I on the right track and what Caps are now recommended? Lynn Finch, W2MSJ
>
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> ------------------------------------
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>
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

7636. Re: 3.026 Firmware Bug

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 20:02:25 UTC
From: John
Topic: 7619 Message: 7636

We found the problem, and have it resolved.
I would like to wait for about a week, collect inputs on any other issues found during that time, and make a public release then.

Thanks for bringing this to our attention, we'll resolve 'em if we can reproduce 'em.

Thanks,
John Henry

--- In orion565@yahoogroups.com, k3xr@... wrote:
>
> Same result here Chris,Â DAN, K3XR
>
> ----- Original Message -----
> From: "chinson0" <chinson1@...>
> To: orion565@yahoogroups.com
> Sent: Thursday, February 2, 2012 4:48:52 AM
> Subject: [orion565] 3.026 Firmware Bug
>
> Â
>
>
>
>
> After installing the new firmware on my Orion 2 I noticed the H/W mic gain does not change the audio output. I did both resets and reloaded the firmware.
> Does anybody else have this same problem?
> 73, Chris K4osk
>
>
>
>
> [Non-text portions of this message have been removed]
>

7637. Re: [orion565] 566 Intermittent noise on start-up

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 20:27:02 UTC
From: Sam W Jacobs CET
Topic: 7634 Message: 7637

I hate to bring up the old "Radio Shack" name, but as of late they have been stocking a nice selection of good parts. I know they stock that cap, so if you're in a pinch, they have it.

73,
Sam
K3SAM

From: w2msj <w2msj@...>
To: orion565@yahoogroups.com
Sent: Thursday, February 2, 2012 1:51 PM
Subject: [orion565] 566 Intermittent noise on start-up

When I first turn on my ORION II I frequently get popping noise in the speaker, the screen flickers and the S meter jumps around. This morning it lasted about 15 seconds. Sometimes only does it a time or two or is non-existent. Is this likely the capacitor problem on the A9 power board? I note that Mouser no longer stocks the Xicon 140-ESRL 50V100RC electrolytic s recommended by N6IE. They list Lelon 140-RXJ471M1HBK132P as a substitute. The Lelon caps are also listed as Low ESR and "good ripple" specs. Am I on the right track and what Caps are now recommended? Lynn Finch, W2MSJ

[Non-text portions of this message have been removed]

7638. Re: 566 Intermittent noise on start-up

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 21:04:24 UTC
From: ve7tk
Topic: 7634 Message: 7638

If the capacitors at Radio Shack are low ESR perhaps but if, as I suspect, they are not then I'd wait for the Mouser (or Newark or similar) version.

73, Rick
VE7TK

--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> I hate to bring up the old "Radio Shack" name, but as of late they have been stocking a nice selection of good parts.Â I know they stock that cap, so if you're in a pinch, they have it.
>
> 73,
> Sam
> K3SAM
>
>
>
> _____
> From: w2msj <w2msj@...>
> To: orion565@yahoogroups.com
> Sent: Thursday, February 2, 2012 1:51 PM
> Subject: [orion565] 566 Intermittent noise on start-up
>
>
> Â
> When I first turn on my ORION II I frequently get popping noise in the speaker, the screen flickers and the S meter jumps around. This morning it lasted about 15 seconds. Sometimes only does it a time or two or is non-existent. Is this likely the capacitor problem on the A9 power board? I note that Mouser no longer stocks the Xicon 140-ESRL 50V100RC electrolytic s recommended by N6IE. They list Lelon 140-RXJ471M1HBK132P as a substitute. The Lelon caps are also listed as Low ESR and "good ripple" specs. Am I on the right track and what Caps are now recommended? Lynn Finch, W2MSJ
>
>
>
>
> [Non-text portions of this message have been removed]
>

7639. Re: [orion565] Re: 3.026 Firmware Bug

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 21:29:13 UTC
From: k3xr@comcast.net
Topic: 7619 Message: 7639

Sounds good John, left the rig hooked up to the computer and ready to go. DAN, K3XR

----- Original Message -----
From: "John" <jhenry@tentec.com>
To: orion565@yahoogroups.com
Sent: Thursday, February 2, 2012 8:02:25 PM
Subject: [orion565] Re: 3.026 Firmware Bug

We found the problem, and have it resolved.
I would like to wait for about a week, collect inputs on any other issues found during that time, and make a public release then.

Thanks for bringing this to our attention, we'll resolve 'em if we can reproduce 'em.

Thanks,
John Henry

--- In orion565@yahoogroups.com , k3xr@... wrote:
>
> Same result here Chris,Â DAN, K3XR
>
> ----- Original Message -----
> From: "chinson0" <chinson1@...>
> To: orion565@yahoogroups.com
> Sent: Thursday, February 2, 2012 4:48:52 AM
> Subject: [orion565] 3.026 Firmware Bug
>
> Â
>
>
>
>
> After installing the new firmware on my Orion 2 I noticed the H/W mic gain does not change the audio output. I did both resets and reloaded the firmware.
> Does anybody else have this same problem?
> 73, Chris K4osk
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

7640. RE: [orion565] Re: Orion 565 supply glitches

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 21:32:14 UTC
From: John Hudson
Topic: 7595 Message: 7640

I had to replace the caps and the power connector molex over the last 3 years on my 01. replacing the caps is not hard, and I best I remember, fairly easy to get to. The power connector.. it's a different story but do-able

GL
John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of ve7tk
Sent: Thursday, February 02, 2012 12:17 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion 565 supply glitches

Martin I 2nd Kirby's suggestion. It may well be the electrolytics on the Power Distribution board. When they go all kinds of weird things begin to happen.

73, Rick
VE7TK

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "Martin Sole" <hs0zed@...> wrote:
>
> Thanks for the replies, a couple of points.
>
> The battery in my 565 died about a year ago. I replaced it with a coin
> holder and a CR2032 calculator battery. It may well be that this is too
> small for the job and that it is failing. Need to investigate that.
>
> As to the power connector, I agree, It really would seem to need something
> more robust both electrically and mechanically. Mine overheated and melted
> the connector on the board. I removed it and wired a pigtail of sufficiently
> large wire through the hole and about 8 inches long to a pair of 30A
> powerpole connectors. These go to my 40A continuous super smooth and
> apparently glitch free ex commercial radio base station power supply,
> something from a Motorola VHF repeater I think.
>
> Regards
> Martin
>
>
> -----Original Message-----

> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
Behalf
> Of Larry Menzel
> Sent: 02 February 2012 12:41
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] Orion 565 supply glitches
>
> If I have any bitch about TT, it's that damn cheap Molex power connector
> they use. I was having the same thing happen, especially if I
inadvertently
> bumped the power cable when working around the back of the rig.
>
> I'm seriously thinking about replacing that thing with an Anderson
PowerPole
> connector, one that is tight and positive. I know a buddy of mine did
> exactly that. I upgraded my Orion II to the new firmware today, and bumped
> that plug...bang...radio blinked as you describe. I noticed that the
female
> connector on the cable is actually burned and discolored from arcing!
> Powerpole connector for sure. I'll probably do that when I install the new
> second receiver board this weekend.
>
> In the meantime, make sure the radio is off, pull out that plug, and with
a
> small, thin flat blade screwdriver, gently slip in in the slit on that
male
> pin on the connector on the radio. That will make for a more positive
> connection. Secondly, secure that cable with a tie wrap or something to
> keep it from moving around at all. Should help.
>
> NOTE TO TT: How 'bout a better connector? Hmmmm
>
> Larry, W0PR
>
> On Wed, Feb 1, 2012 at 7:55 PM, Martin Sole <hs0zed@...> wrote:
>
> > **
> >
> >
> > This started happening a week or so ago, it's not firmware dependent.
> >
> > At power on the radio works normally but after a few minutes there
> > will be a pop. The screen, meter and leds flash and the radio
> > restarts. This typically happens several times spaced at several
> > minutes. Then it seems to settle down and will run all day.
> >
> > It may well be my power supply. I haven't yet tried leaving it on 24
> > hours to see if it happens then or not. Just wonder if this might be a
> > known problem, or rather a problem with a known fix!

> >
> > Thanks
> >
> > Martin, HS0ZED
> >
> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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>
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>
> Yahoo! Groups Links
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> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.1913 / Virus Database: 2112/4780 - Release Date: 02/01/12
>

[Non-text portions of this message have been removed]

7641. Re: V3.025 Not really a snag but...

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-02 23:34:21 UTC
From: saukp
Topic: 7612 Message: 7641

start_update

i did a reload of V3.025 on my 565
and
followed the procedure one more time

things are back to normal

power output setting of 100 give me 100 watts

control responses seem to be back to almost the same as before
the control action take place but some times the display just lags a tad bit behind... i think i am being a bit critical on this one because i dont normally look at the display...base it more on what my ears hear...so this display response lag may have existed for me before and i learned to ignore it because of the way i operate

i only notice the display lag for
1. BW
2. PBT

the display mic gain control work as well as the menu driven h/w mic gain

right now for me everything is looking fine

end_update

JH and gang...thank you for your effort to get to us TT user some really f/w and keeping our Orion at the top of the heap

Paul K3SF

--- In orion565@yahoogroups.com, "saukp" <saukp@...> wrote:
>
>
>
> i have also updated my 565 to V3
> which went smoothly using the procedure describe in the addendum
>
> my setup is iMac running osx 10.6.8 with VMware running Xp and usb/serial adapter
>
>
> i only spent about 1/2 hours playing with the radio after the update
>
> BUT
>
> i have also noticed the same sluggish response of the controls
>
> i also noticed my power output is now 120 watts when power set to 100 and the meter does

full beg to the right ;-(
>
> had to turn power to 88 to get 100 watts and normal fullscale meter reading
>
> like the SAF, receiver seems hotter
>
> hope to get more time later today to run some more thorough testing
>
> Paul K3SF
>
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>
>
>
> --- In orion565@yahoogroups.com, "Martin Sole" <hs0zed@> wrote:
> >
> >
> >
> > I really like it. As most have said the SAF works great and well worth the
> > upgrade alone. Other changes seem to have made the receiver sound a bit
> > better and now with the ability to set which items get tracked across the 2
> > receivers it's even more flexible.
> >
> >
> >
> > One little gripe as I put it to the test, been chasing VP6T, 18m CW before
> > they closed last night, FW, FO and TO4M plus some others I'm noticing that
> > the key presses seem a lot less responsive. It seems I need to deliberately
> > press and hold the keys for them to be actioned, as if they are not being
> > scanned fast enough. I see this with the push action on the rotary controls
> > not just the keys. Definitely seems slower than it was. I hate to say it's
> > feeling sluggish, though to me it is. Anyone else notice this?
> >
> >
> >
> > Regards
> >
> > Martin, HS0ZED
> >
> >
> >
> >

> >
> > [Non-text portions of this message have been removed]
> >
>

7642. Re: [orion565] 566 Intermittent noise on start-up

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 02:40:25 UTC
From: K Van Horn
Topic: 7634 Message: 7642

Hi Lynn,
The new caps should work if they are Low ESR.
I have extras of the mouser caps if you need them. Because I have 2 566s, I have replaced those caps in both radios, and I also keep a spare modded A9 board..just in case. I must admit that I have never had one of the caps fail. When TT found they had a problem, they IMMEDIATELY made a change at the factory that fixed the problem.
73 ES GL,
Kirby, K7EC

From: w2msj
Sent: 02 February, 2012 11:51
To: orion565@yahoogroups.com
Subject: [orion565] 566 Intermittent noise on start-up

When I first turn on my ORION II I frequently get popping noise in the speaker, the screen flickers and the S meter jumps around. This morning it lasted about 15 seconds. Sometimes only does it a time or two or is non-existent. Is this likely the capacitor problem on the A9 power board? I note that Mouser no longer stocks the Xicon 140-ESRL 50V100RC electrolytic s recommended by N6IE. They list Lelon 140-RXJ471M1HBK132P as a substitute. The Lelon caps are also listed as Low ESR and "good ripple" specs. Am I on the right track and what Caps are now recommended? Lynn Finch, W2MSJ

[Non-text portions of this message have been removed]

7643. RE: [orion565] Re: V3 update not successful yet

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 05:04:47 UTC
From: art davis
Topic: 7555 Message: 7643

Thanks Onno. Your point is well taken, because I have always had a problem with the radio starting up with a new firmware install (I bought the radio used in 2009). I probably should replace it just on general principle if nothing else. Unless it was replaced when the factory performed the V2 upgrade 5 years ago, then it is the original battery.

73, Art

To: orion565@yahoogroups.com
From: pa1ap@...
Date: Thu, 2 Feb 2012 07:00:17 +0000
Subject: [orion565] Re: V3 update not successful yet

Not a battery expert at all but measuring the voltage over the battery on my end did show the voltage to be below spec. Will need to look up what value I wrote down. But I still had the issue... Ordered battery at TT and week later replaced the battery and problem gone... I also noticed the voltage was higher than the specs... this measured with battery outside the TT..

If you can upgrade and after a night of sleep the unit starts again it seems to me the battery has recovered during the night but will discharge a little more soon... How cold is the shack? Just like car batteries I see most people struggle during the winter period trying to start their engine...

Regards, Onno

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:

>

>

> Thank you Onno. As a matter of fact I had the hood off a couple of months ago and thought I would check the battery voltage while I was there. It measured about 0.1 V above manufacturer specs so I'm assuming that it is good. And you make a good point , because I did go back and try to reload 2.064x11 last night after having no success with V3 and I couldn't get IT to start up either. so I reloaded V3 and just turned the power off and went to bed. This morning I turned the power on and it came right up in the new version and has been running all day with no issues. Now I'm afraid to turn it off again!

>

> To: orion565@yahoogroups.com

> From: pa1ap@...

> Date: Wed, 1 Feb 2012 13:01:35 +0000

> Subject: [orion565] Re: V3 update not successful yet

>

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> Recently I had simillar experience and in my case the cpu battery became bad. It kept on looping after power on, showed all the boot messages and even allowed me to answer yes to

the questions raised. But then it looped to the start again.

>

>

>

> Your case might be different but that was my experience. replacing the battery fixed it for me and it seems there lifetime is about 6 years.

>

>

>

> Can you confirm if you can load a different firmware version which will make the orion operational? If none of the firmware versions will make orion operational it sound logical the battery is flat...

>

>

>

> Best regards, onno

>

>

>

> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:

>

> >

>

> > Are you using a USB serial port adapter? I've heard that some of them can

>

> > be problematic.

>

> >

>

> > Barry N1EU

>

> >

>

> > On Wed, Feb 1, 2012 at 5:02 AM, art davis <n4uc@> wrote:

>

> >

>

> > > **

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> > >

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> > > After loading the new version 3.025 firmware into my 565, doing a master

>

> > > reset and clearing the memories, the radio lights up as it should but stops

>

> > > one step short of going operational. The screen displays the normal TT

>

> > > logo, Version number, date, time, DSP version and goes no further. I have

>

> > > repeated the process with same results. I am upgrading from 2.064x11.

>

> > >

>

> > > I do not have the RX=366 installed and therefore I select "NO" when asked.

>

> > >

>

> > > I am going to start all over and download the file again and try again.

>

> > > Any other suggestions?

>

> > >

>

> > > Tnx, Art N4UC

>

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> > > [Non-text portions of this message have been removed]

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> > [Non-text portions of this message have been removed]

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> [Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

7644. Re: [orion565] 566 Intermittent noise on start-up

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 05:09:12 UTC
From: K Van Horn
Topic: 7634 Message: 7644

Lynn,can you send your phone number? Kirby

From: w2msj
Sent: Thursday, February 02, 2012 11:51
To: orion565@yahoogroups.com
Subject: [orion565] 566 Intermittent noise on start-up

When I first turn on my ORION II I frequently get popping noise in the speaker, the screen flickers and the S meter jumps around. This morning it lasted about 15 seconds. Sometimes only does it a time or two or is non-existent. Is this likely the capacitor problem on the A9 power board? I note that Mouser no longer stocks the Xicon 140-ESRL 50V100RC electrolytic s recommended by N6IE. They list Lelon 140-RXJ471M1HBK132P as a substitute. The Lelon caps are also listed as Low ESR and "good ripple" specs. Am I on the right track and what Caps are now recommended? Lynn Finch, W2MSJ

[Non-text portions of this message have been removed]

7645. ORION 565 v3.025 Sweep Range

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 07:51:53 UTC
From: Barrett Thompson
Topic: 7645 Message: 7645

The photo on page 3 of the V3 Firmware Addendum (74474) shows the ORION II RX menu with a 'Sweep Range' option at the top of the list. On my ORION 565 running v3.025, my RX menu shows a 'Sweep Display' option in this menu position, with values of 'On' and 'Off'. Is there a way to adjust the sweep range on the 565/v3.025?

73,
Barrett / KE4R

[Non-text portions of this message have been removed]

7646. Re: 3.026 Firmware Bug

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 10:20:21 UTC
From: k.denief
Topic: 7619 Message: 7646

--- In orion565@yahoogroups.com, k3xr@... wrote:
>
> Sounds good John, left the rig hooked up to the computer and ready to go.Â DAN, K3XR
>
> ----- Original Message -----
> From: "John" <jhenry@...>
> To: orion565@yahoogroups.com
> Sent: Thursday, February 2, 2012 8:02:25 PM
> Subject: [orion565] Re: 3.026 Firmware Bug
>
> Â
>
>
>
>
> We found the problem, and have it resolved.
> I would like to wait for about a week, collect inputs on any other issues found during that time, and make a public release then.
>
> Thanks for bringing this to our attention, we'll resolve 'em if we can reproduce 'em.
>
> Thanks,
> John Henry
>
> --- In orion565@yahoogroups.com , k3xr@ wrote:
> >
> > Same result here Chris,Ã□Â DAN, K3XR
> >
> > ----- Original Message -----
> > From: "chinson0" <chinson1@>
> > To: orion565@yahoogroups.com
> > Sent: Thursday, February 2, 2012 4:48:52 AM
> > Subject: [orion565] 3.026 Firmware Bug
> >
> > Ã□Â
> >
> >
> >
> >
> > After installing the new firmware on my Orion 2 I noticed the H/W mic gain does not change the audio output. I did both resets and reloaded the firmware.
> > Does anybody else have this same problem?
> > 73, Chris K4osk
> >

> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
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>
>
> [Non-text portions of this message have been removed]
>yes first thing i noticed HW mic gain is not working .When you have a signal tuned in the band scope signal looks further away from the zero marking

7647. New 3.026 firmware bug (minor)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 13:13:42 UTC
From: floydsense
Topic: 7647 Message: 7647

On my Orion II, if the notch button is set up for SAF (either or both Rcvrs), when you hit the RIT button the left half of the S in SAF is blanked out. This happens to both the Ss whether SAF/NOTCH Track is set on or off.

73, Floyd - K8AC

7648. Question on VOX button effect on V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 13:33:36 UTC
From: floydsense
Topic: 7648 Message: 7648

With V3 on my Orion II, turning on the VOX in CW mode mutes both the main and subreceivers (VOX setting have no effect on this). The Orion is still in receive mode with S meter working. Never noticed this on 2.044 - does it work that way there?

73, Floyd - K8AC

7649. Possible 3.025 Model 565 Firmware Bug

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 15:11:58 UTC
From: Russ
Topic: 7649 Message: 7649

PBT values in the band stacking registers do not display correctly when the PBT/BW control is in the BW position. To reproduce bug set a PBT of +100 in register A, leave B at 0, enter +700 in C, and leave D at zero. With the PBT/BW control in PBT setting cycle thru the registers and all the PBT values will be OK. Change the PBT/BW control to BW and cycle through the registers and see the wrong PBT values, probably zero. The important thing is that the actual effective PBT value as set in each register is active, not the incorrect value. This is evident when the PBT/BW control is set to BW and the control moved a slight amount which returns the display to the actual value. In effect the registers will always operate with the desired PBT setting, it's just that the setting as shown on the display can be wrong. Minor bug, a similar bug was seen in v2 firmware.

7650. Re: [orion565] New 3.026 firmware bug (minor)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 15:43:38 UTC
From: Larry Menzel
Topic: 7647 Message: 7650

Yeah, pixel glitch of some kind. You have to cycle SAF off and then back on to get the other half of the S back.

Don't use RIT very much here, so not a problem for me. I'm sure John will fix all this little sh*t as time goes on.

Larry, W0PR

On Fri, Feb 3, 2012 at 7:13 AM, floydsense <floyd@k8ac.net> wrote:

> **
>
>
> On my Orion II, if the notch button is set up for SAF (either or both
> Rcvrs), when you hit the RIT button the left half of the S in SAF is
> blanked out. This happens to both the Ss whether SAF/NOTCH Track is set on
> or off.
>
> 73, Floyd - K8AC
>
>
>

[Non-text portions of this message have been removed]

7651. Re: [orion565] Question on VOX button effect on V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 15:45:55 UTC
From: Larry Menzel
Topic: 7648 Message: 7651

On mine, it's not only muting the receivers but keying the rig, as well.
Hmmm

OTOH, why would you turn on VOX in CW mode anyway?

Larry, W0PR

On Fri, Feb 3, 2012 at 7:33 AM, floydsense <floyd@...> wrote:

> **
>
>
> With V3 on my Orion II, turning on the VOX in CW mode mutes both the main
> and subreceivers (VOX setting have no effect on this). The Orion is still
> in receive mode with S meter working. Never noticed this on 2.044 - does it
> work that way there?
>
> 73, Floyd - K8AC
>
>
>

[Non-text portions of this message have been removed]

7652. RE: [orion565] Re: V3.025 Not really a snag but...

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 16:08:41 UTC
From: Martin Sole
Topic: 7612 Message: 7652

I did that too and I think you might be right. Seems a bit snappier now.

Okay here's another. Try this, again not really a snag but...

Select SAF or Notch make sure they are highlighted so the multi knob adjusts the displayed Fc or width. Now power cycle the radio. When it comes back on the multi knob has no effect even though the notch or SAF are still highlighted. You need to press the notch key to get the focus back. This only seems to apply to the notch and SAF, any other function when selected and the radio is power cycled comes back with the correct focus already set.

Anyone else?

Cheers,
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of saukp
Sent: 03 February 2012 06:34
To: orion565@yahoogroups.com
Subject: [orion565] Re: V3.025 Not really a snag but...

start_update

i did a reload of V3.025 on my 565
and
followed the procedure one more time

things are back to normal

power output setting of 100 give me 100 watts

control responses seem to be back to almost the same as before the control action take place but some times the display just lags a tad bit behind... i think i am being a bit critical on this one because i dont normally look at the display...base it more on what my ears hear...so this display response lag may have existed for me before and i learned to ignore it because of the way i operate

i only notice the display lag for
1. BW
2. PBT

the display mic gain control work as well as the menu driven h/w mic gain

right now for me everything is looking fine

end_update

JH and gang...thank you for your effort to get to us TT user some really f/w
and keeping our Orion at the top of the heap

Paul K3SF

--- In orion565@yahoogroups.com, "saukp" <saukp@...> wrote:
>
>
>
> i have also updated my 565 to V3
> which went smoothly using the procedure describe in the addendum
>
> my setup is iMac running osx 10.6.8 with VMware running Xp and
> usb/serial adapter
>
>
> i only spent about 1/2 hours playing with the radio after the update
>
> BUT
>
> i have also noticed the same sluggish response of the controls
>
> i also noticed my power output is now 120 watts when power set to 100
> and the meter does full beg to the right ;-(
>
> had to turn power to 88 to get 100 watts and normal fullscale meter
> reading
>
> like the SAF, receiver seems hotter
>
> hope to get more time later today to run some more thorough testing
>
> Paul K3SF
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> --- In orion565@yahoogroups.com, "Martin Sole" <hs0zed@> wrote:
> >
> >

> >
> > I really like it. As most have said the SAF works great and well
> > worth the upgrade alone. Other changes seem to have made the
> > receiver sound a bit better and now with the ability to set which
> > items get tracked across the 2 receivers it's even more flexible.
> >
> >
> >
> > One little gripe as I put it to the test, been chasing VP6T, 18m CW
> > before they closed last night, FW, FO and TO4M plus some others I'm
> > noticing that the key presses seem a lot less responsive. It seems I
> > need to deliberately press and hold the keys for them to be
> > actioned, as if they are not being scanned fast enough. I see this
> > with the push action on the rotary controls not just the keys.
> > Definitely seems slower than it was. I hate to say it's feeling
sluggish, though to me it is. Anyone else notice this?
> >
> >
> >
> > Regards
> >
> > Martin, HS0ZED
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4780 - Release Date: 02/01/12

7653. Re: [orion565] Question on VOX button effect on V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 16:09:14 UTC
From: Tony Lelieveld
Topic: 7648 Message: 7653

I have not upgraded yet but my O-II in 2.044A does the same thing (muting the RX audio). Why would anyone select VOX in CW mode? If there is a reason for it, I'd like to hear about it. Just being curious.

73, Tony VE3DWI

----- Original Message -----
From: "Larry Menzel" <retire@...>
To: <orion565@yahoogroups.com>
Sent: Friday, February 03, 2012 10:45 AM
Subject: Re: [orion565] Question on VOX button effect on V3

> On mine, it's not only muting the receivers but keying the rig, as well.
> Hmmm
>
> OTOH, why would you turn on VOX in CW mode anyway?
>
> Larry, W0PR
>
>
> On Fri, Feb 3, 2012 at 7:33 AM, floydsense <floyd@...> wrote:
>
>> **
>>
>>
>> With V3 on my Orion II, turning on the VOX in CW mode mutes both the main
>> and subreceivers (VOX setting have no effect on this). The Orion is still
>> in receive mode with S meter working. Never noticed this on 2.044 - does
>> it
>> work that way there?
>>
>> 73, Floyd - K8AC

7654. Re: Question on VOX button effect on V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 16:38:03 UTC
From: floydsense
Topic: 7648 Message: 7654

Let me ask that another way - why should I have to turn off the VOX when I want to operate CW?

K8AC

--- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
>
> On mine, it's not only muting the receivers but keying the rig, as well.
> Hmmm
>
> OTOH, why would you turn on VOX in CW mode anyway?
>
> Larry, W0PR
>
>
> On Fri, Feb 3, 2012 at 7:33 AM, floydsense <floyd@...> wrote:
>
> > **
> > >
> > >
> > With V3 on my Orion II, turning on the VOX in CW mode mutes both the main
> > and subreceivers (VOX setting have no effect on this). The Orion is still
> > in receive mode with S meter working. Never noticed this on 2.044 - does it
> > work that way there?
> > >
> > 73, Floyd - K8AC
> > >
> > >
> > >
>
>
> [Non-text portions of this message have been removed]
>

7655. Re: Question on VOX button effect on V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 16:41:46 UTC
From: floydsense
Topic: 7648 Message: 7655

There is no reason for VOX on for CW on the Orion. But, why should I have to turn it off for CW if I was just operating SSB? None of the other dozens of transceivers I've owned have required that.

I operate very little SSB, so didn't know if it operated the same way on 2.044. Since you say it does, then I guess that's just the way it is and not related to V3. Thanks for the info.

73, Floyd

--- In orion565@yahoogroups.com, "Tony Lelieveld" <va3dwi@...> wrote:
>
> I have not upgraded yet but my O-II in 2.044A does the same thing (muting
> the RX audio). Why would anyone select VOX in CW mode? If there is a
> reason for it, I'd like to hear about it. Just being curious.
>
> 73, Tony VE3DWI
>

7656. Re: ORION 565 v3.025 Sweep Range

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 17:48:29 UTC
From: ve7tk
Topic: 7645 Message: 7656

I believe this is unchanged from Version 2.xxx firmware.

73, Rick
VE7TK

--- In orion565@yahoogroups.com, "Barrett Thompson" <BarrettThompson@...> wrote:
>
> The photo on page 3 of the V3 Firmware Addendum (74474) shows the ORION II
> RX menu with a 'Sweep Range' option at the top of the list. On my ORION 565
> running v3.025, my RX menu shows a 'Sweep Display' option in this menu
> position, with values of 'On' and 'Off'. Is there a way to adjust the sweep
> range on the 565/v3.025?
>
> 73,
> Barrett / KE4R
>
>
> [Non-text portions of this message have been removed]
>

7657. Re: [orion565] New 3.026 firmware bug (minor)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 17:49:25 UTC
From: Barry N1EU
Topic: 7647 Message: 7657

On Fri, Feb 3, 2012 at 3:43 PM, Larry Menzel <retire@...> wrote:
> I'm sure John will fix all this little sh*t as time goes on.
>

To ensure that a bug is going to get fixed, anybody reporting one
needs to take the time to describe in detail the circumstances that
led to the problem being observed and the provided info allows others
to similarly elicit the problem.

Barry N1EU

7658. ORION 565 v 3.025 Observation

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 18:39:40 UTC
From: nm7x
Topic: 7658 Message: 7658

I've noticed something unusual on version 3 with my Orion 565. When using the stock sub receiver, it's almost impossible to find "zero beat" when tuned to an AM station while in the SSB modes. When using previous versions of the firmware, it is easy to hear the "swishing" or "chuffing" sound when approaching zero beat while in either the USB or LSB modes. With version 3, that sound is simply not there. I've noticed this on WWV as well as with shortwave broadcast stations. I sometimes use the USB or LSB modes on AM signals to eliminate interfere. I also use WWV this way to check the receiver calibration.

Has anyone else noticed this?

Tnx es 73, Mike, NM7X

7659. Re: ORION 565 v 3.025 Observation

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 19:36:28 UTC
From: pa1ap
Topic: 7658 Message: 7659

can you share some more background on the observation? How do you listen to the station? Through speaker, headset or through audio output at the back? Second how is the Audio menu set? Spkr both?

Thanks and regards, Onno

--- In orion565@yahoogroups.com, "nm7x" <nm7x@...> wrote:
>
> I've noticed something unusual on version 3 with my Orion 565. When using the stock sub receiver, it's almost impossible to find "zero beat" when tuned to an AM station while in the SSB modes. When using previous versions of the firmware, it is easy to hear the "swishing" or "chuffing" sound when approaching zero beat while in either the USB or LSB modes. With version 3, that sound is simply not there. I've noticed this on WWV as well as with shortwave broadcast stations. I sometimes use the USB or LSB modes on AM signals to eliminate interfere. I also use WWV this way to check the receiver calibration.
>
> Has anyone else noticed this?
>
> Tnx es 73, Mike, NM7X
>

7660. Re: [orion565] ORION 565 v 3.025 Observation

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 19:42:55 UTC
From: Barry N1EU
Topic: 7658 Message: 7660

I've got the RX366 subrx and it's easy to zero beat in AM. In USB, I clearly hear the carrier decrease in tone to zero as I tune up approaching zero beat, and vice versa in LSB. Don't hear anything I would call swishing or chuffing, I just hear a pure carrier tone that is easy to tune to zero from one side.

Barry N1EU

On Fri, Feb 3, 2012 at 6:39 PM, nm7x <nm7x@...> wrote:

> **
>
>
> I've noticed something unusual on version 3 with my Orion 565. When using
> the stock sub receiver, it's almost impossible to find "zero beat" when
> tuned to an AM station while in the SSB modes. When using previous versions
> of the firmware, it is easy to hear the "swishing" or "chuffing" sound when
> approaching zero beat while in either the USB or LSB modes. With version 3,
> that sound is simply not there. I've noticed this on WWV as well as with
> shortwave broadcast stations. I sometimes use the USB or LSB modes on AM
> signals to eliminate interfere. I also use WWV this way to check the
> receiver calibration.
>
> Has anyone else noticed this?
>
> Tnx es 73, Mike, NM7X
>
>
>

[Non-text portions of this message have been removed]

7661. Re: [orion565] Re: A dilemma installing V3 on Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 20:10:55 UTC
From: Sam W Jacobs CET
Topic: 7588 Message: 7661

Thanks John.

By default, my baud rate was set at 9600. Changing it to 57,600 as I thought (and as both you and the manual state) cured the upload problem. BTW, Com5 was correct in my case.

73,
Sam
K3SAM

From: John K Gotwals <john@...>
To: orion565@yahoogroups.com
Sent: Thursday, February 2, 2012 8:56 AM
Subject: [orion565] Re: A dilemma installing V3 on Orion II

On my 565 update, I have to configured the serial port for 57,600 baud, no parity, 8 data bits and 1 stop bit. I am running 64-bit Windows 7, and the V3 upgrade was uneventful.

N9JG

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7662. Re: New 3.026 firmware bug (minor)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 20:25:16 UTC
From: chasnels@bellsouth.net
Topic: 7647 Message: 7662

I've noticed the same bug on my 565.

Chas, N4FW

--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
> On my Orion II, if the notch button is set up for SAF (either or both Rcvrs), when you hit the RIT button the left half of the S in SAF is blanked out. This happens to both the Ss whether SAF/NOTCH Track is set on or off.
>
> 73, Floyd - K8AC
>

7663. Re: ORION 565 v 3.025 Observation

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 20:55:33 UTC
From: nm7x
Topic: 7658 Message: 7663

Thanks Onno and Barry. I can't speak to how it works with the 566 receiver, as I am using the original. I suppose this is the sort of thing that would be hard to notice unless you are used to zero beating in this specific manner. It's hard to explain the "absence" of a sound.

For reference, I loaded the last official version 1 software, 1.372.
It doesn't matter if it's a speaker or a headphone in use, and I have the audio set to "Both" for "Left" "Right" and "Speaker". The audio gain on the main receiver is turned to zero for this exercise. Mode is LSB or USB, and AGC is set to "Off". Receive Bandwidth is 3 kHz, PBT is zero. Tuning step is 1 Hz.

Now when I tune to 15 mHz, I can clearly hear that I am not on zero beat. As I tune down, I can hear the beat note changing, When it gets within about 4 Hertz I can clearly hear a noise variation ("chuffing", "swishing"...choose your favorite word) at the 4 Hz rate. When I get to 1 or 2 Hz, this beat becomes very pronounced, but predictably slower. It sounds like an AM station rapidly fading in and out. Since the tuning step is one Hz, it's impossible to make it perfectly zero, but it's easy to determine how far the calibration is off within one half Hertz or so using this method.

If I go back to the new version 3 software, this method simply does not work. The only way I can zero beat is to listen to the artifacts on the actual audio. If it's a tone, it shows up as a frequency shift, but on voice you can get a better idea of what the correct tuning is.

Certainly, for normal ham radio operations, this is not a big deal in any way. I just find it to be unusual, and was wondering what causes it. Two things that come to mind are filter centering or perhaps the audio AGC loop is in play here.

In any event, thanks for your responses.

73, Mike, NM7X

7664. Re: ORION 565 v 3.025 Observation

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 21:30:18 UTC
From: pa1ap
Topic: 7658 Message: 7664

i will try to reproduce this weekend to see what the root cause could be. I don't have access right now to orion :-(Interested to see what we can find... Best regards, Onno

--- In orion565@yahoogroups.com, "nm7x" <nm7x@...> wrote:
>
> Thanks Onno and Barry. I can't speak to how it works with the 566 receiver, as I am using the original. I suppose this is the sort of thing that would be hard to notice unless you are used to zero beating in this specific manner. It's hard to explain the "absence" of a sound.
>
> For reference, I loaded the last official version 1 software, 1.372.
> It doesn't matter if it's a speaker or a headphone in use, and I have the audio set to "Both" for "Left" "Right" and "Speaker". The audio gain on the main receiver is turned to zero for this exercise. Mode is LSB or USB, and AGC is set to "Off". Receive Bandwidth is 3 kHz, PBT is zero. Tuning step is 1 Hz.
>
> Now when I tune to 15 mHz, I can clearly hear that I am not on zero beat. As I tune down, I can hear the beat note changing, When it gets within about 4 Hertz I can clearly hear a noise variation ("chuffing", "swishing"...choose your favorite word) at the 4 Hz rate. When I get to 1 or 2 Hz, this beat becomes very pronounced, but predictably slower. It sounds like an AM station rapidly fading in and out. Since the tuning step is one Hz, it's impossible to make it perfectly zero, but it's easy to determine how far the calibration is off within one half Hertz or so using this method.
>
> If I go back to the new version 3 software, this method simply does not work. The only way I can zero beat is to listen to the artifacts on the actual audio. If it's a tone, it shows up as a frequency shift, but on voice you can get a better idea of what the correct tuning is.
>
> Certainly, for normal ham radio operations, this is not a big deal in any way. I just find it to be unusual, and was wondering what causes it. Two things that come to mind are filter centering or perhaps the audio AGC loop is in play here.
>
> In any event, thanks for your responses.
>
> 73, Mike, NM7X
>

7665. Re: ORION 565 v 3.025 Observation

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 21:42:19 UTC
From: nm7x
Topic: 7658 Message: 7665

Thanks, Onno, and also a Big Thank You for the Backup and Restore program. It makes changing firmware versions a snap!

73, Mike, NM7X

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> i will try to reproduce this weekend to see what the root cause could be. I don't have access right now to orion :-(Interested to see what we can find... Best regards, Onno

7666. Re: Does updating to V3.026 do that much for an Orion II without the RX366?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 22:05:18 UTC
From: k1fpv
Topic: 7585 Message: 7666

Well, I have no immediate intention of purchasing the new RX366 yet, but I guess this weekend, I'll give it a try and change firmware to the new V3.026 and see how it goes.

Thanks for all the input guys!

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
>
> I echo Kirby's enthusiasm. I installed it on both my Orion and my Orion II
> today, and I must say, the radios are sounding absolutely great! The SAF
> function is marvelous. I was listening on 160 tonight and able to POP up
> weak signals as promised. I'm just learning how to use it, of course, and
> I'm really looking forward to getting my 366 installed this weekend.
>
> By all means, load it up. It is worth the effort. I used my old XP
> machine with a real hardware COM 1 connection and it loaded perfectly on
> both radios first time. This is not a difficult process. Follow the
> directions as presented in the download package and it's hard to go wrong.
>
> Good luck and go for it.
>
> Larry, W0PR
>
> On Wed, Feb 1, 2012 at 9:35 PM, K Van Horn <k7ec@...> wrote:
>
> > **
> > >
> > >
> > > Hi Bill,
> > > The V3 receiver is quieter....noticeably!!,the SAF function is
> > > amazing..makes it a new radio!!,cleans up the errors on the screen, radio
> > > is made into very high end excellent transceiver. a brand new better radio
> > > for $0. The quieter receiver and the SAF make it an absolute necessity to
> > > go to V3. A year of programming by 2 systems programmers went into V3 WITH
> > > ABOUT 25 beta testers making sure that things worked as we wanted them to
> > > be working.I have v3.026 loaded in both oh my 566 es. It just makes the
> > > radios work better!! They shipped my 2 new sub receivers today, so I am
> > > anxiously waiting for those to arrive.
> > > Enjoy your GREAT new Radio!!!!!!
> > > 73 es Gud DX,
> > > Kirby,K7EC
> > >

> > From: k1fpv
> > Sent: Wednesday, February 01, 2012 15:28
> > To: orion565@yahoogroups.com
> > Subject: [orion565] Does updating to V3.026 do that much for an Orion II
> > without the RX366?
> >
> > I don't have the RX366 in my Orion II and am wondering if I'll really gain
> > anything by updating the firmware. I'm happy with the Orion II right now
> > the way it is. Any suggestions or comments?
> >
> > Bill/K1FPV
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

7667. [orion565] Re: New 3.026 firmware bug (minor)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 22:12:57 UTC
From: Simone IZ5DKJ
Topic: 7647 Message: 7667

Hi,
i have now the new firmware on 566 but the initials
impression is a selectivity lost on 80mt cw.
Any other the same ?

73 Simone IZ5DKJ

http://www.qrz.com/db/IZ5DKJ

[Non-text portions of this message have been removed]

7668. Posting bug reports to the reflector

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 22:28:47 UTC
From: Barry N1EU
Topic: 7668 Message: 7668

It was expected that many reports of bugs would occur in the days following the "release" of the v3 firmware. We're all in this together, so please make your bug reports as helpful as possible, increasing the likelihood of a speedy fix. Please try to not just give a vague description and then voice frustration and throw up your hands. Consider your report the first step in an orderly troubleshooting process that leads to a fix. Try and be precise in describing exactly what elicited the bug and how the Orion was set up. Please try to replicate the bug, try power cycling, try a RAM CLEAR, try to elicit the bug again, etc etc and report on everything you did and observed.

A vague report is simply not very actionable - a little effort can really go a long way in helping improve things for everyone.

Thanks & 73,
Barry N1EU

7669. Re: [orion565] Re: New 3.026 firmware bug (minor)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 22:34:47 UTC
From: Barry N1EU
Topic: 7647 Message: 7669

Simone, the roofing filters didn't change and the dsp filtering didn't change (fairly certain) so I'm not sure how you're losing "selectivity".

On my 565, there's a menu setting under Filtr - DSP Filter Length. I'm not sure if the 566 has that setting but check it and make sure it is set for "199 Taps".

Also, it would be helpful if you gave a more specific description of what you're observing in terms of lost selectivity.

Barry N1EU

On Fri, Feb 3, 2012 at 10:12 PM, Simone IZ5DKJ <iz5dkj@...> wrote:

> **
>
>
> Hi,
> i have now the new firmware on 566 but the initials
> impression is a selectivity lost on 80mt cw.
> Any other the same ?
>
> 73 Simone IZ5DKJ
>
> http://www.qrz.com/db/IZ5DKJ
>
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

7670. Re: [orion565] Re: New 3.026 firmware bug (minor)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 23:01:39 UTC
From: Simone IZ5DKJ
Topic: 7647 Message: 7670

Ok Barry,
thanks so much.
I give you an axample, i'm listeninig the "cliking" from 1 khz up or down station with 200hz of bandwith and 250 hz roofing installed, 199 taps settings.
I'm talking about 566 with no rx366.

With the old firmware 2.044a i never have adiacent clicking.

73 Simone IZ5DKJ

http://www.qrz.com/db/iz5dkj

----- Original Message -----
From: Barry N1EU
To: orion565@yahoogroups.com
Sent: Friday, February 03, 2012 11:34 PM
Subject: Re: [orion565] Re: New 3.026 firmware bug (minor)

Simone, the roofing filters didn't change and the dsp filtering didn't change (fairly certain) so I'm not sure how you're losing "selectivity".

On my 565, there's a menu setting under Filtr - DSP Filter Length. I'm not sure if the 566 has that setting but check it and make sure it is set for "199 Taps".

Also, it would be helpful if you gave a more specific description of what you're observing in terms of lost selectivity.

Barry N1EU

On Fri, Feb 3, 2012 at 10:12 PM, Simone IZ5DKJ <iz5dkj@...> wrote:

> **
>
>
> Hi,
> i have now the new firmware on 566 but the initials
> impression is a selectivity lost on 80mt cw.
> Any other the same ?
>
> 73 Simone IZ5DKJ
>
> http://www.qrz.com/db/IZ5DKJ
>
>
> [Non-text portions of this message have been removed]
>

>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7671. Re: [orion565] Re: New 3.026 firmware bug (minor)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 23:35:29 UTC
From: Barry N1EU
Topic: 7647 Message: 7671

Unfortunately some transmitters have broad key clicks that can extend
1-2Khz above the fundamental. In those cases, you generally can't filter
them out from your passband.

Barry N1EU

On Fri, Feb 3, 2012 at 11:01 PM, Simone IZ5DKJ <iz5dkj@...> wrote:

> **
>
>
> Ok Barry,
> thanks so much.
> I give you an axample, i'm listeninig the "cliking" from 1 khz up or down
> station
> with 200hz of bandwith and 250 hz roofing installed, 199 taps settings.
> I'm talking about 566 with no rx366.
>
> With the old firmware 2.044a i never have adiacent clicking.
>
> 73 Simone IZ5DKJ
>
> http://www.qrz.com/db/iz5dkj
>
>
> ----- Original Message -----
> From: Barry N1EU
> To: orion565@yahoogroups.com
> Sent: Friday, February 03, 2012 11:34 PM
> Subject: Re: [orion565] Re: New 3.026 firmware bug (minor)
>
> Simone, the roofing filters didn't change and the dsp filtering didn't
> change (fairly certain) so I'm not sure how you're losing "selectivity".
>
> On my 565, there's a menu setting under Filtr - DSP Filter Length. I'm not
> sure if the 566 has that setting but check it and make sure it is set for
> "199 Taps".
>
> Also, it would be helpful if you gave a more specific description of what
> you're observing in terms of lost selectivity.
>
> Barry N1EU
>
> On Fri, Feb 3, 2012 at 10:12 PM, Simone IZ5DKJ <iz5dkj@...> wrote:
>
> > **

>
> >
> >
> > Hi,
> > i have now the new firmware on 566 but the initials
> > impression is a selectivity lost on 80mt cw.
> > Any other the same ?
> >
> > 73 Simone IZ5DKJ
> >
> > http://www.qrz.com/db/IZ5DKJ
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> >
> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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7672. Re: [orion565] Re: New 3.026 firmware bug (minor)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-03 23:35:47 UTC
From: James Skalski
Topic: 7647 Message: 7672

After the firmware upgrade, did you activate the roofing filters? When I installed firmware V3.026 I found that I had to go through the filter menu and activate the installed roofing filters. Maybe your solution will be something simple like that?
BTW John Henry and his team deserve a pay raise or at least a substantial bonus :)
Jim n2go

From: Simone IZ5DKJ <iz5dkj@...>
To: orion565@yahoogroups.com
Sent: Friday, February 3, 2012 6:01 PM
Subject: Re: [orion565] Re: New 3.026 firmware bug (minor)

Ok Barry,
thanks so much.
I give you an axample, i'm listeninig the "cliking" from 1 khz up or down station with 200hz of bandwith and 250 hz roofing installed, 199 taps settings.
I'm talking about 566 with no rx366.

With the old firmware 2.044a i never have adiacent clicking.

73 Simone IZ5DKJ

http://www.qrz.com/db/iz5dkj

----- Original Message -----
From: Barry N1EU
To: orion565@yahoogroups.com
Sent: Friday, February 03, 2012 11:34 PM
Subject: Re: [orion565] Re: New 3.026 firmware bug (minor)

Simone, the roofing filters didn't change and the dsp filtering didn't change (fairly certain) so I'm not sure how you're losing "selectivity".

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Also, it would be helpful if you gave a more specific description of what you're observing in terms of lost selectivity.

Barry N1EU

On Fri, Feb 3, 2012 at 10:12 PM, Simone IZ5DKJ <iz5dkj@...> wrote:

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7673. Re: [orion565] Re: New 3.026 firmware bug (minor)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-04 00:41:01 UTC
From: Mike, K9UW
Topic: 7647 Message: 7673

Does John Henry have a team, or is he writing code by himself?

73, de Mike, K9UW
Amherst, WI

On 2/3/2012 5:35 PM, James Skalski wrote:
>
> After the firmware upgrade, did you activate the roofing filters? When
> I installed firmware V3.026 I found that I had to go through the
> filter menu and activate the installed roofing filters. Maybe your
> solution will be something simple like that?
> BTW John Henry and his team deserve a pay raise or at least a
> substantial bonus :)
> Jim n2go
>
>

[Non-text portions of this message have been removed]

7674. Just a thought...

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-04 01:23:35 UTC
From: Sam
Topic: 7674 Message: 7674

While you are at it John (programming that is), you might want to consider the new changes with the 60 meter band as you have those pre-programmed as "channels". Damn, that reminds me of something else. Anyhow, you might want to put in the new 60 meter frequency and take out the old, or just add then new one... or we can do this ourselves.

Just a thought.

Just an observation using my 566AT, no 366 and the new software:
NB (reg or H) - activating noticing very little noise blanking (same as 2.039), as in non-functioning
NB - activating makes most SSB audio sound underwater. A bit better than 2.039 but still there
AN - works good

SAF - Still testing

Thanks for all your HARD work. Have a Super Bowl weekend, Go Steelers ! (HA!!)
73,
Sam
K3SAM

[Non-text portions of this message have been removed]

7675. New 3.025 & SAF

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-04 03:32:54 UTC
From: John Hudson
Topic: 7674 Message: 7675

Just a quick note to share my experience with the HK0NA dxpedition since I installed the new firmware. I have an O1 for that last 4 years or so and while I have some hardware glitches that have plagued me for a couple of years, I never sent it back..yet but this SAF is the BEST THING ever! A couple of contacts on CW using SAF was amazing but tonight I needed 160 SSB to complete all the HF slots and right at 8:00 pm central (in west Ky) AB4IQ called me and said "he's on 160 ssb". So I RAN to the shack and turned on the rig, switched antennas as the amp is warming up.. SOLID +30 STATIC CRASHES from some storms in this part of the country and most of the time +50!!!! WOW... I could hear a word or letter in the static crashes ever so often and on the 1st call I "thought" I heard the op come back with KO but there was too many crashes, and then I heard a few other stations call HK0NA. So after 20 minutes of listening and really tuning the SAF, NR and VFO I got it just right in the noise and gave him a call and he came back and I heard him 100%. Pretty awesome new feature, I'm happy with it. BTW without the SAF on.. he wasn't there at all.

I know others have said this, but it's like a new radio again. Antenna is a inverted L at 50' off the tower with 9 radials running 600-800 watts

Thanks John and the testers

73

John

KO4XJ

[Non-text portions of this message have been removed]

7676. Re: [orion565] New 3.025 & SAF

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-04 03:42:15 UTC
From: amfone
Topic: 7674 Message: 7676

Hello
 I have an early Orion which has not been updated in any manner. I am using a beta version for the firmware. Will this new version work with my old Orion?

Thanks

Tim
WB8UHZ

From: John Hudson <jd_hudson@...>
To: orion565@yahoogroups.com
Sent: Friday, February 3, 2012 10:32 PM
Subject: [orion565] New 3.025 & SAF

Just a quick note to share my experience with the HK0NA dxpedition since I installed the new firmware. I have an O1 for that last 4 years or so and while I have some hardware glitches that have plagued me for a couple of years, I never sent it back..yet but this SAF is the BEST THING ever! A couple of contacts on CW using SAF was amazing but tonight I needed 160 SSB to complete all the HF slots and right at 8:00 pm central (in west Ky) AB4IQ called me and said "he's on 160 ssb". So I RAN to the shack and turned on the rig, switched antennas as the amp is warming up.. SOLID +30 STATIC CRASHES from some storms in this part of the country and most of the time +50!!!! WOW... I could hear a word or letter in the static crashes ever so often and on the 1st call I "thought" I heard the op come back with KO but there was too many crashes, and then I heard a few other stations call HK0NA. So after 20 minutes of listening and really tuning the SAF, NR and VFO I got it just right in the noise and gave him a call and he came back and I heard him 100%. Pretty awesome new feature, I'm happy with it. BTW without the SAF on.. he wasn't there at all.

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Thanks John and the testers

73

John

KO4XJ

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[Non-text portions of this message have been removed]

7677. RE: [orion565] New 3.025 & SAF

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-04 03:49:25 UTC
From: John Hudson
Topic: 7674 Message: 7677

I think you have to have the V2 mod done but YES it should unless someone has another reason it shouldn’t. Hold the MENU button until you get the TT screen and it will show you your firmware version and if the V2 mod is confirmed

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of amfone
Sent: Friday, February 03, 2012 9:42 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] New 3.025 & SAF

Hello
I have an early Orion which has not been updated in any manner. I am using a beta version for the firmware. Will this new version work with my old Orion?

Thanks

Tim
WB8UHZ

From: John Hudson <jd_hudson@... <mailto:jd_hudson%40comcast.net> >
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Sent: Friday, February 3, 2012 10:32 PM
Subject: [orion565] New 3.025 & SAF

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Thanks John and the testers

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John

KO4XJ

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[Non-text portions of this message have been removed]

7678. Re: New 3.026 firmware bug (minor)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-04 04:07:56 UTC
From: eric_rosenberg
Topic: 7647 Message: 7678

same on my 565, but it's been that way for a while.

Eric W3DQ

--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
> On my Orion II, if the notch button is set up for SAF (either or both Rcvrs), when you hit the RIT button the left half of the S in SAF is blanked out. This happens to both the Ss whether SAF/NOTCH Track is set on or off.
>
> 73, Floyd - K8AC
>

7679. Re: [orion565] New 3.025 & SAF

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-04 04:11:22 UTC
From: amfone
Topic: 7674 Message: 7679

No I don't have the V2 mod John.

Tim

From: John Hudson <jd_hudson@...>
To: orion565@yahoogroups.com
Sent: Friday, February 3, 2012 10:49 PM
Subject: RE: [orion565] New 3.025 & SAF

I think you have to have the V2 mod done but YES it should unless someone has another reason it shouldn’t. Hold the MENU button until you get the TT screen and it will show you your firmware version and if the V2 mod is confirmed

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of amfone
Sent: Friday, February 03, 2012 9:42 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] New 3.025 & SAF

Hello
I have an early Orion which has not been updated in any manner. I am using a beta version for the firmware. Will this new version work with my old Orion?

Thanks

Tim
WB8UHZ

From: John Hudson <jd_hudson@... <mailto:jd_hudson%40comcast.net> >
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Sent: Friday, February 3, 2012 10:32 PM
Subject: [orion565] New 3.025 & SAF

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I know others have said this, but it's like a new radio again. Antenna is a inverted L at 50' off the tower with 9 radials running 600-800 watts

Thanks John and the testers

73

John

KO4XJ

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[Non-text portions of this message have been removed]

7680. Re: [orion565] New 3.025 & SAF

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-04 04:41:08 UTC
From: Mike, K9UW
Topic: 7674 Message: 7680

My understanding is that the new firmware WILL work with the rigs lacking the V2 mod. All you lose is the revisions to the Sweep feature provided by the hardware mod.

One of the V3 Beta Testers should hop in here at some point with a firm answer.

73, de Mike, K9UW

On 2/3/2012 9:49 PM, John Hudson wrote:
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> I think you have to have the V2 mod done but YES it should unless
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> until you get the TT screen and it will show you your firmware version
> and if the V2 mod is confirmed
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> John
>
> KO4XJ
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>]
> On Behalf Of amfone
> Sent: Friday, February 03, 2012 9:42 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] New 3.025 & SAF
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> Hello
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> Thanks
>
> Tim
> WB8UHZ
>
> _____
> From: John Hudson <jd_hudson@...
> <mailto:jd_hudson%40comcast.net> <mailto:jd_hudson%40comcast.net> >
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Sent: Friday, February 3, 2012 10:32 PM
> Subject: [orion565] New 3.025 & SAF
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> I know others have said this, but it's like a new radio again. Antenna
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> inverted L at 50' off the tower with 9 radials running 600-800 watts
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> Thanks John and the testers
>
> 73
>
> John
>
> KO4XJ
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> [Non-text portions of this message have been removed]
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7681. Re: [orion565] New 3.025 & SAF

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-04 05:12:46 UTC
From: amfone
Topic: 7674 Message: 7681

OK thanks Mike

I wonder without going into great detail just what I can expect regarding improvements for the Orion. I use it only for SSB.

73 tim
WB8UHZ

From: "Mike, K9UW" <k9uw@wi-net.com>
To: orion565@yahoogroups.com
Sent: Friday, February 3, 2012 11:41 PM
Subject: Re: [orion565] New 3.025 & SAF

My understanding is that the new firmware WILL work with the rigs
lacking the V2 mod. All you lose is the revisions to the Sweep feature
provided by the hardware mod.

One of the V3 Beta Testers should hop in here at some point with a firm
answer.

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>
> KO4XJ
>
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> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>]
> On Behalf Of amfone
> Sent: Friday, February 03, 2012 9:42 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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> <mailto:jd_hudson%40comcast.net> <mailto:jd_hudson%40comcast.net> >
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> <mailto:orion565%40yahoogroups.com>
> Sent: Friday, February 3, 2012 10:32 PM
> Subject: [orion565] New 3.025 & SAF
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> John
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> KO4XJ
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7682. S meter not at zero

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-04 10:53:01 UTC
From: fee@sfu.ca
Topic: 7682 Message: 7682

Hi all.

I did a quick search for this but found nothing.

The S-meter on my Orion 565 doesn't sit at zero when there is no signal.

I've unplugged the antenna and also tried terminating it with a 50 ohm dummy load, it still sits at about 1.5 s units.

It did it when I was on v1.3xx and and still does it after the 3.025 flash.

Not the end of the world but odd.

Does anyone else have that problem ?

Thanks, cheers and 73....dave / VE7SGI.

7683. Re: [orion565] Re: 3.026 Firmware Bug

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-04 14:01:50 UTC
From: k3xr@comcast.net
Topic: 7619 Message: 7683

Question on the RX 366, sorry if it's already been answered. Are the filters in the 566 interchangeable with those in the RX366. Can you use the RX366 as your main receiver and move over existing filters? Thanks, DAN K3XR

----- Original Message -----
From: k3xr@...
To: orion565@yahoogroups.com
Sent: Thursday, February 2, 2012 9:29:13 PM
Subject: Re: [orion565] Re: 3.026 Firmware Bug

Sounds good John, left the rig hooked up to the computer and ready to go. DAN, K3XR

----- Original Message -----
From: "John" < jhenry@... >
To: orion565@yahoogroups.com
Sent: Thursday, February 2, 2012 8:02:25 PM
Subject: [orion565] Re: 3.026 Firmware Bug

We found the problem, and have it resolved.
I would like to wait for about a week, collect inputs on any other issues found during that time, and make a public release then.

Thanks for bringing this to our attention, we'll resolve 'em if we can reproduce 'em.

Thanks,
John Henry

--- In orion565@yahoogroups.com , k3xr@... wrote:
>
> Same result here Chris,Â DAN, K3XR
>
> ----- Original Message -----
> From: "chinson0" <chinson1@...>
> To: orion565@yahoogroups.com
> Sent: Thursday, February 2, 2012 4:48:52 AM
> Subject: [orion565] 3.026 Firmware Bug
>
> Â
>
>
>
>
> After installing the new firmware on my Orion 2 I noticed the H/W mic gain does not change the audio output. I did both resets and reloaded the firmware.
> Does anybody else have this same problem?
> 73, Chris K4osk
>

>
>
>
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7684. ORION 565 v 3.025 bug (strange screen garbage)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-04 17:28:23 UTC
From: Martin
Topic: 7658 Message: 7684

Just got a strange garbage on the screen using tlf contesting software for linux (https://github.com/Tlf/tlf).

The radio is controlled with hamlib.
All the software is open source, also the communication radio <-> computer can be easily tracked down. Apparently the display shows parts of this communication.

See the pics
http://www.ok1rr.com/public/orion-bug1.jpg

and the detail
http://www.ok1rr.com/public/orion-bug2.jpg

Switching off/on clears the screen (returns to usual display), after a minute or two the garbage appears again. My usual logger is CQRLOG for linux which employs the same hamlb and no garbage screen. Initially, the garbage contains frq control sequences like @AF21026148 or so.

Windoze software not tested.

73
Martin, OK1RR

7685. All serial ports not created equal

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-04 17:35:18 UTC
From: floydsense
Topic: 7685 Message: 7685

Recently I reported a problem trying to apply the V3 update to my Orion II via a real serial port. While several other programs, including Onno's Serial Port Testing program, ran just fine on the port the V3 update program reported a failure at the start each time.

After much experimentation, I find that I can run the update just fine using the serial port on my Intel motherboard. But, none of the four serial ports on two PCI cards will allow the update to run. Exactly what's happening is unclear since Update doesn't provide any details on the error it encountered. But, there's clearly something in the add-on serial port hardware or drivers (yes - they're up to date) that causes the problem. These cards have a chipset from MosChip Semiconductor Technologies and were inexpensive cards from Newegg.

So, if you are having a problem doing the update via a real serial port and you're using an add-on serial port card, you might want to try the serial port on the motherboard, if you have one. Otherwise, I've found that I can do the update with no problem using a Prolific USB/Serial converter from this Win 7 system. There are apparently other converter cables that work as well.

73, Floyd - K8AC

7686. Re: ORION 565 v 3.025 bug (strange screen garbage)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-04 18:44:37 UTC
From: pa1ap
Topic: 7658 Message: 7686

Hi,

Do you know the polling time, command intergap time as well which commands are send to the orion? We are investigating the challenge and ypour help is much appreciated! Best regards, onno

--- In orion565@yahoogroups.com, Martin <martin@...> wrote:
>
> Just got a strange garbage on the screen using tlf contesting software
> for linux (https://github.com/Tlf/tlf).
>
> The radio is controlled with hamlib.
> All the software is open source, also the communication radio <->
> computer can be easily tracked down. Apparently the display shows parts
> of this communication.
>
> See the pics
> http://www.ok1rr.com/public/orion-bug1.jpg
>
> and the detail
> http://www.ok1rr.com/public/orion-bug2.jpg
>
> Switching off/on clears the screen (returns to usual display), after a
> minute or two the garbage appears again. My usual logger is CQRLOG for
> linux which employs the same hamlb and no garbage screen. Initially, the
> garbage contains frq control sequences like @AF21026148 or so.
>
> Windoze software not tested.
>
> 73
> Martin, OK1RR
>

7687. Re: [orion565] Re: ORION 565 v 3.025 bug (strange screen garbage)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-04 19:14:16 UTC
From: Martin
Topic: 7658 Message: 7687

It has poll rate 500 -> the radio is polled two times per second.

73
Martin, OK1RR

Dne 4.2.2012 19:44, pa1ap napsal(a):
> Hi,
>
> Do you know the polling time, command intergap time as well which commands are send to the orion? We are investigating the challenge and ypour help is much appreciated! Best regards, onno
>
>
> --- In orion565@yahoogroups.com, Martin<martin@...> wrote:
>>
>> Just got a strange garbage on the screen using tlf contesting software
>> for linux (https://github.com/Tlf/tlf).
>>
>> The radio is controlled with hamlib.
>> All the software is open source, also the communication radio<->
>> computer can be easily tracked down. Apparently the display shows parts
>> of this communication.
>>
>> See the pics
>> http://www.ok1rr.com/public/orion-bug1.jpg
>>
>> and the detail
>> http://www.ok1rr.com/public/orion-bug2.jpg
>>
>> Switching off/on clears the screen (returns to usual display), after a
>> minute or two the garbage appears again. My usual logger is CQRLOG for
>> linux which employs the same hamlb and no garbage screen. Initially, the
>> garbage contains frq control sequences like @AF21026148 or so.
>>
>> Windoze software not tested.
>>
>> 73
>> Martin, OK1RR
>>
>
>
>

7688. Re: [orion565] Re: 3.026 Firmware Bug

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-04 21:01:41 UTC
From: Larry Menzel
Topic: 7619 Message: 7688

HI, Dan,

Yes, they are the same filters.

Larry, W0PR

On Sat, Feb 4, 2012 at 8:01 AM, <k3xr@...> wrote:

> **
>
>
> Question on the RX 366, sorry if it's already been answered. Are the
> filters in the 566 interchangeable with those in the RX366. Can you use
> the RX366 as your main receiver and move over existing filters? Thanks,
> DAN K3XR
>
> ----- Original Message -----
> From: k3xr@...
> To: orion565@yahoogroups.com
> Sent: Thursday, February 2, 2012 9:29:13 PM
> Subject: Re: [orion565] Re: 3.026 Firmware Bug
>
>
>
> Sounds good John, left the rig hooked up to the computer and ready to go.
> DAN, K3XR
>
> ----- Original Message -----
> From: "John" < jhenry@... >
> To: orion565@yahoogroups.com
> Sent: Thursday, February 2, 2012 8:02:25 PM
> Subject: [orion565] Re: 3.026 Firmware Bug
>
>
>
> We found the problem, and have it resolved.
> I would like to wait for about a week, collect inputs on any other issues
> found during that time, and make a public release then.
>
> Thanks for bringing this to our attention, we'll resolve 'em if we can
> reproduce 'em.
>
> Thanks,
> John Henry
>
> --- In orion565@yahoogroups.com , k3xr@... wrote:

> >
> > Same result here Chris,? DAN, K3XR
> >
> > ----- Original Message -----
> > From: "chinson0" <chinson1@...>
> > To: orion565@yahoogroups.com
> > Sent: Thursday, February 2, 2012 4:48:52 AM
> > Subject: [orion565] 3.026 Firmware Bug
> >
> > ?
> >
> >
> >
> >
> > After installing the new firmware on my Orion 2 I noticed the H/W mic
> gain does not change the audio output. I did both resets and reloaded the
> firmware.
> > Does anybody else have this same problem?
> > 73, Chris K4osk
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

7689. Ham Radio Delux set up for PSK-31

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-04 21:54:02 UTC
From: donkn5i
Topic: 7689 Message: 7689

Does anyone know why when in transmit PSK-31 with Ham Radio Delux all I send is a carrier. I receive ok. Radio keys up and shows watts out on watt meter, but only sends a straight line carrier. Also does this on MT-63. The e-mail is still good, but the new call is: W5DAM. If anyone knows what settings to use I would appreciate help. I am using a buscomm interface through the sound card.
73 Donald A May

7690. Re: [orion565] ORION 565 v 3.025 bug (strange screen garbage)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-04 23:25:23 UTC
From: Barry N1EU
Topic: 7658 Message: 7690

Does the garbage appear on the screen after you tune the radio, especially if you tune quickly, or does it just appear randomly even when you are not tuning?

Barry N1EU

On Sat, Feb 4, 2012 at 5:28 PM, Martin <martin@ok1rr.com> wrote:

> **
>
>
> Just got a strange garbage on the screen using tlf contesting software
> for linux (https://github.com/Tlf/tlf).
>
> The radio is controlled with hamlib.
> All the software is open source, also the communication radio <->
> computer can be easily tracked down. Apparently the display shows parts
> of this communication.
>
> See the pics
> http://www.ok1rr.com/public/orion-bug1.jpg
>
> and the detail
> http://www.ok1rr.com/public/orion-bug2.jpg
>
> Switching off/on clears the screen (returns to usual display), after a
> minute or two the garbage appears again. My usual logger is CQRLOG for
> linux which employs the same hamlb and no garbage screen. Initially, the
> garbage contains frq control sequences like @AF21026148 or so.
>
> Windoze software not tested.
>
> 73
> Martin, OK1RR
>
>

[Non-text portions of this message have been removed]

7691. Re: [orion565] ORION 565 v 3.025 bug (strange screen garbage)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 01:28:43 UTC
From: Martin
Topic: 7658 Message: 7691

The radio must be tuned. More after contest (FOC MARATHON).

73
Martin, OK1RR

Dne 5.2.2012 00:25, Barry N1EU napsal(a):
> Does the garbage appear on the screen after you tune the radio, especially
> if you tune quickly, or does it just appear randomly even when you are not
> tuning?
>
> Barry N1EU
>
> On Sat, Feb 4, 2012 at 5:28 PM, Martin<martin@...> wrote:
>
>> **
>>
>>
>> Just got a strange garbage on the screen using tlf contesting software
>> for linux (https://github.com/Tlf/tlf).
>>
>> The radio is controlled with hamlib.
>> All the software is open source, also the communication radio<->
>> computer can be easily tracked down. Apparently the display shows parts
>> of this communication.
>>
>> See the pics
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>>
>> Switching off/on clears the screen (returns to usual display), after a
>> minute or two the garbage appears again. My usual logger is CQRLOG for
>> linux which employs the same hamlb and no garbage screen. Initially, the
>> garbage contains frq control sequences like @AF21026148 or so.
>>
>> Windoze software not tested.
>>
>> 73
>> Martin, OK1RR
>>
>>
>
>
> [Non-text portions of this message have been removed]

>
>

7692. RX366 panadpter interface

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 02:18:28 UTC
From: objectiveuser
Topic: 7692 Message: 7692

My RX366 arrived via USPS this Saturday afternoon - installed it and it seems to work FB!

I need info about which TMP jack on the RX366 board is the IF out for the panadapter - I plan on using the SPARE RCA jack on the back of my Orion 565 - I have a TMP cable ready to go - just need the ID of the jack on the RX366 board and confirm that the empty TMP jack on back panel is the connection to the SPARE RCA jack.

I have my LP-PAN and N4PY and PowerSDR-IF software ready to go.

Terry Zivney, N4TZ
N4TZ at ARRL.NET

7693. Interested in purchasing filters for Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 02:36:51 UTC
From: w3etc
Topic: 7693 Message: 7693

Hello,

I would be interested in purchasing some optional filters for the Orion II. Let me know what you might have available 1.8 kHz (model 2000), 600 Hz (model 2001), or 300 Hz (model 2002).

I work mostly SSB and the data modes.

Thanks

Ed W3ETC

7694. Re: [orion565] RX366 panadpter interface

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 05:44:38 UTC
From: K Van Horn
Topic: 7692 Message: 7694

Hi Terry,
Glad your RX366 arrived safely!!! Mine are due here in Montana on Tuesday. I was wondering if you could do me a favor with your rx366. Could you listen down in the AM broadcast band and see if you can listen to any AM stations. I was just wondering how well it would work as an auxiliary receiver for am country music and the like. If you could listen and let me know, I would sure appreciate it!!
73 ES Gud DX,
Kirby, K7EC

From: objectiveuser
Sent: Saturday, February 04, 2012 19:18
To: orion565@yahoogroups.com
Subject: [orion565] RX366 panadpter interface

My RX366 arrived via USPS this Saturday afternoon - installed it and it seems to work FB!

I need info about which TMP jack on the RX366 board is the IF out for the panadapter - I plan on using the SPARE RCA jack on the back of my Orion 565 - I have a TMP cable ready to go - just need the ID of the jack on the RX366 board and confirm that the empty TMP jack on back panel is the connection to the SPARE RCA jack.

I have my LP-PAN and N4PY and PowerSDR-IF software ready to go.

Terry Zivney, N4TZ
N4TZ at ARRL.NET

[Non-text portions of this message have been removed]

7695. Re: All serial ports not created equal

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 07:27:12 UTC
From: storygene
Topic: 7685 Message: 7695

Hi Floyd -

I knew when I read your original post that the problem was on the computer side, not the Orion but I didn't post a reply then. My apologies. I'll try not to make this a novel length but it helps to relate a somewhat similar issue in a different field.

Serial port issues can drive you crazy.

Years ago I received a call from a customer who installed one of my companies software products to interface to an platesetter. These are basically overgrown, expensive laser printers that etch text and images into metal plates that are then placed on a printing press.

In this case there were two cable interconnects between the computer and 'setter; a parallel 29160 SCSI data interface and a common serial control and machine status interface. The customer already had one 'setter running on another computer perfectly. This second 'setter/cables/computer were 100% identical except for two things. They had a terminal-workstation connected to the serial port on the motherboard and the serial cable for the 'setter was connected to an add-in multiport PCI card.

The troubleshooting over the telephone began with customer asuring me both systems hardware and software were identical. This 2nd system however, sometimes worked ok on smaller imaging jobs but consistently failed to complete larger jobs. While on the telephone I had them switch SCSI and serial cables to the other computer and the 2nd 'setter completed larger work without issue. Switching cables back to #2 computer, things failed again. I was pretty sure the issue was incomplete serial status information from the 'setter which would cause the SCSI data flow to hang. Somewhere about now I connected into this 2nd system remotely over the Internet and at first I found nothing askew in software and hardware configuration. And then I noticed the COM port assignment was not what I expected and that led to me finding a PCI device reporting it's presence which this particular COM port was assigned too. AH HAH! I think about this point the customer told me about a terminal was connected to this computer running hyperterminal program and the 'setters serial cable had been plugged into a port on the add-in PCI card. Hey, a serial port is a serial port, right? Well..... Here's where we toss in "it depends" and things get complicated.

From prior experience, I knew that this configuration demanded that the serial port needed to maintain constant-contact with the 'setter machine. As the SCSI 29160 parallel interface was pushing large amounts of data over to a laser imaging machine running something like 2,400 dots per inch to image onto plates that were about 30 inches in size, the plate position and imaging data completed needed to identify back to the computer constantly it's present state. Laser imaged plates can NOT have the laser stop "burning" the plate even for a second, otherwise the plate will have anomolies in the etched image at best and at worst, the imaging will stop completely, wasting expensive plates and the lasers in these buggers are not cheap either. The add-in PCI card would have a single "IRQ" (Interrupt) servicing 4 ports or whatever the card was and at a different priority than the motherboard port set for COM1. Masking and other things come into play with the interrupt request on how you get

multiple ports on a card to get the data through the right port connector. Anyway...

It gets deep to pick this apart as to why only one device on a port on this multi-port card didn't get serviced like the motherboard port but from experience, I was sure the issue would be solved by moving the cable over to the motherboard port assigned as COM1, and of course changing the soft port assignment so that the imaging software used that port. Instant, solid success with that change. And the terminal was connected to the multi-port PCI card and it also worked perfectly. I think that terminal had a higher bit per second configuration but buffering data and I am sure a lower overall demand on the actual serial text data flow was a-ok for it.

Now I could have done some other things that would have gotten the card to work with the 'setters needs just peachy. PCI slot change for the card and/or a different COM port-group-soft-assignment and I could have worked this out but I took the easy path that I knew would work straight away.

USB ports on a computer can be fussier. Most of us have more than a few ports and likely a few USB devices plugged into them. If two or more of these are concurrently active devices, the computers cpu can be getting nagged a lot to service requests from USB ports. Someone else indicated they unplugged all USB devices when they did their firmware updates. That actually may be providing him a better lock on cpu-attention to the IRQ request for his firmware update. Depends if the update flags an interrupt and maintains it, or drops it and then asks for it again--if another port already got the cpu paying attention to it's IRQ, then the firmware update might time out if it isn't getting serviced in a timely fashion.

I can shoot holes in my own story but to paint the entire picture of what takes place would make this dreadfully long(er). I think the point is that it helps to get the computer focused on some tasks that demand more constant attention. And that is regardless of the computers touted performance. We do not want the data stream of a firmware update, especially larger firmware data sets to fail to complete. For some devices this can turn into a real mess but at the very least, frustrating. Other devices and their lower soft-data demands on legacy or usb type serial ports will not likely hiccup with a momentary stall in being serviced.

Gene / K7TXO

--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
> Recently I reported a problem trying to apply the V3 update to my Orion II via a real serial port. While several other programs, including Onno's Serial Port Testing program, ran just fine on the port the V3 update program reported a failure at the start each time.

>
> After much experimentation, I find that I can run the update just fine using the serial port on my Intel motherboard. But, none of the four serial ports on two PCI cards will allow the update to run. Exactly what's happening is unclear since Update doesn't provide any details on the error it encountered. But, there's clearly something in the add-on serial port hardware or drivers (yes - they're up to date) that causes the problem. These cards have a chipset from MosChip Semiconductor Technologies and were inexpensive cards from Newegg.
>
> So, if you are having a problem doing the update via a real serial port and you're using an add-on serial port card, you might want to try the serial port on the motherboard, if

you have one. Otherwise, I've found that I can do the update with no problem using a Prolific USB/Serial converter from this Win 7 system. There are apparently other converter cables that work as well.
>
> 73, Floyd - K8AC
>

7696. Re: ORION 565 v 3.025 bug (strange screen garbage)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 10:08:32 UTC
From: pa1ap
Topic: 7658 Message: 7696

Martin,

Good luck in contest.

Possible root causes are identified and tentec development is looking into it. Last contact with john was few hours ago and no stone is left unturned.

Lets hope the strange screen garbage can be solved quickly.

Best regards, onno

--- In orion565@yahoogroups.com, Martin <martin@...> wrote:
>
> The radio must be tuned. More after contest (FOC MARATHON).
>
> 73
> Martin, OK1RR
>
> Dne 5.2.2012 00:25, Barry N1EU napsal(a):
> > Does the garbage appear on the screen after you tune the radio, especially
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> >
> > Barry N1EU
> >
> > On Sat, Feb 4, 2012 at 5:28 PM, Martin<martin@...> wrote:
> >
> >> **
> >>
> >>
> >> Just got a strange garbage on the screen using tlf contesting software
> >> for linux (https://github.com/Tlf/tlf).
> >>
> >> The radio is controlled with hamlib.
> >> All the software is open source, also the communication radio<->
> >> computer can be easily tracked down. Apparently the display shows parts
> >> of this communication.
> >>
> >> See the pics
> >> http://www.ok1rr.com/public/orion-bug1.jpg
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> >> and the detail
> >> http://www.ok1rr.com/public/orion-bug2.jpg
> >>
> >> Switching off/on clears the screen (returns to usual display), after a
> >> minute or two the garbage appears again. My usual logger is CQRLOG for

> >> linux which employs the same hamlb and no garbage screen. Initially, the
> >> garbage contains frq control sequences like @AF21026148 or so.
> >>
> >> Windoze software not tested.
> >>
> >> 73
> >> Martin, OK1RR
> >>
> >>
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
>

7697. Re: [orion565] RX366 panadpter interface

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 11:18:28 UTC
From: Barry N1EU
Topic: 7692 Message: 7697

The RX366 seems to do a good job with AM band reception. I think it will meet those needs of yours Kirby.

73, Barry N1EU

On Sun, Feb 5, 2012 at 5:44 AM, K Van Horn <k7ec@...> wrote:

> **
>
>
> Hi Terry,
> Glad your RX366 arrived safely!!! Mine are due here in Montana on Tuesday.
> I was wondering if you could do me a favor with your rx366. Could you
> listen down in the AM broadcast band and see if you can listen to any AM
> stations. I was just wondering how well it would work as an auxiliary
> receiver for am country music and the like. If you could listen and let me
> know, I would sure appreciate it!!
> 73 ES Gud DX,
> Kirby, K7EC
>
> From: objectiveuser
> Sent: Saturday, February 04, 2012 19:18
> To: orion565@yahoogroups.com
> Subject: [orion565] RX366 panadpter interface
>
>
> My RX366 arrived via USPS this Saturday afternoon - installed it and it
> seems to work FB!
>
> I need info about which TMP jack on the RX366 board is the IF out for the
> panadapter -
> I plan on using the SPARE RCA jack on the back of my Orion 565 - I have a
> TMP cable
> ready to go - just need the ID of the jack on the RX366 board and confirm
> that the empty
> TMP jack on back panel is the connection to the SPARE RCA jack.
>
> I have my LP-PAN and N4PY and PowerSDR-IF software ready to go.
>
> Terry Zivney, N4TZ
> N4TZ at ARRL.NET
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

7698. Re: S meter not at zero

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 14:35:48 UTC
From: Fred lajoie
Topic: 7682 Message: 7698

Downloaded the new firmware with no problems but did find a few problems
1. On CW when receiving strong signals there is a loud popping noise as the signal approaches 50 to 60 DB
2. When trying to zero beat a CW signal, there is again a loud popping noise.
3. The signal on the band activity screen shows the station down 1.5KW from the actual frequency I am receiving him on. Tried it on 80m, 15m, 20m and 10m with the same results.

Fred

Sent from my iPad

7699. Re: All serial ports not created equal

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 14:38:06 UTC
From: floydsense
Topic: 7685 Message: 7699

Gene - many thanks for speaking up! I understand everything you wrote and now believe that is the core of this issue. I just read through the Intel manual for my motherboard and looked at the IRQ assignments on my system. The motherboard Com port uses IRQ 4, which is UNSHARED. I have two PCI boards with 2 com ports each and in both cases there is a single IRQ for the two ports and that IRQ is shared with other devices in the system. I had thought I'd play around with the IRQ assignments, and while Windows 7 allows me to change the IRQ for the com port on the motherboard, it doesn't allow doing that for the PCI board com ports.

I read through a lot of forum posts on the subject of IRQs for Windows 7 and found multiple places where the Microsoft rep announced that IRQ sharing no longer has any importance and he proceeded to point to the motherboard as the problem. I read that as: "We have no idea what the problem is, but we think we can get away with blaming one of the other vendors and you'll go away."

One oddity of this problem that steered me away from a possible IRQ problem is that the failure is 100% solid and reproducible, and that it occurs at the very beginning of the communications between the Update program and the Orion. I say that because Update doesn't even get to the point where it's processing statement #1 in the update. But, other software such as Onno's Serial Port Testing program (in the files section here) works successfully 100% of the time using the same hardware and com port. Often, serial port related problems show up more with the higher speeds and it would be nice if the Orion allowed you to set a lower speed on the CAT port, but that's not an option.

So, I'd say this problem is very much dependent on individual motherboards and hardware and operating system and if someone encounters it, he should try a com port on the motherboard and see if that solves it.

Some current motherboards (mine is an Intel) complicate things by placing the serial port header far away from the backpanel card area and the manufacturer doesn't even supply a header cable to get to the backpanel. The normal 11 or 12 inch cable and connector will reach only if you do a bit of stretching.

Hopefully, my next motherboard will still have a serial port on it.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "storygene" <k7txo@...> wrote:
>
> Hi Floyd -
>
> I knew when I read your original post that the problem was on the computer side, not the Orion but I didn't post a reply then. My apologies. I'll try not to make this a novel length but it helps to relate a somewhat similar issue in a different field.
>
> Serial port issues can drive you crazy.
>

<<snip>>

7700. Re: [orion565] RX366 panadpter interface

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 14:53:24 UTC
From: John Huffman
Topic: 7692 Message: 7700

Terry -

I am very interested in doing the same thing. I would like to know if the PowerSDR-IF panadapter display shows a flat response. I have been using the buffer amplifier IF tap described by VE7TK. There is a 10db dip in the output near the center frequency and I am hoping that the RX366 doesn't have that issue. Also, using the tap results in a total bandwidth of about 120khz. I am hoping the RX366 will allow a bandwidth of 192khz.

I'm eager to hear your experience with the RX366.

73 de K1ESE
John

On 2/4/2012 9:18 PM, objectiveuser wrote:
>
> My RX366 arrived via USPS this Saturday afternoon - installed it and
> it seems to work FB!
>
> I need info about which TMP jack on the RX366 board is the IF out for
> the panadapter -
> I plan on using the SPARE RCA jack on the back of my Orion 565 - I
> have a TMP cable
> ready to go - just need the ID of the jack on the RX366 board and
> confirm that the empty
> TMP jack on back panel is the connection to the SPARE RCA jack.
>
> I have my LP-PAN and N4PY and PowerSDR-IF software ready to go.
>
> Terry Zivney, N4TZ
> N4TZ at ARRL.NET
>
>

[Non-text portions of this message have been removed]

7701. Re: RX366 panadpter interface

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 15:28:24 UTC
From: floydsense
Topic: 7692 Message: 7701

Turn on the hardware noise blanker, and watch the dip disappear.

73, K8AC

--- In orion565@yahoogroups.com, John Huffman <hjohnc@...> wrote:
>
> Terry -
>
> I am very interested in doing the same thing. I would like to know if
> the PowerSDR-IF panadapter display shows a flat response. I have been
> using the buffer amplifier IF tap described by VE7TK. There is a 10db
> dip in the output near the center frequency and I am hoping that the
> RX366 doesn't have that issue. Also, using the tap results in a total
> bandwidth of about 120khz. I am hoping the RX366 will allow a bandwidth
> of 192khz.
>
> I'm eager to hear your experience with the RX366.
>
> 73 de K1ESE
> John
>

7702. Re: [orion565] Re: RX366 panadpter interface

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 15:45:31 UTC
From: John Huffman
Topic: 7692 Message: 7702

> Turn on the hardware noise blanker, and watch the dip disappear.

Only if you want to lose your dynamic range. In a contest, DXing, or on
160m that's a poor option.

73 de K1ESE
John

[Non-text portions of this message have been removed]

7703. Re: RX366 panadpter interface

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 17:33:34 UTC
From: floydsense
Topic: 7692 Message: 7703

Of course. But, there are also instances where you'll see things that otherwise might escape notice. For example, a signal down in the mud on an otherwise quiet 6M band. Very useful when using a 6M transverter. In the other situations you mentioned, the dip is often not even noticeable. But, wouldn't it be nice if the dip weren't there in the first place.

--- In orion565@yahoogroups.com, John Huffman <hjohnc@...> wrote:
>
> > Turn on the hardware noise blanker, and watch the dip disappear.
>
> Only if you want to lose your dynamic range. In a contest, DXing, or on
> 160m that's a poor option.
>
> 73 de K1ESE
> John
>
>
> [Non-text portions of this message have been removed]
>

7704. New to my Orion I

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 17:41:39 UTC
From: bobdianetti@att.net
Topic: 7704 Message: 7704

Hello

I have an Orion 1 with the 762 filter in the 1000 hz slot, the 1000 hz filter in the 1.8 slot, and the INRAD 760 250hz in the 250 hz slot. 500 hz is empty.

It had V1.37 installed, so I successfully (!) performed the logic board mod and upgraded the software to the 3.025 and all is working well with the rig. I have a couple of questions:

1. Do I need the 250 hz filter? I've read various opinions about this. I operate a lot of CW.

2. Should I buy a 1.8 khz filter for the 1.8 slot?

3. How do I use the 600 hz 762 filter effectively?

I'm still getting used to everything on the radio - it works great and has a lot of tools for the engineeringish ham!

Any insights would be very much appreciated. 73s de KT8DX

7705. Re: [orion565] RX366 panadpter interface

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 18:01:16 UTC
From: Larry Menzel
Topic: 7692 Message: 7705

I concur. Very nice AM BC reception. At first I thought it was poor, then
I realized I was listening on my TH-11.
Switched over to my 160 antenna and VIOLA! Great AM BC...country music, as
well.

Very nice.

Larry, W0PR

On Sun, Feb 5, 2012 at 5:18 AM, Barry N1EU <barry.n1eu@...> wrote:

> **
>
>
> The RX366 seems to do a good job with AM band reception. I think it will
> meet those needs of yours Kirby.
>
> 73, Barry N1EU
>
> On Sun, Feb 5, 2012 at 5:44 AM, K Van Horn <k7ec@...> wrote:
>
> > **
> >
> >
> > Hi Terry,
> > Glad your RX366 arrived safely!!! Mine are due here in Montana on
> Tuesday.
> > I was wondering if you could do me a favor with your rx366. Could you
> > listen down in the AM broadcast band and see if you can listen to any AM
> > stations. I was just wondering how well it would work as an auxiliary
> > receiver for am country music and the like. If you could listen and let
> me
> > know, I would sure appreciate it!!
> > 73 ES Gud DX,
> > Kirby, K7EC
> >
> > From: objectiveuser
> > Sent: Saturday, February 04, 2012 19:18
> > To: orion565@yahoogroups.com
> > Subject: [orion565] RX366 panadpter interface
> >
> >
> > My RX366 arrived via USPS this Saturday afternoon - installed it and it
> > seems to work FB!
> >
> > I need info about which TMP jack on the RX366 board is the IF out for the

> > panadapter -
> > I plan on using the SPARE RCA jack on the back of my Orion 565 - I have a
> > TMP cable
> > ready to go - just need the ID of the jack on the RX366 board and confirm
> > that the empty
> > TMP jack on back panel is the connection to the SPARE RCA jack.
> >
> > I have my LP-PAN and N4PY and PowerSDR-IF software ready to go.
> >
> > Terry Zivney, N4TZ
> > N4TZ at ARRL.NET
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

7706. Re: [orion565] New to my Orion I

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 18:17:28 UTC
From: Barry N1EU
Topic: 7704 Message: 7706

On Sun, Feb 5, 2012 at 5:41 PM, bobdianetti@... <bobdianetti@...>wrote:

> **
>
> I have an Orion 1 with the 762 filter in the 1000 hz slot, the 1000 hz
> filter in the 1.8 slot, and the INRAD 760 250hz in the 250 hz slot. 500 hz
> is empty.
>
> 1. Do I need the 250 hz filter? I've read various opinions about this. I
> operate a lot of CW.
>

No, the 762 is all you need for CW

> 2. Should I buy a 1.8 khz filter for the 1.8 slot?
>

Yes, if you operate SSB contests; otherwise it probably won't be needed

>
> 3. How do I use the 600 hz 762 filter effectively?
>
>
Go into Menu - Filtr. Just make sure Xtal Filter is set to Auto and Enable
500 Hz and Enable 250 Hz are set to No. The 762 will be automatically
selected whenever your bandwidth is 1000hz or below. There's nothing else
for you to do. Just dial in whatever dsp selectivity you want with BW.

I operated in the toughest conditions for years in contests and on topband
with my Orion and 762 filter and I never felt that I needed a narrower
roofing filter.

73, Barry N1EU

[Non-text portions of this message have been removed]

7707. RX366 Orion 1 and V3.025

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 18:39:01 UTC
From: objectiveuser
Topic: 7707 Message: 7707

WIth the RX366 subreceiver installed and V3.025 firmware, when I try to enter 1.070 MHz into
VFO B which is asssigned to the subreceiver, I get a Frequency Not Supported message on the LCD.
On my other Orion with the original subreceiver, the same keystrokes give me the local AM station
using v1.372 (my gold standard for dx AM operation).

On the right hand side of the LCD display where the graphics show the receive bandwidth, there is an overbar down from wide open down to 710 Hz; from 700 Hz down, the overbar (which shows the roofing filter selected on the main receiver) disappears. I have installed and
selected the 600Hz filter in slot 2; the stock 2.4kHz filter is selected in slot 1.

Terry Zivney N4TZ

7708. Re: [orion565] RX366 Orion 1 and V3.025

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 18:43:56 UTC
From: Barry N1EU
Topic: 7707 Message: 7708

To enter 1070Khz:

push VFOB ENTER
push 0-1-0-7-0
push VFOB ENTER

Barry N1EU

On Sun, Feb 5, 2012 at 6:39 PM, objectiveuser <objectiveuser@...>wrote:

> **
>
>
> WIth the RX366 subreceiver installed and V3.025 firmware, when I try to
> enter 1.070 MHz into
> VFO B which is asssigned to the subreceiver, I get a Frequency Not
> Supported message on the LCD.
> On my other Orion with the original subreceiver, the same keystrokes give
> me the local AM station
> using v1.372 (my gold standard for dx AM operation).
>
> On the right hand side of the LCD display where the graphics show the
> receive bandwidth,
> there is an overbar down from wide open down to 710 Hz; from 700 Hz down,
> the overbar
> (which shows the roofing filter selected on the main receiver) disappears.
> I have installed and
> selected the 600Hz filter in slot 2; the stock 2.4kHz filter is selected
> in slot 1.
>
> Terry Zivney N4TZ
>
>
>

[Non-text portions of this message have been removed]

7709. Re: RX366 Orion 1 and V3.025

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 18:48:39 UTC
From: objectiveuser
Topic: 7707 Message: 7709

Oops - In addition to selecting the sub rx for VFO B, I had VFO B
selected for the transmitter (because I had been operating split) -
when I put the TX back on VFO A the RX366 hears FB on the BCB.

The note about the overbar on the bandwidth symbol still stands.

Terry

--- In orion565@yahoogroups.com, "objectiveuser" <objectiveuser@...> wrote:
>
> WIth the RX366 subreceiver installed and V3.025 firmware, when I try to enter 1.070 MHz
into
> VFO B which is asssigned to the subreceiver, I get a Frequency Not Supported message on
the LCD.
> On my other Orion with the original subreceiver, the same keystrokes give me the local AM
station
> using v1.372 (my gold standard for dx AM operation).
>
> On the right hand side of the LCD display where the graphics show the receive bandwidth,
> there is an overbar down from wide open down to 710 Hz; from 700 Hz down, the overbar
> (which shows the roofing filter selected on the main receiver) disappears. I have
installed and
> selected the 600Hz filter in slot 2; the stock 2.4kHz filter is selected in slot 1.
>
> Terry Zivney N4TZ
>

7710. Current Status of 566 V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 23:15:30 UTC
From: John
Topic: 7710 Message: 7710

So far, the 566 V3 firmware has been a huge success. Of course, I did expect that the broader group would find something that we missed.

We have resolved the current HW Mic gain issue seen in the Orion 566v3.026 firmware
The new build 566v3.027 is in the hands of the beta testers, and a few of the original problem reporters on the tentec contesting reflector. 566v3.027.

If there are other issues that I have missed on this and other reflectors that are critical for your operations, then please email them directly to me at jhenry at tentec.com
To help me sort them, please ensure you have 566v3.026 bug xxxx in the title. Easier for me to sort and not miss due to the amount of inquiries we are getting and the amount of positive feedback we are getting on the 566 V3 release. It is a winner, and it will only get better.

If I hear of no other issues with our current production 566 firmware, then once acceptance testing passes, and I have positive inputs from the beta test team, I will release it as a new release to the general public.

Best Regards,
John Henry
TenTec Engineering

7711. Current Status of 565 V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-05 23:53:32 UTC
From: John
Topic: 7711 Message: 7711

As in the 566, the 565v3.025 firmware has also been a huge success.

We are looking at the main issues that users have reported, and have been able to reproduce most of them.
Various screen gibberish characters related to CAT program / Logging. The beta testers spent endless hours Friday/Saturday and they were the ones that actually narrowed down the sequences required to repeat these issues at almost 100% rate now. My hats off to them for working so hard on this, to find ways to reproduce the issues seen by NQ4I and others. We can now reproduce them at TenTec, and it is just a matter of time before we lick the biggest display issue in 565. Please be patient, and stay tuned.

There are a couple of other items we will look at, in a build very soon, including:
A record / replay issue.
A Vox SSB issue.
And a few others.
I can reproduce these, and others, and will try to address them in a release before the end of the week to the beta test team, and hopefully to the world. All depends upon how long it takes to resolve them, and then the time for the beta team to now say that everything is OK with them as well.

If there are other issues that I have missed on this and other reflectors that are critical for your operations, then please email them directly to me at
jhenry at tentec.com
To help me sort them, please ensure you have 565v3.025 bug xxxx in the title.
Easier for me to sort and not miss due to the amount of inquiries we are getting and the amount of positive feedback we are getting on the 565 V3 release. It is a winner, and it will only get better.

Best Regards,
John Henry
TenTec Engineering

7713. Re: [orion565] RX366 panadpter interface

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-06 02:16:21 UTC
From: K Van Horn
Topic: 7692 Message: 7713

Thanks Barry and Larry!! Kirby, K7EC

-----Original Message-----
From: Larry Menzel
Sent: 05 February, 2012 11:01
To: orion565@yahoogroups.com
Subject: Re: [orion565] RX366 panadpter interface

I concur. Very nice AM BC reception. At first I thought it was poor, then
I realized I was listening on my TH-11.
Switched over to my 160 antenna and VIOLA! Great AM BC...country music, as
well.

Very nice.

Larry, W0PR

On Sun, Feb 5, 2012 at 5:18 AM, Barry N1EU <barry.n1eu@...> wrote:

> **
>
>
> The RX366 seems to do a good job with AM band reception. I think it will
> meet those needs of yours Kirby.
>
> 73, Barry N1EU
>
> On Sun, Feb 5, 2012 at 5:44 AM, K Van Horn <k7ec@...> wrote:
>
> > **
> >
> >
> > Hi Terry,
> > Glad your RX366 arrived safely!!! Mine are due here in Montana on
> Tuesday.
> > I was wondering if you could do me a favor with your rx366. Could you
> > listen down in the AM broadcast band and see if you can listen to any AM
> > stations. I was just wondering how well it would work as an auxiliary
> > receiver for am country music and the like. If you could listen and let
> me
> > know, I would sure appreciate it!!
> > 73 ES Gud DX,
> > Kirby, K7EC
> >
> > From: objectiveuser
> > Sent: Saturday, February 04, 2012 19:18

> > To: orion565@yahoogroups.com
> > Subject: [orion565] RX366 panadpter interface
> >
> >
> > My RX366 arrived via USPS this Saturday afternoon - installed it and it
> > seems to work FB!
> >
> > I need info about which TMP jack on the RX366 board is the IF out for
> > the
> > panadapter -
> > I plan on using the SPARE RCA jack on the back of my Orion 565 - I have
> > a
> > TMP cable
> > ready to go - just need the ID of the jack on the RX366 board and
> > confirm
> > that the empty
> > TMP jack on back panel is the connection to the SPARE RCA jack.
> >
> > I have my LP-PAN and N4PY and PowerSDR-IF software ready to go.
> >
> > Terry Zivney, N4TZ
> > N4TZ at ARRL.NET
> >
> > [Non-text portions of this message have been removed]
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Yahoo! Groups Links

7714. RE: [orion565] V3 update not successful yet

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-06 03:23:49 UTC
From: George Stiglich
Topic: 7555 Message: 7714

Art:

Not certain of your challenges . . . but I had trouble also upgrading . . . it turned out to be a problem with my USB/RS-232 cable! The cable worked Ok with HRD and other applications but would not let me compete the update (received communication failure & error messages). Changed the cable and updated easily. V3.025 worked very well. I also did not have the 366.

George N3LK

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of art davis
Sent: Tuesday, January 31, 2012 11:02 PM
To: orion565@yahoogroups.com
Subject: [orion565] V3 update not successful yet

After loading the new version 3.025 firmware into my 565, doing a master reset and clearing the memories, the radio lights up as it should but stops one step short of going operational. The screen displays the normal TT logo, Version number, date, time, DSP version and goes no further. I have repeated the process with same results. I am upgrading from 2.064x11.

I do not have the RX=366 installed and therefore I select "NO" when asked.

I am going to start all over and download the file again and try again. Any other suggestions?

Tnx, Art N4UC

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7715. RE: [orion565] V3 update not successful yet

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-06 03:36:37 UTC
From: John T. Fleming
Topic: 7555 Message: 7715

Art,

I would also like to suggest going to device manager and look at the ports listed. One should be the USB/Serial adapter you are using. Look at the properties to find what chip set is used in the adapter. I have Prolific in mine. When I had trouble with my adapter, I found that there was a newer driver for the chip set.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of George Stiglich
Sent: Sunday, February 05, 2012 10:24 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] V3 update not successful yet

Art:

Not certain of your challenges . . . but I had trouble also upgrading . . . it turned out to be a problem with my USB/RS-232 cable! The cable worked Ok with HRD and other applications but would not let me compete the update (received communication failure & error messages). Changed the cable and updated easily. V3.025 worked very well. I also did not have the 366.

George N3LK

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
Of art davis
Sent: Tuesday, January 31, 2012 11:02 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] V3 update not successful yet

After loading the new version 3.025 firmware into my 565, doing a master reset and clearing the memories, the radio lights up as it should but stops one step short of going operational. The screen displays the normal TT logo, Version number, date, time, DSP version and goes no further. I have repeated the process with same results. I am upgrading from 2.064x11.

I do not have the RX=366 installed and therefore I select "NO" when asked.

I am going to start all over and download the file again and try again. Any other suggestions?

Tnx, Art N4UC

[Non-text portions of this message have been removed]

7716. Re: [orion565] Current Status of 566 V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-06 04:25:47 UTC
From: Dick
Topic: 7710 Message: 7716

I would really like the band width of the sub-receiver to be allowed to increase to 9999Hz for DRM reception.
Hopefully that would not be a big change.....

Dick KD4JP

From: John <jhenry@tentec.com>
To: orion565@yahoogroups.com
Sent: Sunday, February 5, 2012 6:15 PM
Subject: [orion565] Current Status of 566 V3 firmware

So far, the 566 V3 firmware has been a huge success. Of course, I did expect that the broader group would find something that we missed.

We have resolved the current HW Mic gain issue seen in the Orion 566v3.026 firmware
The new build 566v3.027 is in the hands of the beta testers, and a few of the original problem reporters on the tentec contesting reflector. 566v3.027.

If there are other issues that I have missed on this and other reflectors that are critical for your operations, then please email them directly to me at jhenry at tentec.com
To help me sort them, please ensure you have 566v3.026 bug xxxx in the title. Easier for me to sort and not miss due to the amount of inquiries we are getting and the amount of positive feedback we are getting on the 566 V3 release. It is a winner, and it will only get better.

If I hear of no other issues with our current production 566 firmware, then once acceptance testing passes, and I have positive inputs from the beta test team, I will release it as a new release to the general public.

Best Regards,
John Henry
TenTec Engineering

[Non-text portions of this message have been removed]

7717. Re: Current Status of 566 V3 firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-06 12:12:59 UTC
From: wa4oss@netzero.net
Topic: 7710 Message: 7717

Likewise!

--- In orion565@yahoogroups.com, Dick <dick221z@...> wrote:
>
> I would really like the band width of the sub-receiver to be allowed to increase to 9999Hz for DRM reception.
> Hopefully that would not be a big change.....
>
> Dick KD4JP
>
>
>
> _____
> From: John <jhenry@...>
> To: orion565@yahoogroups.com
> Sent: Sunday, February 5, 2012 6:15 PM
> Subject: [orion565] Current Status of 566 V3 firmware
>
>
> Â
> So far, the 566 V3 firmware has been a huge success. Of course, I did expect that the broader group would find something that we missed.
>
> We have resolved the current HW Mic gain issue seen in the Orion 566v3.026 firmware
> The new build 566v3.027 is in the hands of the beta testers, and a few of the original problem reporters on the tentec contesting reflector. 566v3.027.
>
> If there are other issues that I have missed on this and other reflectors that are critical for your operations, then please email them directly to me at jhenry at tentec.com
> To help me sort them, please ensure you have 566v3.026 bug xxxx in the title. Easier for me to sort and not miss due to the amount of inquiries we are getting and the amount of positive feedback we are getting on the 566 V3 release. It is a winner, and it will only get better.
>
> If I hear of no other issues with our current production 566 firmware, then once acceptance testing passes, and I have positive inputs from the beta test team, I will release it as a new release to the general public.
>
> Best Regards,
> John Henry
> TenTec Engineering
>
>
>
>

> [Non-text portions of this message have been removed]
>

7718. Possible bug??

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-06 22:01:53 UTC
From: Larry Menzel
Topic: 7718 Message: 7718

Hi, guys, John,

I am accustomed to being able to listen on my headphones with both rx in my ears and the SUB in my right ear only.

To do this in previous software, I selected AUDIO/ Left as MAIN and Right as SUB. There used to be a small headphone indicator on the screen with both ears on the main rx, and just the right on the SUB.

I've tried every iteration, but can't get the icons right nor can I get audio for both ears for the main rx. No selection yield audio in both ears with the sub-receiver volume turned all the way down as in the past.

Anyone else finding this?

Larry, W0PR

PS...same on both the 565 and 566.

[Non-text portions of this message have been removed]

7719. Re: [orion565] Possible bug??

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-06 22:34:56 UTC
From: Barry N1EU
Topic: 7718 Message: 7719

Larry, my 565 can do exactly what you describe with audio and icons correct.

Barry N1EU

On Mon, Feb 6, 2012 at 10:01 PM, Larry Menzel <retire@means.net> wrote:

> **
>
>
> Hi, guys, John,
>
> I am accustomed to being able to listen on my headphones with both rx in my
> ears and the SUB in my right ear only.
>
> To do this in previous software, I selected AUDIO/ Left as MAIN and Right
> as SUB. There used to be a small headphone indicator on the screen with
> both ears on the main rx, and just the right on the SUB.
>
> I've tried every iteration, but can't get the icons right nor can I get
> audio for both ears for the main rx. No selection yield audio in both ears
> with the sub-receiver volume turned all the way down as in the past.
>
> Anyone else finding this?
>
> Larry, W0PR
>
> PS...same on both the 565 and 566.
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

7720. Re: [orion565] Possible bug??

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-06 22:45:55 UTC
From: Larry Menzel
Topic: 7718 Message: 7720

Well, I cannot, Barry. When I select MAIN and SUB all I get is Main audio on the left and sub on the right.

I can't get the double little earphone icon in the usual MAIN position, just a "left" earphone icon.

Can't get audio in both ears with the SUB RX turned all the way down or muted.

Larry

On Mon, Feb 6, 2012 at 4:34 PM, Barry N1EU <barry.n1eu@...> wrote:

> **
>
>
> Larry, my 565 can do exactly what you describe with audio and icons
> correct.
>
> Barry N1EU
>
> On Mon, Feb 6, 2012 at 10:01 PM, Larry Menzel <retire@...> wrote:
>
> > **
> >
> >
> > Hi, guys, John,
> >
> > I am accustomed to being able to listen on my headphones with both rx in
> my
> > ears and the SUB in my right ear only.
> >
> > To do this in previous software, I selected AUDIO/ Left as MAIN and Right
> > as SUB. There used to be a small headphone indicator on the screen with
> > both ears on the main rx, and just the right on the SUB.
> >
> > I've tried every iteration, but can't get the icons right nor can I get
> > audio for both ears for the main rx. No selection yield audio in both
> ears
> > with the sub-receiver volume turned all the way down as in the past.
> >
> > Anyone else finding this?
> >
> > Larry, W0PR
> >
> > PS...same on both the 565 and 566.

> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
> [Non-text portions of this message have been removed]
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>
>

[Non-text portions of this message have been removed]

7721. Re: [orion565] Possible bug??

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-06 23:19:23 UTC
From: Larry Menzel
Topic: 7718 Message: 7721

Furthermore, if I select SUB/BOTH I get no audio in my left ear, only SUB in my right.

Here's a chart of what I hear:

Left Main Right Sub: Audio: If I mute the Sub, I get main audio in my left ear only, nothing in the right. Icons: Main left ear Sub right ear
Left Both Right Sub: Audio: Same as above Icons: Main left only, Sub both
Left Sub Right Sub: Audio: Sub in both ears Icons: Main, none Sub: both
Left Main Right Main: Audio: Main audio in both ears, Sub none Icons: Main both, Sub none
Left Main Right Both: Audio: Main only on left Sub only Icons: Main both Sub left
Left Main Right Sub: Audio Main only on left Sub: sub only Icons: Main left Sub right

Under no circumstance to I get main audio in both ears. I will reload a previous level in my 565 and see what happens.

This is definitely not right.

Larry

On Mon, Feb 6, 2012 at 4:45 PM, Larry Menzel <retire@...> wrote:

> Well, I cannot, Barry. When I select MAIN and SUB all I get is Main audio
> on the left and sub on the right.
>
> I can't get the double little earphone icon in the usual MAIN position,
> just a "left" earphone icon.
>
> Can't get audio in both ears with the SUB RX turned all the way down or
> muted.
>
> Larry
>
>
>
> On Mon, Feb 6, 2012 at 4:34 PM, Barry N1EU <barry.n1eu@...> wrote:
>
>> **
>>
>>
>> Larry, my 565 can do exactly what you describe with audio and icons
>> correct.
>>

>> Barry N1EU
>>
>> On Mon, Feb 6, 2012 at 10:01 PM, Larry Menzel <retire@...> wrote:
>>
>> > **
>> >
>> >
>> > Hi, guys, John,
>> >
>> > I am accustomed to being able to listen on my headphones with both rx
>> in my
>> > ears and the SUB in my right ear only.
>> >
>> > To do this in previous software, I selected AUDIO/ Left as MAIN and
>> Right
>> > as SUB. There used to be a small headphone indicator on the screen with
>> > both ears on the main rx, and just the right on the SUB.
>> >
>> > I've tried every iteration, but can't get the icons right nor can I get
>> > audio for both ears for the main rx. No selection yield audio in both
>> ears
>> > with the sub-receiver volume turned all the way down as in the past.
>> >
>> > Anyone else finding this?
>> >
>> > Larry, W0PR
>> >
>> > PS...same on both the 565 and 566.
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7722. Re: [orion565] Possible bug??

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-06 23:44:52 UTC
From: Barry N1EU
Topic: 7718 Message: 7722

If you go into Audio Menu, does Left say "Main" and Right say "Both"?

On Mon, Feb 6, 2012 at 10:45 PM, Larry Menzel <retire@...> wrote:

> Well, I cannot, Barry. When I select MAIN and SUB all I get is Main audio
> on the left and sub on the right.
>
> I can't get the double little earphone icon in the usual MAIN position,
> just a "left" earphone icon.
>
> Can't get audio in both ears with the SUB RX turned all the way down or
> muted.
>
> Larry
>
>
> On Mon, Feb 6, 2012 at 4:34 PM, Barry N1EU <barry.n1eu@...> wrote:
>
> > **
> > >
> > >
> > Larry, my 565 can do exactly what you describe with audio and icons
> > correct.
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> > >
> > On Mon, Feb 6, 2012 at 10:01 PM, Larry Menzel <retire@...> wrote:
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> > > Hi, guys, John,
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> > > I am accustomed to being able to listen on my headphones with both rx
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> > my
> > > ears and the SUB in my right ear only.
> > > >
> > > To do this in previous software, I selected AUDIO/ Left as MAIN and
> Right
> > > as SUB. There used to be a small headphone indicator on the screen with
> > > both ears on the main rx, and just the right on the SUB.
> > > >
> > > I've tried every iteration, but can't get the icons right nor can I get
> > > audio for both ears for the main rx. No selection yield audio in both

> > ears
> > > with the sub-receiver volume turned all the way down as in the past.
> > >
> > > Anyone else finding this?
> > >
> > > Larry, W0PR
> > >
> > > PS...same on both the 565 and 566.
> > >
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> Yahoo! Groups Links
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7723. Re: [orion565] Possible bug??

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-06 23:57:01 UTC
From: Larry Menzel
Topic: 7718 Message: 7723

Yes. I guess that's one iteration I didn't try.

Operator error as usual.

Thanks. Barry

On Mon, Feb 6, 2012 at 5:44 PM, Barry N1EU <barry.n1eu@gmail.com> wrote:

> **
>
>
> If you go into Audio Menu, does Left say "Main" and Right say "Both"?
>
>
> On Mon, Feb 6, 2012 at 10:45 PM, Larry Menzel <retire@...> wrote:
>
> > Well, I cannot, Barry. When I select MAIN and SUB all I get is Main audio
> > on the left and sub on the right.
> >
> > I can't get the double little earphone icon in the usual MAIN position,
> > just a "left" earphone icon.
> >
> > Can't get audio in both ears with the SUB RX turned all the way down or
> > muted.
> >
> > Larry
> >
> >
> > On Mon, Feb 6, 2012 at 4:34 PM, Barry N1EU <barry.n1eu@...> wrote:
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> > > **
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> > >
> > >
> > > Larry, my 565 can do exactly what you describe with audio and icons
> > > correct.
> > >
> > > Barry N1EU
> > >
> > > On Mon, Feb 6, 2012 at 10:01 PM, Larry Menzel <retire@...>
> wrote:
> > >
> > > > **
> > > >
> > > >
> > > > Hi, guys, John,

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> > > > ears and the SUB in my right ear only.
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> > > > To do this in previous software, I selected AUDIO/ Left as MAIN and
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> > > > as SUB. There used to be a small headphone indicator on the screen
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> > > > both ears on the main rx, and just the right on the SUB.
> > > >
> > > > I've tried every iteration, but can't get the icons right nor can I
> get
> > > > audio for both ears for the main rx. No selection yield audio in both
> > > ears
> > > > with the sub-receiver volume turned all the way down as in the past.
> > > >
> > > > Anyone else finding this?
> > > >
> > > > Larry, W0PR
> > > >
> > > > PS...same on both the 565 and 566.
> > > >
> > > > [Non-text portions of this message have been removed]
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7724. Re: [orion565] Possible bug??

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-07 00:04:12 UTC
From: Martin
Topic: 7718 Message: 7724

It is a cosmetic bug issue with no other side efects.

If RIT on, the SAF label is not fully rendered. Switching the RIT off
and selecting the menus (-< the display changes), then returning to the
normal display, the SAF is fully rendered.

73
Martin, OK1RR

7725. RE: [orion565] Re: Question on VOX button effect on V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-07 01:12:46 UTC
From: art davis
Topic: 7648 Message: 7725

FYI, my Kenwood TS-940 (and many others) are required to be in VOX mode in order to key the transmitter in CW. Otherwise all you get is the sidetone with no RF, which is a feature that I wish my Orion had.
Art N4UC
To: orion565@yahoogroups.com
From: floyd@...
Date: Fri, 3 Feb 2012 16:41:46 +0000
Subject: [orion565] Re: Question on VOX button effect on V3

There is no reason for VOX on for CW on the Orion. But, why should I have to turn it off for CW if I was just operating SSB? None of the other dozens of transceivers I've owned have required that.

I operate very little SSB, so didn't know if it operated the same way on 2.044. Since you say it does, then I guess that's just the way it is and not related to V3. Thanks for the info.

73, Floyd

--- In orion565@yahoogroups.com, "Tony Lelieveld" <va3dwi@...> wrote:

>

> I have not upgraded yet but my O-II in 2.044A does the same thing (muting

> the RX audio). Why would anyone select VOX in CW mode? If there is a

> reason for it, I'd like to hear about it. Just being curious.

>

> 73, Tony VE3DWI

>

[Non-text portions of this message have been removed]

7726. Re: [orion565] Re: Question on VOX button effect on V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-07 01:53:53 UTC
From: Larry Menzel
Topic: 7648 Message: 7726

Fair question. I guess the best case would be that the vox function should be disabled in cw mode.

Not a programmer, but I guess it wouldn't be that difficult to do. John watches the reflector for bugs these days, so maybe he'll see this one.

I recall that it worked that way in 2.062. I just turned off the vox and never gave it a thought.

Larry, W0PR

On Fri, Feb 3, 2012 at 10:38 AM, floydsense <floyd@...> wrote:

> **
>
>
> Let me ask that another way - why should I have to turn off the VOX when I
> want to operate CW?
>
> K8AC
>
>
> --- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
> >
> > On mine, it's not only muting the receivers but keying the rig, as well.
> > Hmmm
> >
> > OTOH, why would you turn on VOX in CW mode anyway?
> >
> > Larry, W0PR
> >
> >
> > On Fri, Feb 3, 2012 at 7:33 AM, floydsense <floyd@...> wrote:
> >
> > > **
>
> > >
> > >
> > > With V3 on my Orion II, turning on the VOX in CW mode mutes both the
> main
> > > and subreceivers (VOX setting have no effect on this). The Orion is
> still
> > > in receive mode with S meter working. Never noticed this on 2.044 -
> does it
> > > work that way there?
> > >

> > > 73, Floyd - K8AC
> > >
> > >
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> >
> >
> > [Non-text portions of this message have been removed]
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7727. No sub-receiver after 3.025 upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-07 02:17:46 UTC
From: Larry Menzel
Topic: 7727 Message: 7727

OK, boys, here's one for you. Orion 565

I've tried reflashing my radio repeatedly and it doesn't change anything.

After my 3.025 upgrade, my VFo B, (second receiver) is not working. Just white noise on all bands, all modes.

I had reason to reinstall a previous version, 2.062 I believe, and came back to 3.025 this evening. Worked fine after my initial upgrade but something is not working now.

VFO A works perfectly, as usual. VFO B transmits (can't tell the quality of it) but all I get is noise when I turn up the volume.

Anybody else experiencing this? Could I have damaged something in the process of getting the flash ROM to update. I had a couple of false starts. The last one, 3.025 began with erasing the ROM and then installed just fine.

Stumped.

Larry, W0PR

[Non-text portions of this message have been removed]

7728. Re: No sub-receiver after 3.025 upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-07 02:27:42 UTC
From: nm7x
Topic: 7727 Message: 7728

Hi Larry,

I've been switching between a number of firmware versions a bit here, and I had that problem once. In the "Audio" menu, "Left", "Right" and "Spkr" had all changed to "Main". Once I switched them to "Both", everything returned to normal.

Maybe that's what happened to you. Good Luck!

73, Mike, NM7X

--- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
>
> OK, boys, here's one for you. Orion 565
>
> I've tried reflashing my radio repeatedly and it doesn't change anything.
>
> After my 3.025 upgrade, my VFo B, (second receiver) is not working. Just
> white noise on all bands, all modes.
>
> I had reason to reinstall a previous version, 2.062 I believe, and came
> back to 3.025 this evening. Worked fine after my initial upgrade but
> something is not working now.
>
> VFO A works perfectly, as usual. VFO B transmits (can't tell the quality
> of it) but all I get is noise when I turn up the volume.
>
> Anybody else experiencing this? Could I have damaged something in the
> process of getting the flash ROM to update. I had a couple of false
> starts. The last one, 3.025 began with erasing the ROM and then installed
> just fine.
>
> Stumped.
>
> Larry, W0PR
>
>
> [Non-text portions of this message have been removed]
>

7729. Re: RX366 panadpter interface

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-07 02:48:15 UTC
From: w1nt
Topic: 7692 Message: 7729

Which TMP jack on the RX366 board is the IF out for the panadapter?

7730. RX366 Diversity alignment

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-07 03:04:54 UTC
From: w1nt
Topic: 7730 Message: 7730

I have managed to line up the sub receiver with the main by audibly removing the pulsating beat tone using CW mode and a steady carrier. I can never seem to make it fully zero, however, I find the beat tone audibly cycle from silence to peak tone back to silence in ~45 seconds duration. Does this sound like I have properly zeroed my receivers or am I way off?

7731. Re: [orion565] Re: Question on VOX button effect on V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-07 04:34:34 UTC
From: va3dwi@gmail.com
Topic: 7648 Message: 7731

When I am in SSB mode with VOX enabled and change the mode to CW the VOX turns off. When I go back to SSB the VOX comes back on. While in CW mode and then enable VOX it mutes the RX audio.

Tony VE3DWI
Sent wirelessly from my BlackBerry

-----Original Message-----
From: Larry Menzel <retire@means.net>
Sender: orion565@yahoogroups.com
Date: Mon, 6 Feb 2012 19:53:53
To: <orion565@yahoogroups.com>
Reply-To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Question on VOX button effect on V3

Fair question. I guess the best case would be that the vox function should
be disabled in cw mode.

Not a programmer, but I guess it wouldn't be that difficult to do. John
watches the reflector for bugs these days, so maybe he'll see this one.

I recall that it worked that way in 2.062. I just turned off the vox and
never gave it a thought.

Larry, W0PR

On Fri, Feb 3, 2012 at 10:38 AM, floydsense <floyd@k8ac.net> wrote:

> **
>
>
> Let me ask that another way - why should I have to turn off the VOX when I
> want to operate CW?
>
> K8AC
>
>
> --- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
> >
> > On mine, it's not only muting the receivers but keying the rig, as well.
> > Hmmm
> >
> > OTOH, why would you turn on VOX in CW mode anyway?
> >
> > Larry, W0PR
> >
> >

> > On Fri, Feb 3, 2012 at 7:33 AM, floydsense <floyd@...> wrote:
> >
> > > **
>
> > >
> > >
> > > With V3 on my Orion II, turning on the VOX in CW mode mutes both the
> main
> > > and subreceivers (VOX setting have no effect on this). The Orion is
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> > > in receive mode with S meter working. Never noticed this on 2.044 -
> does it
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> > > 73, Floyd - K8AC
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> > [Non-text portions of this message have been removed]
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Yahoo! Groups Links

7732. Re: [orion565] RX366 Diversity alignment

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-07 10:12:47 UTC
From: Barry N1EU
Topic: 7730 Message: 7732

Yes, you have properly zeroed your receivers

73, Barry N1EU

On Tue, Feb 7, 2012 at 3:04 AM, w1nt <bradld@...> wrote:

> **
>
>
> I have managed to line up the sub receiver with the main by audibly
> removing the pulsating beat tone using CW mode and a steady carrier. I can
> never seem to make it fully zero, however, I find the beat tone audibly
> cycle from silence to peak tone back to silence in ~45 seconds duration.
> Does this sound like I have properly zeroed my receivers or am I way off?
>
>
>

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7733. Re: [orion565] Re: No sub-receiver after 3.025 upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-07 14:18:25 UTC
From: Larry Menzel
Topic: 7727 Message: 7733

HI, Mike,

No, that doesn't do it. The S/N is so low and the noise so high that it's unusable. I'll try reloading the software today, after I call Ten Tec and see if they have any suggestions.

Thanks.

Larry, W0PR

On Mon, Feb 6, 2012 at 8:27 PM, nm7x <nm7x@...> wrote:

> **
>
>
> Hi Larry,
>
> I've been switching between a number of firmware versions a bit here, and
> I had that problem once. In the "Audio" menu, "Left", "Right" and "Spkr"
> had all changed to "Main". Once I switched them to "Both", everything
> returned to normal.
>
> Maybe that's what happened to you. Good Luck!
>
> 73, Mike, NM7X
>
> --- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
> >
> > OK, boys, here's one for you. Orion 565
> >
> > I've tried reflashing my radio repeatedly and it doesn't change anything.
> >
> > After my 3.025 upgrade, my VFo B, (second receiver) is not working. Just
> > white noise on all bands, all modes.
> >
> > I had reason to reinstall a previous version, 2.062 I believe, and came
> > back to 3.025 this evening. Worked fine after my initial upgrade but
> > something is not working now.
> >
> > VFO A works perfectly, as usual. VFO B transmits (can't tell the quality
> > of it) but all I get is noise when I turn up the volume.
> >
> > Anybody else experiencing this? Could I have damaged something in the
> > process of getting the flash ROM to update. I had a couple of false
> > starts. The last one, 3.025 began with erasing the ROM and then installed
> > just fine.

> >
> > Stumped.
> >
> > Larry, W0PR
> >
> >
> > [Non-text portions of this message have been removed]
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7734. Re: [orion565] Re: No sub-receiver after 3.025 upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-07 14:28:26 UTC
From: Barry N1EU
Topic: 7727 Message: 7734

I would re-flash (followed with RAM CLEAR) and see if your subreceiver
doesn't come back, before calling Ten-Tec.

Barry N1EU

On Tue, Feb 7, 2012 at 2:18 PM, Larry Menzel <retire@...> wrote:

> HI, Mike,
>
> No, that doesn't do it. The S/N is so low and the noise so high that it's
> unusable. I'll try reloading the software today, after I call Ten Tec and
> see if they have any suggestions.
>
> Thanks.
>
> Larry, W0PR
>
> On Mon, Feb 6, 2012 at 8:27 PM, nm7x <nm7x@...> wrote:
>
> > **
> > >
> > >
> > > Hi Larry,
> > >
> > > I've been switching between a number of firmware versions a bit here, and
> > > I had that problem once. In the "Audio" menu, "Left", "Right" and "Spkr"
> > > had all changed to "Main". Once I switched them to "Both", everything
> > > returned to normal.
> > >
> > > Maybe that's what happened to you. Good Luck!
> > >
> > > 73, Mike, NM7X
> > >
> > > --- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
> > > >
> > > > OK, boys, here's one for you. Orion 565
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> > > > I've tried reflashing my radio repeatedly and it doesn't change
> > anything.
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> > > > After my 3.025 upgrade, my VFo B, (second receiver) is not working.
> > Just
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> > > > I had reason to reinstall a previous version, 2.062 I believe, and came
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> > > Larry, W0PR
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7735. Re: [orion565] Re: No sub-receiver after 3.025 upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-07 14:41:17 UTC
From: Barry N1EU
Topic: 7727 Message: 7735

And when initially testing, connect the SAME antenna to main and subrx and set audio for main in L and sub in R and check for same response in both ears.

Barry N1EU

On Tue, Feb 7, 2012 at 2:28 PM, Barry N1EU <barry.n1eu@...> wrote:

> I would re-flash (followed with RAM CLEAR) and see if your subreceiver
> doesn't come back, before calling Ten-Tec.
>
> Barry N1EU
>
>
> On Tue, Feb 7, 2012 at 2:18 PM, Larry Menzel <retire@...> wrote:
>
>> HI, Mike,
>>
>> No, that doesn't do it. The S/N is so low and the noise so high that it's
>> unusable. I'll try reloading the software today, after I call Ten Tec and
>> see if they have any suggestions.
>>
>> Thanks.
>>
>> Larry, W0PR
>>
>> On Mon, Feb 6, 2012 at 8:27 PM, nm7x <nm7x@...> wrote:
>>
>> > **
>> >
>> >
>> > Hi Larry,
>> >
>> > I've been switching between a number of firmware versions a bit here,
>> and
>> > I had that problem once. In the "Audio" menu, "Left", "Right" and "Spkr"
>> > had all changed to "Main". Once I switched them to "Both", everything
>> > returned to normal.
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>> > Maybe that's what happened to you. Good Luck!
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>> > 73, Mike, NM7X
>> >
>> > --- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
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>> > > OK, boys, here's one for you. Orion 565

>> > >
>> > > I've tried reflashing my radio repeatedly and it doesn't change
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>> > >
>> > > After my 3.025 upgrade, my VFo B, (second receiver) is not working.
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>> > > I had reason to reinstall a previous version, 2.062 I believe, and
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>> > > back to 3.025 this evening. Worked fine after my initial upgrade but
>> > > something is not working now.
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>> > > VFO A works perfectly, as usual. VFO B transmits (can't tell the
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>> > > Anybody else experiencing this? Could I have damaged something in the
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>> > > just fine.
>> > >
>> > > Stumped.
>> > >
>> > > Larry, W0PR
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7736. Re: [orion565] Re: No sub-receiver after 3.025 upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-07 15:13:01 UTC
From: Larry Menzel
Topic: 7727 Message: 7736

Good morning, Barry,

I'm going to revert again to 2.062 and see if the rx returns. I just spoke with Paul Clinton and he doesn't think it's the firmware. However, I really don't believe in coincidences so I'm not convinced that they're not in some way connected.

Additionally, because I upgraded the rx in my OII, I have a receiver board here to swap in to see if it's a hardware problem with the rx or whether the problem is deeper in the radio.

So....stand by...more to come.

Larry, W0PR

On Tue, Feb 7, 2012 at 8:41 AM, Barry N1EU <barry.n1eu@...> wrote:

> **
>
>
> And when initially testing, connect the SAME antenna to main and subrx and
> set audio for main in L and sub in R and check for same response in both
> ears.
>
> Barry N1EU
>
>
> On Tue, Feb 7, 2012 at 2:28 PM, Barry N1EU <barry.n1eu@gmail.com> wrote:
>
> > I would re-flash (followed with RAM CLEAR) and see if your subreceiver
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> > Barry N1EU
> >
> >
> > On Tue, Feb 7, 2012 at 2:18 PM, Larry Menzel <retire@means.net> wrote:
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> >> No, that doesn't do it. The S/N is so low and the noise so high that
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> >> unusable. I'll try reloading the software today, after I call Ten Tec
> and
> >> see if they have any suggestions.
> >>
> >> Thanks.

> >>
> >> Larry, W0PR
> >>
> >> On Mon, Feb 6, 2012 at 8:27 PM, nm7x <nm7x@...> wrote:
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> >> > **
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> >> > Hi Larry,
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> >> > I've been switching between a number of firmware versions a bit here,
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> "Spkr"
> >> > had all changed to "Main". Once I switched them to "Both", everything
> >> > returned to normal.
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> >> > Maybe that's what happened to you. Good Luck!
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> >> > 73, Mike, NM7X
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> >> > --- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
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7737. Re: [orion565] Re: No sub-receiver after 3.025 upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-07 15:20:09 UTC
From: Barry N1EU
Topic: 7727 Message: 7737

Knock yourself out Larry but I'd just re-flash with 3.025. It's only a
5-minute process start to finish.

Barry N1EU

On Tue, Feb 7, 2012 at 3:13 PM, Larry Menzel <retire@...> wrote:

> Good morning, Barry,
>
> I'm going to revert again to 2.062 and see if the rx returns. I just spoke
> with Paul Clinton and he doesn't think it's the firmware. However, I
> really don't believe in coincidences so I'm not convinced that they're not
> in some way connected.
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> Additionally, because I upgraded the rx in my OII, I have a receiver board
> here to swap in to see if it's a hardware problem with the rx or whether
> the problem is deeper in the radio.
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> So....stand by...more to come.
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> Larry, W0PR
>
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> > **
> > >
> > >
> > > And when initially testing, connect the SAME antenna to main and subrx
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> > > set audio for main in L and sub in R and check for same response in both
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> > > Barry N1EU
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> > > On Tue, Feb 7, 2012 at 2:28 PM, Barry N1EU <barry.n1eu@...> wrote:
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> > > > I would re-flash (followed with RAM CLEAR) and see if your subreceiver
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> > > > Barry N1EU
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> > > On Tue, Feb 7, 2012 at 2:18 PM, Larry Menzel <retire@...> wrote:
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7738. Re: RX366 panadpter interface

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-07 16:30:55 UTC
From: objectiveuser
Topic: 7692 Message: 7738

On Sat, Feb 4, 2012 at 9:26 PM, John Henry <jhenry@...> wrote:

> The 9MHz IF Output on the RX366 is the TMP connector on the TXRX board
> (The board with the filters), right next to the F2 filter.
> If you are going to use an LP-PAN, you should use the preamp offered by
> telepost.
> We are modifying the user manual to point out it's location in a picture.
> Should be available for download in a few days.
>
> Good luck,
> John

--- In orion565@yahoogroups.com, "w1nt" <bradld@...> wrote:
>
>
> Which TMP jack on the RX366 board is the IF out for the
> panadapter?
>

7739. Backup and Restore Program for Orion 565 Info Desired

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-07 18:10:40 UTC
From: hokieham
Topic: 7739 Message: 7739

Hi Guys, How can I obtain this program? Is it part of the N4PY program? Thanks, David - ab8d.

7740. Re: [orion565] Re: No sub-receiver after 3.025 upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-07 19:45:46 UTC
From: Larry Menzel
Topic: 7727 Message: 7740

Well...OK...I did reload 2.062 this morning,and lo and behold...my receiver comes to life.

So, we have established that there is nothing wrong with the Orion. So now I'll try reloading 3.025 again, or maybe not....seeing as how my Orion is my second radio and works fine with 2.062. I think I'll wait until John and all the beta testers get done fixing the little glitches and we et 3.025A out there, and then upgrade again and see what happens.

My Orion II, with the new RX-366, is nothing but spectacular now and is my main rig for operating. My Orion is my S&P rig for contesting and rag chewing while I prowl the bands for DX with the OII.

Sounds like a plan, especially as now I have a perfectly functional Orion sitting here.

Larry, W0PR

On Tue, Feb 7, 2012 at 9:20 AM, Barry N1EU <barry.n1eu@...> wrote:

> **
>
>
> Knock yourself out Larry but I'd just re-flash with 3.025. It's only a
> 5-minute process start to finish.
>
> Barry N1EU
>
>
> On Tue, Feb 7, 2012 at 3:13 PM, Larry Menzel <retire@...> wrote:
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> > Good morning, Barry,
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> > I'm going to revert again to 2.062 and see if the rx returns. I just
> spoke
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> > really don't believe in coincidences so I'm not convinced that they're
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> > in some way connected.
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> > Additionally, because I upgraded the rx in my OII, I have a receiver
> board
> > here to swap in to see if it's a hardware problem with the rx or whether
> > the problem is deeper in the radio.
> >
> > So....stand by...more to come.

> >
> > Larry, W0PR
> >
> >
> >
> >
> > On Tue, Feb 7, 2012 at 8:41 AM, Barry N1EU <barry.n1eu@...> wrote:
> >
> > > **
>
> > >
> > >
> > > And when initially testing, connect the SAME antenna to main and subrx
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> > > set audio for main in L and sub in R and check for same response in
> both
> > > ears.
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> > > Barry N1EU
> > >
> > >
> > > On Tue, Feb 7, 2012 at 2:28 PM, Barry N1EU <barry.n1eu@...>
> wrote:
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> > > > I would re-flash (followed with RAM CLEAR) and see if your
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> > > > On Tue, Feb 7, 2012 at 2:18 PM, Larry Menzel <retire@means.net>
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> > > >> HI, Mike,
> > > >>
> > > >> No, that doesn't do it. The S/N is so low and the noise so high that
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> > > >> unusable. I'll try reloading the software today, after I call Ten
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> > > and
> > > >> see if they have any suggestions.
> > > >>
> > > >> Thanks.
> > > >>
> > > >> Larry, W0PR
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> > > >> On Mon, Feb 6, 2012 at 8:27 PM, nm7x <nm7x@...> wrote:
> > > >>
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> > > >> >
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> > > >> > > VFO A works perfectly, as usual. VFO B transmits (can't tell the
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7741. Re: No sub-receiver after 3.025 upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-07 20:24:45 UTC
From: airman11141952
Topic: 7727 Message: 7741

Greetings! I've been around this group for a few years, but pretty much just in lurking mode. I did upgrade my 565 to 3.025, but still have the original 2nd receiver. I have not had any of the issues that a few others have had after the upgrade. I believe it is computer specific issues that some folk have with it. I could not tell you what they are -- just a gut feeling. I just happen to use an Intel I7-950 computer with Windows 7 Pro, 64 bit, with a PCI card with four RS232 ports. Not one issue. Used this same computer when I upgraded to 2.062. Definitely like the changes, so far, to my Orion. Still tossing around in my head on pulling the trigger on the new second receiver. Fascinated with the performance of the current hardware setup. Maybe later.

Thank you Ten-Tec.

Thanks for reading my jibberish (sp),
Gary W7TRP

--- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
>
> Well...OK...I did reload 2.062 this morning,and lo and behold...my receiver
> comes to life.
>
> So, we have established that there is nothing wrong with the Orion. So now
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> my second radio and works fine with 2.062. I think I'll wait until John
> and all the beta testers get done fixing the little glitches and we et
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> My Orion II, with the new RX-366, is nothing but spectacular now and is my
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> sitting here.
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> Larry, W0PR
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7742. Re: [orion565] Backup and Restore Program for Orion 565 Info Desired

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-07 21:24:06 UTC
From: Joe KX4JR
Topic: 7739 Message: 7742

No. Freebee from PA1AP available from the Yahoo Ten-Tec files.
73's Joe, KX4JR

On 2/7/2012 1:10 PM, hokieham wrote:
>
> Hi Guys, How can I obtain this program? Is it part of the N4PY
> program? Thanks, David - ab8d.
>
>

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7743. Re: Backup and Restore Program for Orion 565 Info Desired

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-08 09:35:48 UTC
From: pa1ap
Topic: 7739 Message: 7743

My appologies for inconvenience but I have removed the previous beta versions to avoid conflicts and issues. I have a new version ready to be shared this weekend (travelling at the moment) which includes help text and some other improvements.

Also created a special windows xp installer for the ones experiencing microsoft installer issues.

Best regards, onno

--- In orion565@yahoogroups.com, Joe KX4JR <kx4jr@...> wrote:
>
> No. Freebee from PA1AP available from the Yahoo Ten-Tec files.
> 73's Joe, KX4JR
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> On 2/7/2012 1:10 PM, hokieham wrote:
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7744. Backup and Restore Program

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-08 14:09:10 UTC
From: hokieham
Topic: 7744 Message: 7744

Thanks Onno. I await your latest version! 73 de ab8d - David.

7745. Orion 565 no power output on startup

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-08 15:55:59 UTC
From: Russ
Topic: 7745 Message: 7745

When I initially power up my 565 after being off for a few hours there is no RF power output in any mode. The output meter shows normal values and the red led is on, and there is the normal indicated power increase when pressing PWR after having pressed TUNE but no actual power output.

Through experimentation I have discovered that normal RF output will return if I either turn the 565 off and on again, or if I change bands. It doesn't matter which band is the initial band nor which I switch to.

This problem began a few weeks ago under v2. I've since installed v3 and done all the ram and master resets. As a first step I replaced the battery which didn't help. I've reloaded v3 to no effect. I've switched antenna ports from one to two with no effect.

I cannot detect any other unusual operation to further localize the problem. I have checked the DC power connector and it is good. The antenna is good.

Suggestions anybody? Thanks for your help.

73, Russ

7746. Re: Orion 565 no power output on startup

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-08 16:27:16 UTC
From: Thomas Todd
Topic: 7745 Message: 7746

I have experianced the same from static discharge when turnning on the Radio but know the reason from the snap as I discharge the build up, I'm saying from me to Radio, could be Radio to me, touching the Radio before or upon turn on will eliminate my problem, only happens during winter when dry air is the norm.

[Non-text portions of this message have been removed]

7747. RE: [orion565] Orion 565 no power output on startup

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-08 16:34:34 UTC
From: art davis
Topic: 7745 Message: 7747

During this time, is the receiver working OK (do you hear signals)?

To: orion565@yahoogroups.com
From: rusham@...
Date: Wed, 8 Feb 2012 15:55:59 +0000
Subject: [orion565] Orion 565 no power output on startup

When I initially power up my 565 after being off for a few hours there is no RF power output in any mode. The output meter shows normal values and the red led is on, and there is the normal indicated power increase when pressing PWR after having pressed TUNE but no actual power output.

Through experimentation I have discovered that normal RF output will return if I either turn the 565 off and on again, or if I change bands. It doesn't matter which band is the initial band nor which I switch to.

This problem began a few weeks ago under v2. I've since installed v3 and done all the ram and master resets. As a first step I replaced the battery which didn't help. I've reloaded v3 to no effect. I've switched antenna ports from one to two with no effect.

I cannot detect any other unusual operation to further localize the problem. I have checked the DC power connector and it is good. The antenna is good.

Suggestions anybody? Thanks for your help.

73, Russ

[Non-text portions of this message have been removed]

7748. Re: Orion 565 no power output on startup

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-08 20:11:40 UTC
From: Russ
Topic: 7745 Message: 7748

Yes, receives fine, either antenna input.

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:
>
>
> During this time, is the receiver working OK (do you hear signals)?
>
> To: orion565@yahoogroups.com
> From: rusham@...
> Date: Wed, 8 Feb 2012 15:55:59 +0000
> Subject: [orion565] Orion 565 no power output on startup
>
>
>

>
> Through experimentation I have discovered that normal RF output will return if I either turn the 565 off and on again, or if I change bands. It doesn't matter which band is the initial band nor which I switch to.
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>
> This problem began a few weeks ago under v2. I've since installed v3 and done all the ram and master resets. As a first step I replaced the battery which didn't help. I've reloaded v3 to no effect. I've switched antenna ports from one to two with no effect.
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> I cannot detect any other unusual operation to further localize the problem. I have checked the DC power connector and it is good. The antenna is good.
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> Suggestions anybody? Thanks for your help.
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> 73, Russ
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> [Non-text portions of this message have been removed]
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7749. Re: [orion565] Re: Orion 565 no power output on startup

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-08 20:32:29 UTC
From: Per Bekker-Madsen
Topic: 7745 Message: 7749

Have you tried to change mode to RTTY and press tune?

2012/2/8 Russ <rusham@...>

> **
>
>
> Yes, receives fine, either antenna input.
>
> --- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:
> >
> >
> > During this time, is the receiver working OK (do you hear signals)?
> >
> > To: orion565@yahoogroups.com
> > From: rusham@...
> > Date: Wed, 8 Feb 2012 15:55:59 +0000
> > Subject: [orion565] Orion 565 no power output on startup
> >
> >
> >

> >
> > When I initially power up my 565 after being off for a few hours there
> is no RF power output in any mode. The output meter shows normal values and
> the red led is on, and there is the normal indicated power increase when
> pressing PWR after having pressed TUNE but no actual power output.
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> > Through experimentation I have discovered that normal RF output will
> return if I either turn the 565 off and on again, or if I change bands. It
> doesn't matter which band is the initial band nor which I switch to.
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> >
> > This problem began a few weeks ago under v2. I've since installed v3 and
> done all the ram and master resets. As a first step I replaced the battery
> which didn't help. I've reloaded v3 to no effect. I've switched antenna
> ports from one to two with no effect.
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> >
> > I cannot detect any other unusual operation to further localize the
> problem. I have checked the DC power connector and it is good. The antenna
> is good.
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> > Suggestions anybody? Thanks for your help.
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> > 73, Russ
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> > [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7750. Re: Orion 565 no power output on startup

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-09 01:26:41 UTC
From: Russ
Topic: 7745 Message: 7750

Yes, changing to any mode had no effect on power output including FSK mode. What I discovered tonight while doing more investigation was that pressing ATTN would return power output to normal and at the same time allow me to hear signals instead of just band noise. I had thought the band was dead because other times with no output the receiver still functioned normally, so tonight was a change in that respect.

--- In orion565@yahoogroups.com, Per Bekker-Madsen <oz1eqc@...> wrote:
>
> Have you tried to change mode to RTTY and press tune?
>
>
>
> 2012/2/8 Russ <rusham@...>
>
> > **
> >
> >
> > Yes, receives fine, either antenna input.
> >
> > --- In orion565@yahoogroups.com, art davis <n4uc@> wrote:
> > >
> > >
> > > During this time, is the receiver working OK (do you hear signals)?
> > >
> > > To: orion565@yahoogroups.com
> > > From: rusham@
> > > Date: Wed, 8 Feb 2012 15:55:59 +0000
> > > Subject: [orion565] Orion 565 no power output on startup
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> > > When I initially power up my 565 after being off for a few hours there
> > is no RF power output in any mode. The output meter shows normal values and
> > the red led is on, and there is the normal indicated power increase when
> > pressing PWR after having pressed TUNE but no actual power output.
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> > >
> > > Through experimentation I have discovered that normal RF output will
> > return if I either turn the 565 off and on again, or if I change bands. It
> > doesn't matter which band is the initial band nor which I switch to.
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> > >
> > > This problem began a few weeks ago under v2. I've since installed v3 and
> > done all the ram and master resets. As a first step I replaced the battery
> > which didn't help. I've reloaded v3 to no effect. I've switched antenna
> > ports from one to two with no effect.
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> > > I cannot detect any other unusual operation to further localize the
> > problem. I have checked the DC power connector and it is good. The antenna
> > is good.
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> > > Suggestions anybody? Thanks for your help.
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> > > 73, Russ
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> > > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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7752. RX366 Noticable filter difference - Main vs. Sub??

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-09 12:37:38 UTC
From: w1nt
Topic: 7752 Message: 7752

I am audibly noticing a large sound level difference between 300 Hz roofing filters on the main vs sub RX when running diversity. With these settings common (same settings) between both receivers (Antenna, AGC, RF GAIN, ATT, PREAMP, BW, PBT, ROOFING FILTER) the sub filter produces noticably quieter audio to the point where it makes weak signals that can be heard on the main almost not or not audible on the sub when listened to in different ears. Is anyone else able to replicate this?

I am just wondering if this is normal for the RX366 or is it due to the inability to center the sub roofing filter with the DSP or is it just variation between filters as produced?

It's so noticeable I am now going to load the 600Hz filter in the sub to see if I get the same result. Any help or guidance is appreciated.

Brad

7753. Re: [orion565] RX366 Noticable filter difference - Main vs. Sub??

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-09 12:46:11 UTC
From: Barry N1EU
Topic: 7752 Message: 7753

I think it's normal to see a bit of gain difference between the receivers.
It should be easy for you to accommodate the difference by just dialing in
a bit more AF or RF Gain in the subrx.

In my Orion I, it's actually the opposite - the RX366 has more gain than
the main rx. All I need to do is run the subrx AF Gain about 10-15% less
than the main rx and all is well.

Barry N1EU

On Thu, Feb 9, 2012 at 12:37 PM, w1nt <bradld@...> wrote:

> **
>
>
> I am audibly noticing a large sound level difference between 300 Hz
> roofing filters on the main vs sub RX when running diversity. With these
> settings common (same settings) between both receivers (Antenna, AGC, RF
> GAIN, ATT, PREAMP, BW, PBT, ROOFING FILTER) the sub filter produces
> noticably quieter audio to the point where it makes weak signals that can
> be heard on the main almost not or not audible on the sub when listened to
> in different ears. Is anyone else able to replicate this?
>
> I am just wondering if this is normal for the RX366 or is it due to the
> inability to center the sub roofing filter with the DSP or is it just
> variation between filters as produced?
>
> It's so noticeable I am now going to load the 600Hz filter in the sub to
> see if I get the same result. Any help or guidance is appreciated.
>
> Brad
>
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>

[Non-text portions of this message have been removed]

7754. Cannot load V3 firmware for 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-10 02:27:07 UTC
From: Charles KY4P EX A22AA S92SS SV0LM S9SS
Topic: 7754 Message: 7754

I just finished intalling the RX-366 subreceiver upgrade and am trying to load the required 565 V3.025 firmware. I am first initiating the flash update mode. When I attempt to load the firmware, after a few seconds I get the message "Communication with the radio has failed." I have all other programs shut down.

Bummer!

Can anyone help?

73,
Charles - KY4P

7755. Re: [orion565] Cannot load V3 firmware for 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-10 02:34:05 UTC
From: TroyW6HV
Topic: 7754 Message: 7755

Charles,
That happened to me as well. So, I changed the com port in the settings to "3" and it worked. Good luck.
Troy, W6HV

-----Original Message-----
From: Charles KY4P EX A22AA S92SS SV0LM S9SS
Sent: Thursday, February 09, 2012 6:27 PM
To: orion565@yahoogroups.com
Subject: [orion565] Cannot load V3 firmware for 565

I just finished intalling the RX-366 subreceiver upgrade and am trying to load the required 565 V3.025 firmware. I am first initiating the flash update mode. When I attempt to load the firmware, after a few seconds I get the message "Communication with the radio has failed." I have all other programs shut down.

Bummer!

Can anyone help?

73,
Charles - KY4P

Yahoo! Groups Links

7756. Re: Cannot load V3 firmware for 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-10 02:42:20 UTC
From: Charles KY4P EX A22AA S92SS SV0LM S9SS
Topic: 7754 Message: 7756

Troy,

Thanks.

My computer has only one serial port. When I select anything other than #1 I get a message that says that port is not available.

--- In orion565@yahoogroups.com, "TroyW6HV" <w6hv@...> wrote:
>
> Charles,
> That happened to me as well. So, I changed the com port in the settings to
> "3" and it worked. Good luck.
> Troy, W6HV
>
> -----Original Message-----
> From: Charles KY4P EX A22AA S92SS SV0LM S9SS
> Sent: Thursday, February 09, 2012 6:27 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Cannot load V3 firmware for 565
>
> I just finished intalling the RX-366 subreceiver upgrade and am trying to
> load the required 565 V3.025 firmware. I am first initiating the flash
> update mode. When I attempt to load the firmware, after a few seconds I get
> the message "Communication with the radio has failed." I have all other
> programs shut down.
>
> Bummer!
>
> Can anyone help?
>
> 73,
> Charles - KY4P
>
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>
> Yahoo! Groups Links
>

7757. SAF Feature (bug or perhaps just left out in the documents)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-10 08:30:46 UTC
From: Sam
Topic: 7757 Message: 7757

To quote the updated document for V3 concerning SAF, it says:

SAF can greatly improve readability of weaker ssb and am signals. The SAF width should be
set to 300hz. Tune in the signal and engage SAF. Adjust the center frequency for best
readability, usually in the range of 300-600hz.

Following these instructions and just playing around with the SAF feature, I can't see any difference with the SAF feature turned on or off. It's as if it's not even there.

I'm using the O2, V3 installed, No R366 (standard 2nd receiver). SAF appears below the "headphone symbol" and is turned on in the RX menu.

==========
NOTE: I was just getting ready to send this, and I happened to "turn off" my AN Feature (which I always keep on to kill the tune-up carrier noise) and immediately the SAF kicked in !! WTF? Is this a bug as I didn't see anywhere where it says the AN (Auto-Notch) has to be disabled for the SAF to work ???
==========

73,
Sam
K3SAM

[Non-text portions of this message have been removed]

7758. ORION II (566) MENU AGC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-10 08:55:14 UTC
From: jacquespaoli@rocketmail.com
Topic: 7758 Message: 7758

Is it possible to have a basic configuration for an ORION 566 RX menu:
MAIN AGC. SUB MCO. NOTCH AND SUB MAIN up. We can then customize the desired result, just a working basis. Thank you.

Est ce qu'il est possible d'avoir une configuration de base pour un ORION 566 menu RX:
MAIN AGC. SUB AGC. Jusqu'à NOTCH MAIN ET SUB. On pourra ensuite personnaliser selon le résultat voulu, simplement une base de travail. Merci.

Jacques paoli

7759. Re: [orion565] ORION II (566) MENU AGC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-10 09:50:39 UTC
From: Jacques Paoli
Topic: 7758 Message: 7759

My mail perso is :
tk1lg@...
thank
jacques

Le 10 f?vr. 2012 ? 09:55, jacquespaoli@... a ?crit :

> Is it possible to have a basic configuration for an ORION 566 RX menu:
> MAIN AGC. SUB MCO. NOTCH AND SUB MAIN up. We can then customize the desired result, just a working basis. Thank you.
>
> Est ce qu'il est possible d'avoir une configuration de base pour un ORION 566 menu RX:
> MAIN AGC. SUB AGC. Jusqu'? NOTCH MAIN ET SUB. On pourra ensuite personnaliser selon le r?sultat voulu, simplement une base de travail. Merci.
>
> Jacques paoli
>
>

[Non-text portions of this message have been removed]

7760. Re: SAF Feature (bug or perhaps just left out in the documents)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-10 12:33:46 UTC
From: floydsense
Topic: 7757 Message: 7760

Sam - I just tried this on my O2, V3, no R366. It works exactly the same here as you described.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "Sam" <Sam@...> wrote:
>
> To quote the updated document for V3 concerning SAF, it says:
>
> SAF can greatly improve readability of weaker ssb and am signals. The
> SAF width should be
> set to 300hz. Tune in the signal and engage SAF. Adjust the center
> frequency for best
> readability, usually in the range of 300-600hz.
>
> Following these instructions and just playing around with the SAF
> feature, I can't see any difference with the SAF feature turned on or
> off. It's as if it's not even there.
>
> I'm using the O2, V3 installed, No R366 (standard 2nd receiver). SAF
> appears below the "headphone symbol" and is turned on in the RX menu.
>
> ==
> NOTE: I was just getting ready to send this, and I happened to "turn
> off" my AN Feature (which I always keep on to kill the tune-up carrier
> noise) and immediately the SAF kicked in !! WTF? Is this a bug as I
> didn't see anywhere where it says the AN (Auto-Notch) has to be disabled
> for the SAF to work ???
> ==
>
> 73,
> Sam
> K3SAM
>
>
>
> [Non-text portions of this message have been removed]
>

7761. Re: SAF Feature (bug or perhaps just left out in the documents)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-10 12:56:22 UTC
From: Skip
Topic: 7757 Message: 7761

I have installed the new firmware, do not have the new subreceiver, and the SAV function works great on weak signals. YOu might try reinstalling the firmware.

--- In orion565@yahoogroups.com, "Sam" <Sam@...> wrote:
>
> To quote the updated document for V3 concerning SAF, it says:
>
> SAF can greatly improve readability of weaker ssb and am signals. The
> SAF width should be
> set to 300hz. Tune in the signal and engage SAF. Adjust the center
> frequency for best
> readability, usually in the range of 300-600hz.
>
> Following these instructions and just playing around with the SAF
> feature, I can't see any difference with the SAF feature turned on or
> off. It's as if it's not even there.
>
> I'm using the O2, V3 installed, No R366 (standard 2nd receiver). SAF
> appears below the "headphone symbol" and is turned on in the RX menu.
>
> ==========
> NOTE: I was just getting ready to send this, and I happened to "turn
> off" my AN Feature (which I always keep on to kill the tune-up carrier
> noise) and immediately the SAF kicked in !! WTF? Is this a bug as I
> didn't see anywhere where it says the AN (Auto-Notch) has to be disabled
> for the SAF to work ???
> ==========
>
> 73,
> Sam
> K3SAM
>
>
>
> [Non-text portions of this message have been removed]
>

7762. Re: SAF Feature (bug or perhaps just left out in the documents)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-10 14:31:11 UTC
From: floydsense
Topic: 7757 Message: 7762

Try using the SAF in SSB mode with the AN turned on. Cycle the AN on and off and see what happens.

--- In orion565@yahoogroups.com, "Skip" <ebhudgens@...> wrote:
>
> I have installed the new firmware, do not have the new subreceiver, and the SAV function works great on weak signals. YOu might try reinstalling the firmware.
>

7763. Re: [orion565] Re: SAF Feature (bug or perhaps just left out in the documents)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-10 14:52:31 UTC
From: Barry N1EU
Topic: 7757 Message: 7763

Auto Notch and SAF are mutually exclusive. What are the odds that you would even want to run them both at the same time?

Guess it depends on personal preference - I could probably count on one hand the number of times I've used a notch filter in the past 5 years. (which is actually greater than the number of times I've used DSP NR in the past 5 years)

Barry N1EU

On Fri, Feb 10, 2012 at 2:31 PM, floydsense <floyd@...> wrote:

> **
>
>
> Try using the SAF in SSB mode with the AN turned on. Cycle the AN on and
> off and see what happens.
>
> --- In orion565@yahoogroups.com, "Skip" <ebhudgens@...> wrote:
> >
> > I have installed the new firmware, do not have the new subreceiver, and
> the SAV function works great on weak signals. YOu might try reinstalling
> the firmware.
> >
>
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>

[Non-text portions of this message have been removed]

7764. Re: [orion565] Re: SAF Feature (bug or perhaps just left out in the documents)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-10 15:09:43 UTC
From: Richard
Topic: 7757 Message: 7764

Barry perhaps you are not subject to interfering carriers, noise,
Broadcast carriers, splatter from over modulated audio, etc. I may
have any of those every day.

C. Richard Pumphrey

On Feb 10, 2012, at 9:52 AM, Barry N1EU <barry.n1eu@...> wrote:

> Auto Notch and SAF are mutually exclusive. What are the odds that you
> would even want to run them both at the same time?
>
> Guess it depends on personal preference - I could probably count on one
> hand the number of times I've used a notch filter in the past 5 years.
> (which is actually greater than the number of times I've used DSP NR in the
> past 5 years)
>
> Barry N1EU
>
> On Fri, Feb 10, 2012 at 2:31 PM, floydsense <floyd@...> wrote:
>
> > **
> > >
> > >
> > > Try using the SAF in SSB mode with the AN turned on. Cycle the AN on and
> > > off and see what happens.
> > >
> > > --- In orion565@yahoogroups.com, "Skip" <ebhudgens@...> wrote:
> > > >
> > > > I have installed the new firmware, do not have the new subreceiver, and
> > > the SAV function works great on weak signals. YOu might try reinstalling
> > > the firmware.
> > > >
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> >
> > [Non-text portions of this message have been removed]
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> >
> > TODAY(Beta) • Powered by Yahoo!
> > When 'Soy Bomb' crashed the Grammys
> > The 1998 incident remains one of the craziest moments to happen on the show's stage.

> Privacy Policy

[Non-text portions of this message have been removed]

7765. Re: [orion565] Re: SAF Feature (bug or perhaps just left out in the documents)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-10 15:12:27 UTC
From: Barry N1EU
Topic: 7757 Message: 7765

true - probably a much bigger problem over in Europe

On Fri, Feb 10, 2012 at 3:09 PM, Richard <wn9ddv@...> wrote:

> **
>
>
> Barry perhaps you are not subject to interfering carriers, noise,
> Broadcast carriers, splatter from over modulated audio, etc. I may
> have any of those every day.
>
> C. Richard Pumphrey
>
>
> On Feb 10, 2012, at 9:52 AM, Barry N1EU <barry.n1eu@...> wrote:
>
> > Auto Notch and SAF are mutually exclusive. What are the odds that you
> > would even want to run them both at the same time?
> >
> > Guess it depends on personal preference - I could probably count on one
> > hand the number of times I've used a notch filter in the past 5 years.
> > (which is actually greater than the number of times I've used DSP NR in
> the
> > past 5 years)
> >
> > Barry N1EU
> >
> > On Fri, Feb 10, 2012 at 2:31 PM, floydsense <floyd@...> wrote:
> >
> > > **
>
> > >
> > >
> > > Try using the SAF in SSB mode with the AN turned on. Cycle the AN on
> and
> > > off and see what happens.
> > >
> > > --- In orion565@yahoogroups.com, "Skip" <ebhudgens@...> wrote:
> > > >
> > > > I have installed the new firmware, do not have the new subreceiver,
> and
> > > the SAV function works great on weak signals. YOu might try
> reinstalling
> > > the firmware.

> > > >
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> >
> > [Non-text portions of this message have been removed]
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> >
> > TODAY(Beta) • Powered by Yahoo!
> > When 'Soy Bomb' crashed the Grammys
> > The 1998 incident remains one of the craziest moments to happen on the
> show's stage.
> > Privacy Policy
>
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7766. Re: SAF Feature (bug or perhaps just left out in the documents)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-10 16:09:58 UTC
From: floydsense
Topic: 7757 Message: 7766

For me, the odds would be ZERO. But, as an old programmer, I would never have created a situation where you could initiate two mutually exclusive actions, as you can in this situation. There are a few good reasons for that position and one of them is that it will, in the long run, create unnecessary calls to the Tentec service department. That might me minimized by a comment in the documentation explaining that the two functions are mutually exclusive as the original poster mentioned.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Auto Notch and SAF are mutually exclusive. What are the odds that you
> would even want to run them both at the same time?
>
> Guess it depends on personal preference - I could probably count on one
> hand the number of times I've used a notch filter in the past 5 years.
> (which is actually greater than the number of times I've used DSP NR in the
> past 5 years)
>
> Barry N1EU
>
> On Fri, Feb 10, 2012 at 2:31 PM, floydsense <floyd@...> wrote:
>
> > **
> >
> >
> > Try using the SAF in SSB mode with the AN turned on. Cycle the AN on and
> > off and see what happens.
> >
<<snip>>

7767. Success Loading V3 565 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-10 16:48:50 UTC
From: Charles KY4P EX A22AA S92SS SV0LM S9SS
Topic: 7767 Message: 7767

It turned out that the problem was with the serial cable I borrowed from a friend. The CTS connection was missing. I made up a correct cable with some DB-9's I had on hand. The load was successful with the new cable.

73,
Charles - KY4P

7768. Re: [orion565] Re: SAF Feature (bug or perhaps just left out in the documents)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-10 17:01:23 UTC
From: Sam W Jacobs CET
Topic: 7757 Message: 7768

Why ? It works great, just NOT with the AN feature turned on. If that is by design, they left it out in all the documentation. So it's either a BUG in the software or an omission in the documentation.

From: Skip <ebhudgens@...>
To: orion565@yahoogroups.com
Sent: Friday, February 10, 2012 7:56 AM
Subject: [orion565] Re: SAF Feature (bug or perhaps just left out in the documents)

I have installed the new firmware, do not have the new subreceiver, and the SAV function works great on weak signals. YOu might try reinstalling the firmware.

--- In orion565@yahoogroups.com, "Sam" <Sam@...> wrote:
>
> To quote the updated document for V3 concerning SAF, it says:
>
> SAF can greatly improve readability of weaker ssb and am signals. The
> SAF width should be
> set to 300hz. Tune in the signal and engage SAF. Adjust the center
> frequency for best
> readability, usually in the range of 300-600hz.
>
> Following these instructions and just playing around with the SAF
> feature, I can't see any difference with the SAF feature turned on or
> off. It's as if it's not even there.
>
> I'm using the O2, V3 installed, No R366 (standard 2nd receiver). SAF
> appears below the "headphone symbol" and is turned on in the RX menu.
>
> ==========
> NOTE: I was just getting ready to send this, and I happened to "turn
> off" my AN Feature (which I always keep on to kill the tune-up carrier
> noise) and immediately the SAF kicked in !! WTF? Is this a bug as I
> didn't see anywhere where it says the AN (Auto-Notch) has to be disabled
> for the SAF to work ???
> ==========
>
> 73,
> Sam
> K3SAM
>
>
>

> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

7769. Re: [orion565] Cannot load V3 firmware for 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-10 17:03:27 UTC
From: Larry Menzel
Topic: 7754 Message: 7769

I wonder if you are using the correct com port its under settings on the menu for the flash update.

Larry W0PR
On Feb 9, 2012 8:27 PM, "Charles KY4P EX A22AA S92SS SV0LM S9SS" <s9ss160m@...> wrote:

> **
>
>
> I just finished intalling the RX-366 subreceiver upgrade and am trying to
> load the required 565 V3.025 firmware. I am first initiating the flash
> update mode. When I attempt to load the firmware, after a few seconds I get
> the message "Communication with the radio has failed." I have all other
> programs shut down.
>
> Bummer!
>
> Can anyone help?
>
> 73,
> Charles - KY4P
>
>
>

[Non-text portions of this message have been removed]

7770. V 3.025 question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-10 19:11:54 UTC
From: Martin
Topic: 7727 Message: 7770

Is there a timeline of the screen garbage and other bug fixes?

73
Martin, OK1RR

7771. Re: [orion565] Re: SAF Feature (bug or perhaps just left out in the documents)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-10 20:39:59 UTC
From: Sam W Jacobs CET
Topic: 7757 Message: 7771

I have. With the AN on, the SAF stops working, turn off the AN and the SAF works again. Try the W: 200 Hz and the C: 90 Hz. Cuts out all the "hiss" on 40 meters, allows nice audio to come through (but not with the AN on).

From: floydsense <floyd@...>
To: orion565@yahoogroups.com
Sent: Friday, February 10, 2012 9:31 AM
Subject: [orion565] Re: SAF Feature (bug or perhaps just left out in the documents)

Try using the SAF in SSB mode with the AN turned on. Cycle the AN on and off and see what happens.

--- In orion565@yahoogroups.com, "Skip" <ebhudgens@...> wrote:
>
> I have installed the new firmware, do not have the new subreceiver, and the SAV function works great on weak signals. YOu might try reinstalling the firmware.
>

[Non-text portions of this message have been removed]

7772. Re: [orion565] Re: SAF Feature (bug or perhaps just left out in the documents)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-10 23:36:10 UTC
From: Sam W Jacobs CET
Topic: 7757 Message: 7772

Floyd,
If you do any amount of SSB you will find that hams still do not know how to tune up. They move off the frequency they want to use by about 500Hz to 1k Hz and key down their 1,500 W Legal Limit amplifier for 10 to 15 minutes. Geesh. The AN (auto notch) feature removes the loud hetrodyne 1K tone that is generated by the O2 due to the LID's operating practices.

So as a rule, I keep the AN on all the time. As far as the DSP NR, I would use it if it worked. Seems V3 has made the NR feature work a bit better.

73, Sam K3SAM

From: floydsense <floyd@...>
To: orion565@...m
Sent: Friday, February 10, 2012 11:09 AM
Subject: [orion565] Re: SAF Feature (bug or perhaps just left out in the documents)

For me, the odds would be ZERO. But, as an old programmer, I would never have created a situation where you could initiate two mutually exclusive actions, as you can in this situation. There are a few good reasons for that position and one of them is that it will, in the long run, create unnecessary calls to the Tentec service department. That might me minimized by a comment in the documentation explaining that the two functions are mutually exclusive as the original poster mentioned.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Auto Notch and SAF are mutually exclusive. What are the odds that you
> would even want to run them both at the same time?
>
> Guess it depends on personal preference - I could probably count on one
> hand the number of times I've used a notch filter in the past 5 years.
> (which is actually greater than the number of times I've used DSP NR in the
> past 5 years)
>
> Barry N1EU
>
> On Fri, Feb 10, 2012 at 2:31 PM, floydsense <floyd@...> wrote:
>
> > **
> >
> >
> > Try using the SAF in SSB mode with the AN turned on. Cycle the AN on and

> > off and see what happens.
> >
<<snip>>

[Non-text portions of this message have been removed]

7773. Re: RX366 Noticable filter difference - Main vs. Sub??

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-11 01:00:35 UTC
From: w1nt
Topic: 7752 Message: 7773

Gain difference I can see clearly because I am needing to adjust the RF Gain differently between MAIN and SUB. What I have been doing is adjusting MAIN and SUB for equal band noise and then operating from there. The observation with doing that, however, is always a much quieter CW signal on the SUB 300Hz filter than the MAIN which is noticeable to the point on weak signal work that the SUB sometimes never hears a signal (recall this testing is being done on same antenna to eliminate that variable). Fiddling with RF gain and AF gain on the sub to bring the received signal audio level to match just worsens the noise - an undesirable result with louder noise in one ear as compared to the other.

Now, using the 300HZ on the main and the 600Hz in the sub produces what I would call the "closest sound". Both band noise levels are equivalent and the received signal levels are as well. So maybe a 300Hz filter problem or something else? For now, the best results where main and sub match up the best are 300Hz main, 600Hz sub and all DSP filter values 300 or less match up the received signal perfectly.

Thoughts?

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> I think it's normal to see a bit of gain difference between the receivers.
> It should be easy for you to accommodate the difference by just dialing in
> a bit more AF or RF Gain in the subrx.
>
> In my Orion I, it's actually the opposite - the RX366 has more gain than
> the main rx. All I need to do is run the subrx AF Gain about 10-15% less
> than the main rx and all is well.
>
> Barry N1EU
>
> On Thu, Feb 9, 2012 at 12:37 PM, w1nt <bradld@...> wrote:
>
> > **
> > >
> > >
> > > I am audibly noticing a large sound level difference between 300 Hz
> > > roofing filters on the main vs sub RX when running diversity. With these
> > > settings common (same settings) between both receivers (Antenna, AGC, RF
> > > GAIN, ATT, PREAMP, BW, PBT, ROOFING FILTER) the sub filter produces
> > > noticably quieter audio to the point where it makes weak signals that can
> > > be heard on the main almost not or not audible on the sub when listened to
> > > in different ears. Is anyone else able to replicate this?
> > >
> > > I am just wondering if this is normal for the RX366 or is it due to the
> > > inability to center the sub roofing filter with the DSP or is it just
> > > variation between filters as produced?
> > >

> > It's so noticeable I am now going to load the 600Hz filter in the sub to
> > see if I get the same result. Any help or guidance is appreciated.
> >
> > Brad
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

7774. Re: [orion565] Re: RX366 Noticable filter difference - Main vs. Sub??

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-11 02:42:11 UTC
From: Barry N1EU
Topic: 7752 Message: 7774

Tune in an s9+ carrier, e.g. 40M SW broadcast, with same antenna feeding main and sub rx. Turn preamp on, ATT off, RF Gain max - in both receivers. Turn up the AF Gain in each receiver to a very loud, but not uncomfortable level - with matching loud levels in both receivers. Note the AF Gain levels in each receiver - use that AF Gain setting, essentially all the time - don't touch it. For normal operation, just back the RF Gain way down till you just hear band noise in each receiver.

If you want to test that SUB 300hz filter - just do the above AF Gain setting/matching at a wide bandwidth and then narrow the bandwidth down and see if the level in main and subrx stays matched as each successively narrow filter kicks in.

Barry N1EU

On Sat, Feb 11, 2012 at 1:00 AM, w1nt <bradld@...> wrote:

> **
>
>
> Gain difference I can see clearly because I am needing to adjust the RF
> Gain differently between MAIN and SUB. What I have been doing is adjusting
> MAIN and SUB for equal band noise and then operating from there. The
> observation with doing that, however, is always a much quieter CW signal on
> the SUB 300Hz filter than the MAIN which is noticeable to the point on weak
> signal work that the SUB sometimes never hears a signal (recall this
> testing is being done on same antenna to eliminate that variable). Fiddling
> with RF gain and AF gain on the sub to bring the received signal audio
> level to match just worsens the noise - an undesirable result with louder
> noise in one ear as compared to the other.
>
> Now, using the 300HZ on the main and the 600Hz in the sub produces what I
> would call the "closest sound". Both band noise levels are equivalent and
> the received signal levels are as well. So maybe a 300Hz filter problem or
> something else? For now, the best results where main and sub match up the
> best are 300Hz main, 600Hz sub and all DSP filter values 300 or less match
> up the received signal perfectly.
>
> Thoughts?
>
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
> >
> > I think it's normal to see a bit of gain difference between the
> receivers.
> > It should be easy for you to accommodate the difference by just dialing

> in
> > a bit more AF or RF Gain in the subrx.
> >
> > In my Orion I, it's actually the opposite - the RX366 has more gain than
> > the main rx. All I need to do is run the subrx AF Gain about 10-15% less
> > than the main rx and all is well.
> >
> > Barry N1EU
> >
> > On Thu, Feb 9, 2012 at 12:37 PM, w1nt <bradld@...> wrote:
> >
> > > **
>
> > >
> > >
> > > I am audibly noticing a large sound level difference between 300 Hz
> > > roofing filters on the main vs sub RX when running diversity. With
> these
> > > settings common (same settings) between both receivers (Antenna, AGC,
> RF
> > > GAIN, ATT, PREAMP, BW, PBT, ROOFING FILTER) the sub filter produces
> > > noticably quieter audio to the point where it makes weak signals that
> can
> > > be heard on the main almost not or not audible on the sub when
> listened to
> > > in different ears. Is anyone else able to replicate this?
> > >
> > > I am just wondering if this is normal for the RX366 or is it due to the
> > > inability to center the sub roofing filter with the DSP or is it just
> > > variation between filters as produced?
> > >
> > > It's so noticeable I am now going to load the 600Hz filter in the sub
> to
> > > see if I get the same result. Any help or guidance is appreciated.
> > >
> > > Brad
> > >
> > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
>
>
>

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7775. Re: V 3.025 question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-11 10:16:55 UTC
From: pa1ap
Topic: 7727 Message: 7775

Hello Martin,

A new firmware version is created and tested within the beta group. So far it seems the display errors are resolved. Now we just have to wait for ten tec to release a new version.
best regards, onno

--- In orion565@yahoogroups.com, Martin <martin@...> wrote:
>
> Is there a timeline of the screen garbage and other bug fixes?
>
> 73
> Martin, OK1RR
>

7776. Re: Success Loading V3 565 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-11 10:34:13 UTC
From: pa1ap
Topic: 7767 Message: 7776

Thank you for sharing the good news!

Hope you will enjoy the v3 firmware. Best regards, onno

--- In orion565@yahoogroups.com, "Charles KY4P EX A22AA S92SS SV0LM S9SS" <s9ss160m@...> wrote:
>
> It turned out that the problem was with the serial cable I borrowed from a friend. The CTS connection was missing. I made up a correct cable with some DB-9's I had on hand. The load was successful with the new cable.
>
> 73,
> Charles - KY4P
>

7777. FW V3.026: Minor bug report - Sweep display freezing

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-11 11:36:43 UTC
From: Peter Frenning [OZ1PIF]
Topic: 7777 Message: 7777

If left alone for a considerable time (but usually less than an hour) in
Rx mode with Sweep on, it'll sometimes freeze (this also happened,
albeit more often with earlier FW).
A quick off/on of the Sweep button, will restart the Sweep display.

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Genius is one per cent inspiration, **
** and ninety-nine per cent **
** perspiration. **
** -- Thomas A. Edison **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

7778. Re: [orion565] FW V3.026: Minor bug report - Sweep display freezing

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-11 12:47:50 UTC
From: Per Bekker-Madsen
Topic: 7777 Message: 7778

Mine have been left alone for three hours now and I dont have that problem
Peter

73 Per OZ1EQC/OV2V

2012/2/11 Peter Frenning [OZ1PIF] <peter@...>

> If left alone for a considerable time (but usually less than an hour) in
> Rx mode with Sweep on, it'll sometimes freeze (this also happened,
> albeit more often with earlier FW).
> A quick off/on of the Sweep button, will restart the Sweep display.
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> **
> ** Genius is one per cent inspiration, **
> ** and ninety-nine per cent **
> ** perspiration. **
> ** -- Thomas A. Edison **
> **
> email: peter(no-spam filler)@...
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

7779. Re: [orion565] FW V3.026: Minor bug report - Sweep display freezing

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-11 14:00:48 UTC
From: Peter Frenning [OZ1PIF]
Topic: 7777 Message: 7779

Den 11-02-2012 13:47, Per Bekker-Madsen skrev:
> Mine have been left alone for three hours now and I dont have that problem
> Peter
>
> 73 Per OZ1EQC/OV2V
>
>
>
> 2012/2/11 Peter Frenning [OZ1PIF]<peter@...>
>
>> If left alone for a considerable time (but usually less than an hour) in
>> Rx mode with Sweep on, it'll sometimes freeze (this also happened,
>> albeit more often with earlier FW).
>> A quick off/on of the Sweep button, will restart the Sweep display.
>>
>> --
>> Vy 73 de OZ1PIF/5Q2M, Peter
>
If only it was that easily reproduceable....
It happens, as I wrote, just sometimes.

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Genius is one per cent inspiration, **
** and ninety-nine per cent **
** perspiration. **
** -- Thomas A. Edison **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

7780. Orion Backup and restore V2930 available for download

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-11 16:44:31 UTC
From: pa1ap
Topic: 7780 Message: 7780

Greetings,

I am happy to inform you that OBR 2930 is now available.

The program includes a lightweight help function. Click on ? and point with mouse to area of interest. A small popup window will provide some information. For remaining questions send me an email.

Obviously it is recommended to leave the Orion untouched during the backup or restore procedure ;-) During backup and restore both VFO's will be locked and (un)lock will be recovered afterwards. Same for frequency and mode where applicable.

Hope you will enjoy the program and that it will be of benefit for you.

Some background on the backup and restore function;

1) I cannot perform a backup of values which are not covered by a serial command. At present OBR includes all commands available except for the Tuner on/off status...

2) You can click on the "translate" button to rotate to different log views. This button will not change what is stored in the backup file and it is just there for curious people ;-) The translate+ button provides some hints of where you would normally find the value which is included in the backup or restore sequence.

Recommended installation package:

OBR setup 2920.zip for all windows versions (4.5 installer)
http://www.box.com/s/4r7y8g39avyypbmju7ml

In case the recommended does not work on your windows xp environment:

OBR setup 2920 XP special.zip for windows XP (3.1 installer)
http://www.box.com/s/rg37a1222duhr2xdgy93

Best regards,
Onno

7781. Anybody using Beyerdynamic DT-109 headset with Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-11 17:26:34 UTC
From: Barry N1EU
Topic: 7781 Message: 7781

If anybody out there is using a Beyerdynamic DT-109 headset with the Orion, could you please drop me an email? I'd like to discuss headphone and mic levels. One thing I'm finding is that with Orion (v3) AF Gain at 100%, headphone volume level is barely adequate. Headphone impedance is 50 ohms. My K3 drives the headphones without a problem.

Thanks & 73,
Barry N1EU

[Non-text portions of this message have been removed]

7782. Re: [orion565] Orion Backup and restore V2930 available for download

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-11 18:55:20 UTC
From: TroyW6HV
Topic: 7780 Message: 7782

I tried both versions and was unable to get either to install. Running XP sp2. Suggestions as to my mistakes?
Thanks,
Troy, W6HV

-----Original Message-----
From: pa1ap
Sent: Saturday, February 11, 2012 8:44 AM
To: orion565@yahoogroups.com
Subject: [orion565] Orion Backup and restore V2930 available for download

Greetings,

I am happy to inform you that OBR 2930 is now available.

The program includes a lightweight help function. Click on ? and point with mouse to area of interest. A small popup window will provide some information. For remaining questions send me an email.

Obviously it is recommended to leave the Orion untouched during the backup or restore procedure ;-) During backup and restore both VFO's will be locked and (un)lock will be recovered afterwards. Same for frequency and mode where applicable.

Hope you will enjoy the program and that it will be of benefit for you.

Some background on the backup and restore function;

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Recommended installation package:

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http://www.box.com/s/4r7y8g39avyypbmju7ml

In case the recommended does not work on your windows xp environment:

OBR setup 2920 XP special.zip for windows XP (3.1 installer)
http://www.box.com/s/rg37a1222duhr2xdgy93

Best regards,
Onno

Yahoo! Groups Links

7783. Re: [orion565] Orion Backup and restore V2930 available for download

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-11 19:24:47 UTC
From: Per Bekker-Madsen
Topic: 7780 Message: 7783

Downloaded, installed, backupped my 565, made a master reset, and restored
the settings, all went well and the radio works perfect Onno.

73 Per OZ1EQC & OV2V

2012/2/11 pa1ap <pa1ap@...>

> **
>
>
> Greetings,
>
> I am happy to inform you that OBR 2930 is now available.
>
> The program includes a lightweight help function. Click on ? and point
> with mouse to area of interest. A small popup window will provide some
> information. For remaining questions send me an email.
>
> Obviously it is recommended to leave the Orion untouched during the backup
> or restore procedure ;-) During backup and restore both VFO's will be
> locked and (un)lock will be recovered afterwards. Same for frequency and
> mode where applicable.
>
> Hope you will enjoy the program and that it will be of benefit for you.
>
> Some background on the backup and restore function;
>
> 1) I cannot perform a backup of values which are not covered by a serial
> command. At present OBR includes all commands available except for the
> Tuner on/off status...
>
> 2) You can click on the "translate" button to rotate to different log
> views. This button will not change what is stored in the backup file and it
> is just there for curious people ;-) The translate+ button provides some
> hints of where you would normally find the value which is included in the
> backup or restore sequence.
>
> Recommended installation package:
>
> OBR setup 2920.zip for all windows versions (4.5 installer)
> http://www.box.com/s/4r7y8g39avyypbmju7ml
>
> In case the recommended does not work on your windows xp environment:
>
> OBR setup 2920 XP special.zip for windows XP (3.1 installer)
> http://www.box.com/s/rg37a1222duhr2xdgy93

>
> Best regards,
> Onno
>
>
>

[Non-text portions of this message have been removed]

7784. Re: [orion565] FW V3.026: Minor bug report - Sweep display freezing

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-11 23:39:59 UTC
From: Sam W Jacobs CET
Topic: 7777 Message: 7784

My radio stays on 24/7 (all firmware versions, currently on V3) and the sweep function hasn't froze yet.

From: Per Bekker-Madsen <oz1eqc@...>
To: orion565@yahoogroups.com
Sent: Saturday, February 11, 2012 7:47 AM
Subject: Re: [orion565] FW V3.026: Minor bug report - Sweep display freezing

Mine have been left alone for three hours now and I dont have that problem
Peter

73 Per OZ1EQC/OV2V

2012/2/11 Peter Frenning [OZ1PIF] <peter@...>

> If left alone for a considerable time (but usually less than an hour) in
> Rx mode with Sweep on, it'll sometimes freeze (this also happened,
> albeit more often with earlier FW).
> A quick off/on of the Sweep button, will restart the Sweep display.
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> **
> ** Genius is one per cent inspiration, **
> ** and ninety-nine per cent **
> ** perspiration. **
> ** -- Thomas A. Edison **
> **
> email: peter(no-spam filler)@...
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **
>
>
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

7785. Re: Orion Backup and restore V2930 available for download

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-12 06:36:56 UTC
From: pa1ap
Topic: 7780 Message: 7785

A special note for windows xp users might be of use: please ensure you run windows update process (all and not only urgent ones) prior to installing the obr utility. The utility expects certain environment to be there and if your windows xp has been catching dust for a while it will not have the latest environment.

Best regards, onno

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings,
>
> I am happy to inform you that OBR 2930 is now available.
>
> The program includes a lightweight help function. Click on ? and point with mouse to area of interest. A small popup window will provide some information. For remaining questions send me an email.
>
> Obviously it is recommended to leave the Orion untouched during the backup or restore procedure ;-) During backup and restore both VFO's will be locked and (un)lock will be recovered afterwards. Same for frequency and mode where applicable.
>
> Hope you will enjoy the program and that it will be of benefit for you.
>
> Some background on the backup and restore function;
>
> 1) I cannot perform a backup of values which are not covered by a serial command. At present OBR includes all commands available except for the Tuner on/off status...
>
> 2) You can click on the "translate" button to rotate to different log views. This button will not change what is stored in the backup file and it is just there for curious people ;-) The translate+ button provides some hints of where you would normally find the value which is included in the backup or restore sequence.
>
> Recommended installation package:
>
> OBR setup 2920.zip for all windows versions (4.5 installer)
> http://www.box.com/s/4r7y8g39avyypbmju7ml
>
>
> In case the recommended does not work on your windows xp environment:
>
> OBR setup 2920 XP special.zip for windows XP (3.1 installer)
> http://www.box.com/s/rg37a1222duhr2xdgy93
>
> Best regards,

> 0nno
>

7786. Re: RX366 Noticable filter difference - Main vs. Sub??

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-12 21:15:42 UTC
From: w1nt
Topic: 7752 Message: 7786

Slightly unmatched when 300main & 300sub IMO.

300main,600sub - good match-up. @11.8 sec switch to 300Hz, 13.8 sec back to 600Hz, 15.1 seconds back to 300Hz:
http://www.w1nt.com/sounds/RX366/300main_600sub.mp3

300 main, 300 sub - slight mismatch. slience between 11-13 seconds i switch over to 300Hz filter.
http://www.w1nt.com/sounds/RX366/300main_300sub.mp3

300 main, 300 sub - 1uV signal, sub RX almost disappears.
http://www.w1nt.com/sounds/RX366/300main_300sub_1uv.mp3

Brad

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Tune in an s9+ carrier, e.g. 40M SW broadcast, with same antenna feeding
> main and sub rx. Turn preamp on, ATT off, RF Gain max - in both
> receivers. Turn up the AF Gain in each receiver to a very loud, but not
> uncomfortable level - with matching loud levels in both receivers. Note
> the AF Gain levels in each receiver - use that AF Gain setting, essentially
> all the time - don't touch it. For normal operation, just back the RF Gain
> way down till you just hear band noise in each receiver.
>
> If you want to test that SUB 300hz filter - just do the above AF Gain
> setting/matching at a wide bandwidth and then narrow the bandwidth down and
> see if the level in main and subrx stays matched as each successively
> narrow filter kicks in.
>
> Barry N1EU
>
> On Sat, Feb 11, 2012 at 1:00 AM, w1nt <bradld@...> wrote:
>
> > **
> > >
> > >
> > > Gain difference I can see clearly because I am needing to adjust the RF
> > > Gain differently between MAIN and SUB. What I have been doing is adjusting
> > > MAIN and SUB for equal band noise and then operating from there. The
> > > observation with doing that, however, is always a much quieter CW signal on
> > > the SUB 300Hz filter than the MAIN which is noticeable to the point on weak
> > > signal work that the SUB sometimes never hears a signal (recall this
> > > testing is being done on same antenna to eliminate that variable). Fiddling
> > > with RF gain and AF gain on the sub to bring the received signal audio
> > > level to match just worsens the noise - an undesirable result with louder

> > noise in one ear as compared to the other.
> >
> > Now, using the 300HZ on the main and the 600Hz in the sub produces what I
> > would call the "closest sound". Both band noise levels are equivalent and
> > the received signal levels are as well. So maybe a 300Hz filter problem or
> > something else? For now, the best results where main and sub match up the
> > best are 300Hz main, 600Hz sub and all DSP filter values 300 or less match
> > up the received signal perfectly.
> >
> > Thoughts?
> >
> >
> > --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> > >
> > > I think it's normal to see a bit of gain difference between the
> > receivers.
> > > It should be easy for you to accommodate the difference by just dialing
> > in
> > > a bit more AF or RF Gain in the subrx.
> > >
> > > In my Orion I, it's actually the opposite - the RX366 has more gain than
> > > the main rx. All I need to do is run the subrx AF Gain about 10-15% less
> > > than the main rx and all is well.
> > >
> > > Barry N1EU
> > >
> > > On Thu, Feb 9, 2012 at 12:37 PM, w1nt <bradld@> wrote:
> > >
> > > > **
> > >
> > > >
> > > >
> > > > I am audibly noticing a large sound level difference between 300 Hz
> > > > roofing filters on the main vs sub RX when running diversity. With
> > these
> > > > settings common (same settings) between both receivers (Antenna, AGC,
> > RF
> > > > GAIN, ATT, PREAMP, BW, PBT, ROOFING FILTER) the sub filter produces
> > > > noticably quieter audio to the point where it makes weak signals that
> > can
> > > > be heard on the main almost not or not audible on the sub when
> > listened to
> > > > in different ears. Is anyone else able to replicate this?
> > > >
> > > > I am just wondering if this is normal for the RX366 or is it due to the
> > > > inability to center the sub roofing filter with the DSP or is it just
> > > > variation between filters as produced?
> > > >
> > > > It's so noticeable I am now going to load the 600Hz filter in the sub
> > to

> > > > see if I get the same result. Any help or guidance is appreciated.
> > > >
> > > > Brad
> > > >
> > > >
> > > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
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>

7787. v 3.025 on my 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-13 05:44:13 UTC
From: Larry Menzel
Topic: 7787 Message: 7787

Guys,

I'm having a duece of a time with my second receiver on my 565. Since I loaded 3.025 it's intermittent. Sometime when I turn it up, it's there and sometimes it's not.

I reinstalled 2.062a and the receiver works perfectly, so I guess, at least in my case, it's something to do with the firmware and my radio.

I have done the switch between version twice now, and each time, 2.062a works fine, and 3.025 does not. When it's not working it's just white noise, no matter how high I turn the gain, there's no signal there. I love the SAF feature, and sure want to run 3.025 on my radio, but maybe I'll have to go back so i have both receivers working.

Anyone else experiencing this?

Larry, W0PR

[Non-text portions of this message have been removed]

7788. Re: v 3.025 on my 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-13 13:01:13 UTC
From: force2ak
Topic: 7787 Message: 7788

Larry, Are you doing the ram reset and the master reset after
you install the new firmware.
also at the time of ram reset the question is asked if you have the new RX366 receiver
board if you answer YES that is the reason you
cant receive on the sub receiver, because that board is not installed.
go do another ram reset after you install the new firware and take
a good look at the questions asked.

Regards Alan - AK8S

--- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
>
> Guys,
>
> I'm having a duece of a time with my second receiver on my 565. Since I
> loaded 3.025 it's intermittent. Sometime when I turn it up, it's there and
> sometimes it's not.
>
> I reinstalled 2.062a and the receiver works perfectly, so I guess, at least
> in my case, it's something to do with the firmware and my radio.
>
> I have done the switch between version twice now, and each time, 2.062a
> works fine, and 3.025 does not. When it's not working it's just white
> noise, no matter how high I turn the gain, there's no signal there. I love
> the SAF feature, and sure want to run 3.025 on my radio, but maybe I'll
> have to go back so i have both receivers working.
>
> Anyone else experiencing this?
>
> Larry, W0PR
>
>
> [Non-text portions of this message have been removed]
>

7789. Re: [orion565] Re: v 3.025 on my 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-13 15:22:24 UTC
From: Larry Menzel
Topic: 7787 Message: 7789

Hi, Alan,

I wish it was true that I had "mispushed" the button, but I didn't. I followed all instructions to the letter, and answered NO to the installed rx question. So unless the firmware is lying to me (yes is no and no is yes!) then that's not the problem.

That does not explain why the receiver works at some times, and not at others. Just now, I was listening on 75 and the receiver was not working. I switched to 20 meters, and it started working! I switched back to 75 LSB and now it is working here as well.

See, not at all how it's supposed to work. Very strange.

Larry, W0PR

On Mon, Feb 13, 2012 at 7:01 AM, force2ak <force2ak@...> wrote:

> **
>
>
> Larry, Are you doing the ram reset and the master reset after
> you install the new firmware.
> also at the time of ram reset the question is asked if you have the new
> RX366 receiver board if you answer YES that is the reason you
> cant receive on the sub receiver, because that board is not installed.
> go do another ram reset after you install the new firware and take
> a good look at the questions asked.
>
> Regards Alan - AK8S
>
>
> --- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
> >
> > Guys,
> >
> > I'm having a duece of a time with my second receiver on my 565. Since I
> > loaded 3.025 it's intermittent. Sometime when I turn it up, it's there
> and
> > sometimes it's not.
> >
> > I reinstalled 2.062a and the receiver works perfectly, so I guess, at
> least
> > in my case, it's something to do with the firmware and my radio.
> >
> > I have done the switch between version twice now, and each time, 2.062a

> > works fine, and 3.025 does not. When it's not working it's just white
> > noise, no matter how high I turn the gain, there's no signal there. I
> love
> > the SAF feature, and sure want to run 3.025 on my radio, but maybe I'll
> > have to go back so i have both receivers working.
> >
> > Anyone else experiencing this?
> >
> > Larry, W0PR
> >
> >
> > [Non-text portions of this message have been removed]
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7790. Re: [orion565] Re: v 3.025 on my 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-13 15:26:07 UTC
From: Barry N1EU
Topic: 7787 Message: 7790

Look on the Filter Menu. Do you see three slots listed on the bottom for
the RX366 subreceiver? If so, the firmware thinks you said "yes" to RX366
installation. If that's the case, perhaps the firmware isn't detecting the
"No" button press correctly.

Barry N1EU

On Mon, Feb 13, 2012 at 3:22 PM, Larry Menzel <retire@...> wrote:

> Hi, Alan,
>
> I wish it was true that I had "mispushed" the button, but I didn't. I
> followed all instructions to the letter, and answered NO to the installed
> rx question. So unless the firmware is lying to me (yes is no and no is
> yes!) then that's not the problem.
>
> That does not explain why the receiver works at some times, and not at
> others. Just now, I was listening on 75 and the receiver was not working.
> I switched to 20 meters, and it started working! I switched back to 75 LSB
> and now it is working here as well.
>
> See, not at all how it's supposed to work. Very strange.
>
> Larry, W0PR
>
>
> On Mon, Feb 13, 2012 at 7:01 AM, force2ak <force2ak@...> wrote:
>
> > **
> >
> >
> > Larry, Are you doing the ram reset and the master reset after
> > you install the new firmware.
> > also at the time of ram reset the question is asked if you have the new
> > RX366 receiver board if you answer YES that is the reason you
> > cant receive on the sub receiver, because that board is not installed.
> > go do another ram reset after you install the new firware and take
> > a good look at the questions asked.
> >
> > Regards Alan - AK8S
> >
> >
> > --- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
> > >
> > > Guys,
> > >

> > > I'm having a duece of a time with my second receiver on my 565. Since I
> > > loaded 3.025 it's intermittent. Sometime when I turn it up, it's there
> > and
> > > sometimes it's not.
> > >
> > > I reinstalled 2.062a and the receiver works perfectly, so I guess, at
> > least
> > > in my case, it's something to do with the firmware and my radio.
> > >
> > > I have done the switch between version twice now, and each time, 2.062a
> > > works fine, and 3.025 does not. When it's not working it's just white
> > > noise, no matter how high I turn the gain, there's no signal there. I
> > love
> > > the SAF feature, and sure want to run 3.025 on my radio, but maybe I'll
> > > have to go back so i have both receivers working.
> > >
> > > Anyone else experiencing this?
> > >
> > > Larry, W0PR
> > >
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7791. Re: [orion565] Re: v 3.025 on my 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-13 15:36:03 UTC
From: Larry Menzel
Topic: 7787 Message: 7791

Hi Barry,

Yes, the three slots are there, but all are reporting NONE as they should.
I suspect that 3.025 adds that filter selection menu regardless of whether
the receiver is installed or not.

Why it should work sometimes and not all the time is my problem. I'll call
Paul this morning and see what he has to say about it.

Thanks.

Larry, W0PR

On Mon, Feb 13, 2012 at 9:26 AM, Barry N1EU <barry.n1eu@...> wrote:

> **
>
>
> Look on the Filter Menu. Do you see three slots listed on the bottom for
> the RX366 subreceiver? If so, the firmware thinks you said "yes" to RX366
> installation. If that's the case, perhaps the firmware isn't detecting the
> "No" button press correctly.
>
> Barry N1EU
>
>
> On Mon, Feb 13, 2012 at 3:22 PM, Larry Menzel <retire@...> wrote:
>
> > Hi, Alan,
> >
> > I wish it was true that I had "mispushed" the button, but I didn't. I
> > followed all instructions to the letter, and answered NO to the installed
> > rx question. So unless the firmware is lying to me (yes is no and no is
> > yes!) then that's not the problem.
> >
> > That does not explain why the receiver works at some times, and not at
> > others. Just now, I was listening on 75 and the receiver was not working.
> > I switched to 20 meters, and it started working! I switched back to 75
> LSB
> > and now it is working here as well.
> >
> > See, not at all how it's supposed to work. Very strange.
> >
> > Larry, W0PR
> >
> >

> > On Mon, Feb 13, 2012 at 7:01 AM, force2ak <force2ak@yahoo.com> wrote:
> >
> > > **
>
> > >
> > >
> > > Larry, Are you doing the ram reset and the master reset after
> > > you install the new firmware.
> > > also at the time of ram reset the question is asked if you have the new
> > > RX366 receiver board if you answer YES that is the reason you
> > > cant receive on the sub receiver, because that board is not installed.
> > > go do another ram reset after you install the new firware and take
> > > a good look at the questions asked.
> > >
> > > Regards Alan - AK8S
> > >
> > >
> > > --- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
> > > >
> > > > Guys,
> > > >
> > > > I'm having a duece of a time with my second receiver on my 565.
> Since I
> > > > loaded 3.025 it's intermittent. Sometime when I turn it up, it's
> there
> > > and
> > > > sometimes it's not.
> > > >
> > > > I reinstalled 2.062a and the receiver works perfectly, so I guess, at
> > > least
> > > > in my case, it's something to do with the firmware and my radio.
> > > >
> > > > I have done the switch between version twice now, and each time,
> 2.062a
> > > > works fine, and 3.025 does not. When it's not working it's just white
> > > > noise, no matter how high I turn the gain, there's no signal there. I
> > > love
> > > > the SAF feature, and sure want to run 3.025 on my radio, but maybe
> I'll
> > > > have to go back so i have both receivers working.
> > > >
> > > > Anyone else experiencing this?
> > > >
> > > > Larry, W0PR
> > > >
> > > >
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7792. RE: [orion565] Re: v 3.025 on my 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-13 15:39:36 UTC
From: John T. Fleming
Topic: 7787 Message: 7792

Barry,

I am looking at my menu and I do not have the RX366. I selected NO for the RX366 installed, yet the filter lists are at the bottom. They are set to NONE. I can change the value, but I kept it at NONE. I wonder if the Clear Memories and Clear filters option should be selected as NO and then reload what is actually installed.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Monday, February 13, 2012 10:26 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: v 3.025 on my 565

Look on the Filter Menu. Do you see three slots listed on the bottom for the RX366 subreceiver? If so, the firmware thinks you said "yes" to RX366 installation. If that's the case, perhaps the firmware isn't detecting the "No" button press correctly.

Barry N1EU

On Mon, Feb 13, 2012 at 3:22 PM, Larry Menzel <retire@...
<mailto:retire%40means.net> > wrote:

> Hi, Alan,
>
> I wish it was true that I had "mispushed" the button, but I didn't. I
> followed all instructions to the letter, and answered NO to the installed
> rx question. So unless the firmware is lying to me (yes is no and no is
> yes!) then that's not the problem.
>
> That does not explain why the receiver works at some times, and not at
> others. Just now, I was listening on 75 and the receiver was not working.
> I switched to 20 meters, and it started working! I switched back to 75 LSB
> and now it is working here as well.
>
> See, not at all how it's supposed to work. Very strange.
>
> Larry, W0PR
>
>
> On Mon, Feb 13, 2012 at 7:01 AM, force2ak <force2ak@...
<mailto:force2ak%40yahoo.com> > wrote:

>
> > **
> >
> >
> > Larry, Are you doing the ram reset and the master reset after
> > you install the new firmware.
> > also at the time of ram reset the question is asked if you have the new
> > RX366 receiver board if you answer YES that is the reason you
> > cant receive on the sub receiver, because that board is not installed.
> > go do another ram reset after you install the new firware and take
> > a good look at the questions asked.
> >
> > Regards Alan - AK8S
> >
> >
> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
Larry Menzel <retire@...> wrote:
> > >
> > > Guys,
> > >
> > > I'm having a duece of a time with my second receiver on my 565. Since
I
> > > loaded 3.025 it's intermittent. Sometime when I turn it up, it's there
> > and
> > > sometimes it's not.
> > >
> > > I reinstalled 2.062a and the receiver works perfectly, so I guess, at
> > least
> > > in my case, it's something to do with the firmware and my radio.
> > >
> > > I have done the switch between version twice now, and each time,
2.062a
> > > works fine, and 3.025 does not. When it's not working it's just white
> > > noise, no matter how high I turn the gain, there's no signal there. I
> > love
> > > the SAF feature, and sure want to run 3.025 on my radio, but maybe
I'll
> > > have to go back so i have both receivers working.
> > >
> > > Anyone else experiencing this?
> > >
> > > Larry, W0PR

[Non-text portions of this message have been removed]

7793. Re: [orion565] Re: v 3.025 on my 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-13 15:45:44 UTC
From: Larry Menzel
Topic: 7787 Message: 7793

Hi, John,

I just got off the phone with Paul Clinton, and yes, those filter selections are inherent in the 3.025 firmware, even if you answer NO to the RX366 installed question.

They have no function without the receiver, naturally.

Larry, W0PR

On Mon, Feb 13, 2012 at 9:39 AM, John T. Fleming <john@...> wrote:

> **
>
>
> Barry,
>
> I am looking at my menu and I do not have the RX366. I selected NO for the
> RX366 installed, yet the filter lists are at the bottom. They are set to
> NONE. I can change the value, but I kept it at NONE. I wonder if the Clear
> Memories and Clear filters option should be selected as NO and then reload
> what is actually installed.
>
> 73,
>
> John
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Barry N1EU
> Sent: Monday, February 13, 2012 10:26 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Re: v 3.025 on my 565
>
>
> Look on the Filter Menu. Do you see three slots listed on the bottom for
> the RX366 subreceiver? If so, the firmware thinks you said "yes" to RX366
> installation. If that's the case, perhaps the firmware isn't detecting the
> "No" button press correctly.
>
> Barry N1EU
>
> On Mon, Feb 13, 2012 at 3:22 PM, Larry Menzel <retire@...
> <mailto:retire%40means.net> > wrote:
>
> > Hi, Alan,
> >

> > I wish it was true that I had "mispushed" the button, but I didn't. I
> > followed all instructions to the letter, and answered NO to the installed
> > rx question. So unless the firmware is lying to me (yes is no and no is
> > yes!) then that's not the problem.
> >
> > That does not explain why the receiver works at some times, and not at
> > others. Just now, I was listening on 75 and the receiver was not working.
> > I switched to 20 meters, and it started working! I switched back to 75
> LSB
> > and now it is working here as well.
> >
> > See, not at all how it's supposed to work. Very strange.
> >
> > Larry, W0PR
> >
> >
> > On Mon, Feb 13, 2012 at 7:01 AM, force2ak <force2ak@...
> <mailto:force2ak%40yahoo.com> > wrote:
> >
> > > **
> > >
> > >
> > > Larry, Are you doing the ram reset and the master reset after
> > > you install the new firmware.
> > > also at the time of ram reset the question is asked if you have the new
> > > RX366 receiver board if you answer YES that is the reason you
> > > cant receive on the sub receiver, because that board is not installed.
> > > go do another ram reset after you install the new firware and take
> > > a good look at the questions asked.
> > >
> > > Regards Alan - AK8S
> > >
> > >
> > > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
> >
> Larry Menzel <retire@...> wrote:
> > > > >
> > > > > Guys,
> > > > >
> > > > > I'm having a duece of a time with my second receiver on my 565. Since
> I
> > > > > loaded 3.025 it's intermittent. Sometime when I turn it up, it's
> there
> > > and
> > > > > sometimes it's not.
> > > > >
> > > > > I reinstalled 2.062a and the receiver works perfectly, so I guess, at
> > > least
> > > > > in my case, it's something to do with the firmware and my radio.
> > > > >

> > > > I have done the switch between version twice now, and each time,
> 2.062a
> > > > > works fine, and 3.025 does not. When it's not working it's just white
> > > > > noise, no matter how high I turn the gain, there's no signal there. I
> > > > love
> > > > > the SAF feature, and sure want to run 3.025 on my radio, but maybe
> I'll
> > > > > have to go back so i have both receivers working.
> > > > >
> > > > > Anyone else experiencing this?
> > > > >
> > > > > Larry, W0PR
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

7794. Re: [orion565] Re: v 3.025 on my 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-13 15:51:42 UTC
From: Barry N1EU
Topic: 7787 Message: 7794

Sorry, I stand corrected but it was worth investigating. Don't understand why they didn't suppress those 3 lines but I'm sure there's a good reason.

Barry N1EU

On Mon, Feb 13, 2012 at 3:45 PM, Larry Menzel <retire@...> wrote:

> Hi, John,
>
> I just got off the phone with Paul Clinton, and yes, those filter selections are inherent in the 3.025 firmware, even if you answer NO to the RX366 installed question.
>
> They have no function without the receiver, naturally.
>
> Larry, W0PR
>
> On Mon, Feb 13, 2012 at 9:39 AM, John T. Fleming <john@...> wrote:
>
> > **
> > >
> > >
> > > Barry,
> > >
> > > I am looking at my menu and I do not have the RX366. I selected NO for the
> > > RX366 installed, yet the filter lists are at the bottom. They are set to
> > > NONE. I can change the value, but I kept it at NONE. I wonder if the Clear
> > > Memories and Clear filters option should be selected as NO and then reload
> > > what is actually installed.
> > >
> > > 73,
> > >
> > > John
> > >
> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > > Of Barry N1EU
> > > Sent: Monday, February 13, 2012 10:26 AM
> > > To: orion565@yahoogroups.com
> > > Subject: Re: [orion565] Re: v 3.025 on my 565
> > >
> > >
> > > Look on the Filter Menu. Do you see three slots listed on the bottom for

> > the RX366 subreceiver? If so, the firmware thinks you said "yes" to RX366
> > installation. If that's the case, perhaps the firmware isn't detecting
> the
> > "No" button press correctly.
> >
> > Barry N1EU
> >
> > On Mon, Feb 13, 2012 at 3:22 PM, Larry Menzel <retire@...
> > <mailto:retire%40means.net> > wrote:
> >
> > > Hi, Alan,
> > >
> > > I wish it was true that I had "mispushed" the button, but I didn't. I
> > > followed all instructions to the letter, and answered NO to the
> installed
> > > rx question. So unless the firmware is lying to me (yes is no and no is
> > > yes!) then that's not the problem.
> > >
> > > That does not explain why the receiver works at some times, and not at
> > > others. Just now, I was listening on 75 and the receiver was not
> working.
> > > I switched to 20 meters, and it started working! I switched back to 75
> > LSB
> > > and now it is working here as well.
> > >
> > > See, not at all how it's supposed to work. Very strange.
> > >
> > > Larry, W0PR
> > >
> > >
> > > On Mon, Feb 13, 2012 at 7:01 AM, force2ak <force2ak@...
> > <mailto:force2ak%40yahoo.com> > wrote:
> > >
> > > > **
> > > >
> > > >
> > > > Larry, Are you doing the ram reset and the master reset after
> > > > you install the new firmware.
> > > > also at the time of ram reset the question is asked if you have the
> new
> > > > RX366 receiver board if you answer YES that is the reason you
> > > > cant receive on the sub receiver, because that board is not
> installed.
> > > > go do another ram reset after you install the new firware and take
> > > > a good look at the questions asked.
> > > >
> > > > Regards Alan - AK8S
> > > >
> > > >
> > > > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

> ,
> >
> > Larry Menzel <retire@...> wrote:
> > > > >
> > > > > Guys,
> > > > >
> > > > > I'm having a duece of a time with my second receiver on my 565.
> Since
> > I
> > > > > loaded 3.025 it's intermittent. Sometime when I turn it up, it's
> > there
> > > > and
> > > > > sometimes it's not.
> > > > >
> > > > > I reinstalled 2.062a and the receiver works perfectly, so I guess,
> at
> > > > least
> > > > > in my case, it's something to do with the firmware and my radio.
> > > > >
> > > > > I have done the switch between version twice now, and each time,
> > 2.062a
> > > > > works fine, and 3.025 does not. When it's not working it's just
> white
> > > > > noise, no matter how high I turn the gain, there's no signal
> there. I
> > > > love
> > > > > the SAF feature, and sure want to run 3.025 on my radio, but maybe
> > I'll
> > > > > have to go back so i have both receivers working.
> > > > >
> > > > > Anyone else experiencing this?
> > > > >
> > > > > Larry, W0PR
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
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> >
> > [Non-text portions of this message have been removed]
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> > Yahoo! Groups Links
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[Non-text portions of this message have been removed]

7795. Re: [orion565] Re: v 3.025 on my 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-13 15:53:19 UTC
From: Barry N1EU
Topic: 7787 Message: 7795

When you boot your Orion, you don't see a message saying "RX366 Installed"
do you?

Did Paul Clinton have any troubleshooting advice?

Barry N1EU

On Mon, Feb 13, 2012 at 3:51 PM, Barry N1EU <barry.n1eu@...> wrote:

> Sorry, I stand corrected but it was worth investigating. Don't understand
> why they didn't suppress those 3 lines but I'm sure there's a good reason.
>
> Barry N1EU
>
>
>
> On Mon, Feb 13, 2012 at 3:45 PM, Larry Menzel <retire@...> wrote:
>
>> Hi, John,
>>
>> I just got off the phone with Paul Clinton, and yes, those filter
>> selections are inherent in the 3.025 firmware, even if you answer NO to
>> the
>> RX366 installed question.
>>
>> They have no function without the receiver, naturally.
>>
>> Larry, W0PR
>>
>> On Mon, Feb 13, 2012 at 9:39 AM, John T. Fleming <john@...> wrote:
>>
>> > **
>> >
>> >
>> > Barry,
>> >
>> > I am looking at my menu and I do not have the RX366. I selected NO for
>> the
>> > RX366 installed, yet the filter lists are at the bottom. They are set to
>> > NONE. I can change the value, but I kept it at NONE. I wonder if the
>> Clear
>> > Memories and Clear filters option should be selected as NO and then
>> reload
>> > what is actually installed.
>> >
>> > 73,

>> >
>> > John
>> >
>> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
>> Behalf
>> > Of Barry N1EU
>> > Sent: Monday, February 13, 2012 10:26 AM
>> > To: orion565@yahoogroups.com
>> > Subject: Re: [orion565] Re: v 3.025 on my 565
>> >
>> >
>> > Look on the Filter Menu. Do you see three slots listed on the bottom for
>> > the RX366 subreceiver? If so, the firmware thinks you said "yes" to
>> RX366
>> > installation. If that's the case, perhaps the firmware isn't detecting
>> the
>> > "No" button press correctly.
>> >
>> > Barry N1EU
>> >
>> > On Mon, Feb 13, 2012 at 3:22 PM, Larry Menzel <retire@...
>> > <mailto:retire%40means.net> > wrote:
>> >
>> > > Hi, Alan,
>> > >
>> > > I wish it was true that I had "mispushed" the button, but I didn't. I
>> > > followed all instructions to the letter, and answered NO to the
>> installed
>> > > rx question. So unless the firmware is lying to me (yes is no and no
>> is
>> > > yes!) then that's not the problem.
>> > >
>> > > That does not explain why the receiver works at some times, and not at
>> > > others. Just now, I was listening on 75 and the receiver was not
>> working.
>> > > I switched to 20 meters, and it started working! I switched back to 75
>> > LSB
>> > > and now it is working here as well.
>> > >
>> > > See, not at all how it's supposed to work. Very strange.
>> > >
>> > > Larry, W0PR
>> > >
>> > >
>> > > On Mon, Feb 13, 2012 at 7:01 AM, force2ak <force2ak@...
>> > <mailto:force2ak%40yahoo.com> > wrote:
>> > >
>> > > > **
>> > > >
>> > > >

>> > > > Larry, Are you doing the ram reset and the master reset after
>> > > > you install the new firmware.
>> > > > also at the time of ram reset the question is asked if you have the
>> new
>> > > > RX366 receiver board if you answer YES that is the reason you
>> > > > cant receive on the sub receiver, because that board is not
>> installed.
>> > > > go do another ram reset after you install the new firware and take
>> > > > a good look at the questions asked.
>> > > >
>> > > > Regards Alan - AK8S
>> > > >
>> > > >
>> > > > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>> ,
>> > Larry Menzel <retire@...> wrote:
>> > > > >
>> > > > > Guys,
>> > > > >
>> > > > > I'm having a duece of a time with my second receiver on my 565.
>> Since
>> > I
>> > > > > loaded 3.025 it's intermittent. Sometime when I turn it up, it's
>> > there
>> > > > and
>> > > > > sometimes it's not.
>> > > > >
>> > > > > I reinstalled 2.062a and the receiver works perfectly, so I
>> guess, at
>> > > > least
>> > > > > in my case, it's something to do with the firmware and my radio.
>> > > > >
>> > > > > I have done the switch between version twice now, and each time,
>> > 2.062a
>> > > > > works fine, and 3.025 does not. When it's not working it's just
>> white
>> > > > > noise, no matter how high I turn the gain, there's no signal
>> there. I
>> > > > love
>> > > > > the SAF feature, and sure want to run 3.025 on my radio, but maybe
>> > I'll
>> > > > > have to go back so i have both receivers working.
>> > > > >
>> > > > > Anyone else experiencing this?
>> > > > >
>> > > > > Larry, W0PR
>> > >
>> > [Non-text portions of this message have been removed]
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>> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7796. Orion 565 Battery Replacement with Photos

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-13 17:58:28 UTC
From: Russell Hamilton
Topic: 7796 Message: 7796

I just had to replace my 565 battery. In case you need to replace yours here's some helpful information and photos.

The yellow rectangle on the left of the inside front panel is the battery. Ten Tec said battery colors could vary so yours may be different.

I found it helpful to use an IC extractor to remove the old battery; the replacement battery snaps in with just a little pressure. Observe battery orientation prior to removal and insert the replacement accordingly.

My suggestion is to lay the rig on something soft, remove top and bottom covers, set the radio upside down, remove half the screws holding front panel. Then turn radio right side up and elevate the sides about ¾ inch to give room for the front panel to swing downward and outward. You do not want to move the radio after the front panel has been removed.

Then remove the remaining front panel screws and pull the front panel out carefully.

Observe the yellow battery on the left, it is not necessary to unplug any front panel connections.

Needless to say all your menu settings will be gone, so write them down before battery replacement as necessary.

Upon initial restart I had no audio output until I did a ram and master reset at least twice (possibly three times) before the radio would function normally. I nearly put my finger thru the speaker cone while turning the radio over so be careful handling the radio.

The battery cost was $9.00 plus $3.00 shipping, your mileage may vary, comes to about a dollar a year for memory retention.

[Non-text portions of this message have been removed]

7797. Re: Orion 565 Battery Replacement with Photos

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-13 18:22:58 UTC
From: Russ
Topic: 7796 Message: 7797

Photos can be found in the "Battery Replacement for Orion 565" photo album.

--- In orion565@yahoogroups.com, Russell Hamilton <rusham@...> wrote:
>
> I just had to replace my 565 battery. In case you need to replace yours here's some helpful information and photos.
>
> The yellow rectangle on the left of the inside front panel is the battery. Ten Tec said battery colors could vary so yours may be different.
>
> I found it helpful to use an IC extractor to remove the old battery; the replacement battery snaps in with just a little pressure. Observe battery orientation prior to removal and insert the replacement accordingly.
>
> My suggestion is to lay the rig on something soft, remove top and bottom covers, set the radio upside down, remove half the screws holding front panel. Then turn radio right side up and elevate the sides about Â¾ inch to give room for the front panel to swing downward and outward. You do not want to move the radio after the front panel has been removed.
>
> Then remove the remaining front panel screws and pull the front panel out carefully.
>
> Observe the yellow battery on the left, it is not necessary to unplug any front panel connections.
>
> Needless to say all your menu settings will be gone, so write them down before battery replacement as necessary.
>
> Upon initial restart I had no audio output until I did a ram and master reset at least twice (possibly three times) before the radio would function normally. I nearly put my finger thru the speaker cone while turning the radio over so be careful handling the radio.
>
> The battery cost was $9.00 plus $3.00 shipping, your mileage may vary, comes to about a dollar a year for memory retention.
>
> [Non-text portions of this message have been removed]
>

7798. Re: Orion 565 Battery Replacement with Photos

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-13 18:29:40 UTC
From: pa1ap
Topic: 7796 Message: 7798

Thanks very much for excellent description!

--- In orion565@yahoogroups.com, "Russ" <rusham@...> wrote:
>
> Photos can be found in the "Battery Replacement for Orion 565" photo album.
>
> --- In orion565@yahoogroups.com, Russell Hamilton <rusham@> wrote:
> >
> > I just had to replace my 565 battery. In case you need to replace yours here's some helpful information and photos.
> >
> > The yellow rectangle on the left of the inside front panel is the battery. Ten Tec said battery colors could vary so yours may be different.
> >
> > I found it helpful to use an IC extractor to remove the old battery; the replacement battery snaps in with just a little pressure. Observe battery orientation prior to removal and insert the replacement accordingly.
> >
> > My suggestion is to lay the rig on something soft, remove top and bottom covers, set the radio upside down, remove half the screws holding front panel. Then turn radio right side up and elevate the sides about Â¾ inch to give room for the front panel to swing downward and outward. You do not want to move the radio after the front panel has been removed.
> >
> > Then remove the remaining front panel screws and pull the front panel out carefully.
> >
> > Observe the yellow battery on the left, it is not necessary to unplug any front panel connections.
> >
> > Needless to say all your menu settings will be gone, so write them down before battery replacement as necessary.
> >
> > Upon initial restart I had no audio output until I did a ram and master reset at least twice (possibly three times) before the radio would function normally. I nearly put my finger thru the speaker cone while turning the radio over so be careful handling the radio.
> >
> > The battery cost was $9.00 plus $3.00 shipping, your mileage may vary, comes to about a dollar a year for memory retention.
> >
> > [Non-text portions of this message have been removed]
> >
>

7799. Re: Orion 565 Battery Replacement with Photos

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-14 18:17:18 UTC
From: n4ac
Topic: 7796 Message: 7799

Very timely information, as my replacement battery should arrive either tomorrow or Thursday.

Thanks a bunch!

--- In orion565@yahoogroups.com, Russell Hamilton <rusham@...> wrote:
>
> I just had to replace my 565 battery. In case you need to replace yours here's some helpful information and photos.
>
> The yellow rectangle on the left of the inside front panel is the battery. Ten Tec said battery colors could vary so yours may be different.
>
> I found it helpful to use an IC extractor to remove the old battery; the replacement battery snaps in with just a little pressure. Observe battery orientation prior to removal and insert the replacement accordingly.
>
> My suggestion is to lay the rig on something soft, remove top and bottom covers, set the radio upside down, remove half the screws holding front panel. Then turn radio right side up and elevate the sides about Â¾ inch to give room for the front panel to swing downward and outward. You do not want to move the radio after the front panel has been removed.
>
> Then remove the remaining front panel screws and pull the front panel out carefully.
>
> Observe the yellow battery on the left, it is not necessary to unplug any front panel connections.
>
> Needless to say all your menu settings will be gone, so write them down before battery replacement as necessary.
>
> Upon initial restart I had no audio output until I did a ram and master reset at least twice (possibly three times) before the radio would function normally. I nearly put my finger thru the speaker cone while turning the radio over so be careful handling the radio.
>
> The battery cost was $9.00 plus $3.00 shipping, your mileage may vary, comes to about a dollar a year for memory retention.
>
> [Non-text portions of this message have been removed]
>

7800. OT: OBR 2951 available

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-15 07:51:05 UTC
From: pa1ap
Topic: 7800 Message: 7800

Greetings,

Some minor changes to the program which might be of use;

1- additional validation of backup sequence
2- v3 error backup settings can now be restored into v2 orion. the restore function will skip the v3 specific objects and hence not send them to v2 orion.
3- included 5 seconds timeout in case communication fails.
4- tested with v2 and v3 latest beta code and all seems to work smooth

OBR setup 2951 standard.zip
https://www.box.net/shared/gqbhq9ytnu6k470vy4pl

OBR OBR OBR setup 2951 XP special.zip
https://www.box.net/shared/ud2rpm53de946z8ueotj

I had various responses on xp environment. Sometimes it works right away, sometimes one has to ensure windows update is completed prior to installation. I have created a new package using 4.x net and 3.1 installer which should make this a smooth ride too... please send me email hown it went?

Best regards, onno

7801. OT: OBR 2951 available

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-15 21:03:02 UTC
From: pa1ap
Topic: 7800 Message: 7801

Greetings,

Some minor changes to the program which might be of use;

1- additional validation of backup sequence
2- v3 error backup settings can now be restored into v2 orion. the restore function will skip the v3 specific objects and hence not send them to v2 orion.
3- included 5 seconds timeout in case communication fails.
4- tested with v2 and v3 latest beta code and all seems to work smooth

OBR setup 2951 standard.zip
https://www.box.net/shared/gqbhq9ytnu6k470vy4pl

OBR OBR OBR setup 2951 XP special.zip
https://www.box.net/shared/ud2rpm53de946z8ueotj

I had various responses on xp environment. Sometimes it works right away, sometimes one has to ensure windows update is completed prior to installation. I have created a new package using 4.x net and 3.1 installer which should make this a smooth ride too... please send me email hown it went?

Best regards, onno

7802. Re: Orion 565 no power output on startup

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-16 00:16:33 UTC
From: Russ
Topic: 7745 Message: 7802

PROBLEM SOLVED!

Turned out to be caused by a failing (but still operational) A9 card. Ten Tec said the Orion is very sensitive to ripple. Signs of A9 failure were one of three well-known capacitors having a slightly bulging top and being warm to the touch. Definitely a no-no according to Paul at Ten Tec. Had I not recently replaced the battery, it too would have been suspect, because at the point of failure Paul said it can cause similar events. My 565 was built in 2004, so the card provided about eight years of daily service, to offer an idea of how long your A9 may last.

Russ, K3RH

--- In orion565r@yahoogroups.com, "Russ" <rusham@...> wrote:
>
> When I initially power up my 565 after being off for a few hours there is no RF power output in any mode. The output meter shows normal values and the red led is on, and there is the normal indicated power increase when pressing PWR after having pressed TUNE but no actual power output.
>
> Through experimentation I have discovered that normal RF output will return if I either turn the 565 off and on again, or if I change bands. It doesn't matter which band is the initial band nor which I switch to.
>
> This problem began a few weeks ago under v2. I've since installed v3 and done all the ram and master resets. As a first step I replaced the battery which didn't help. I've reloaded v3 to no effect. I've switched antenna ports from one to two with no effect.
>
> I cannot detect any other unusual operation to further localize the problem. I have checked the DC power connector and it is good. The antenna is good.
>
> Suggestions anybody? Thanks for your help.
>
> 73, Russ
>

7803. Wanted: 300hz Filter (Orion II, Eagle)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-16 00:43:59 UTC
From: Barry N1EU
Topic: 7803 Message: 7803

I'm looking for the Ten-Tec 300hz filter that's used in the Orion II and Eagle. Will pay cash or trade my 250hz Inrad filter.

73,
Barry N1EU

[Non-text portions of this message have been removed]

7804. Re: [orion565] Re: Orion 565 no power output on startup

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-16 20:20:04 UTC
From: Adi Toplician
Topic: 7745 Message: 7804

Hello

I have some problem with my A9 card also. What will be the price of a new
A9 card?

73! Adi
YO2LIW

On Thu, Feb 16, 2012 at 2:16 AM, Russ <rusham@...> wrote:

> **
>
>
>
> PROBLEM SOLVED!
>
> Turned out to be caused by a failing (but still operational) A9 card. Ten
> Tec said the Orion is very sensitive to ripple. Signs of A9 failure were
> one of three well-known capacitors having a slightly bulging top and being
> warm to the touch. Definitely a no-no according to Paul at Ten Tec. Had I
> not recently replaced the battery, it too would have been suspect, because
> at the point of failure Paul said it can cause similar events. My 565 was
> built in 2004, so the card provided about eight years of daily service, to
> offer an idea of how long your A9 may last.
>
> Russ, K3RH
>
> --- In orion565r@yahoogroups.com, "Russ" <rusham@...> wrote:
> >
> > When I initially power up my 565 after being off for a few hours there
> is no RF power output in any mode. The output meter shows normal values and
> the red led is on, and there is the normal indicated power increase when
> pressing PWR after having pressed TUNE but no actual power output.
> >
> > Through experimentation I have discovered that normal RF output will
> return if I either turn the 565 off and on again, or if I change bands. It
> doesn't matter which band is the initial band nor which I switch to.
> >
> > This problem began a few weeks ago under v2. I've since installed v3 and
> done all the ram and master resets. As a first step I replaced the battery
> which didn't help. I've reloaded v3 to no effect. I've switched antenna
> ports from one to two with no effect.
> >
> > I cannot detect any other unusual operation to further localize the
> problem. I have checked the DC power connector and it is good. The antenna
> is good.

> >
> > Suggestions anybody? Thanks for your help.
> >
> > 73, Russ
> >
>
>
>

--
==========
Adrian Toplician
0721 367 850
Timisoara
YO2LIW

[Non-text portions of this message have been removed]

7805. Re: [orion565] Re: Orion 565 no power output on startup

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-16 22:50:58 UTC
From: Adi Toplician
Topic: 7745 Message: 7805

Thank you Mike,

but I wasn't so lucky, hi.

I replace them (C6, C7, C9) with low ESR, 105dg and when I power up the rig display was dark and no audio. Measure the voltages: 13.8V present but no 5V (only 0.5V) and no -20V (-3V or something) so I suspect either LT1054CS8 is dead or maybe another capacitor or diode defective. Q4, Q5 are fine. Now I am looking for an LT1054CS8.

I wonder if anyone experience such behavior after capacitors replacement?

73! Adi
yo2liw

On Thu, Feb 16, 2012 at 11:38 PM, Mike K9UW <k9uw@...> wrote:

> Hello, Adi!
>
> You do not need to buy a new board - the problem is caused by faulure of
> capacitors on the A9 board and you can replace them yourself.
>
> Here are some links to information:
>
> http://www.n6ie.com/A9_Fix.html
>
> http://tentecwiki.org/doku.php?id=565pwrdistfail
>
> I hope this is helpful to you.
>
> 73, de Mike, K9UW
> Amherst, WI
>
>
> On Thu, 16 Feb 2012 22:20:04 +0200, Adi Toplician <adi.top@...>
> wrote:
> > Hello
> >
> > I have some problem with my A9 card also. What will be the price of a
> new
> > A9 card?
> >
> > 73! Adi
> > YO2LIW
> >
> >

> > On Thu, Feb 16, 2012 at 2:16 AM, Russ <rusham@...> wrote:
> >
> >> **
> >>
> >>
> >>
> >> PROBLEM SOLVED!
> >>
> >> Turned out to be caused by a failing (but still operational) A9 card.
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> >> Tec said the Orion is very sensitive to ripple. Signs of A9 failure
> were
> >> one of three well-known capacitors having a slightly bulging top and
> >> being
> >> warm to the touch. Definitely a no-no according to Paul at Ten Tec. Had
> I
> >> not recently replaced the battery, it too would have been suspect,
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> >> at the point of failure Paul said it can cause similar events. My 565
> was
> >> built in 2004, so the card provided about eight years of daily service,
> >> to
> >> offer an idea of how long your A9 may last.
> >>
> >> Russ, K3RH
> >>
> >> --- In orion565r@yahoogroups.com, "Russ" <rusham@...> wrote:
> >> >
> >> > When I initially power up my 565 after being off for a few hours
> there
> >> is no RF power output in any mode. The output meter shows normal values
> >> and
> >> the red led is on, and there is the normal indicated power increase
> when
> >> pressing PWR after having pressed TUNE but no actual power output.
> >> >
> >> > Through experimentation I have discovered that normal RF output will
> >> return if I either turn the 565 off and on again, or if I change bands.
> >> It
> >> doesn't matter which band is the initial band nor which I switch to.
> >> >
> >> > This problem began a few weeks ago under v2. I've since installed v3
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> >> done all the ram and master resets. As a first step I replaced the
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> >> > I cannot detect any other unusual operation to further localize the
> >> problem. I have checked the DC power connector and it is good. The

> >> antenna
> >> is good.
> >> >
> >> > Suggestions anybody? Thanks for your help.
> >> >
> >> > 73, Russ
> >> >
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==========
Adrian Toplician
0721 367 850
Timisoara
YO2LIW

[Non-text portions of this message have been removed]

7806. Re: [orion565] Re: Orion 565 no power output on startup

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-16 23:47:35 UTC
From: Sam W Jacobs CET
Topic: 7745 Message: 7806

Not sure what they cost however for a few dollars you can repair it yourself. 98% of all failures are due to those 470uF caps. Just swap them out and plug back in.

73,
Sam
K3SAM

_____
From: Adi Toplician <adi.top@...>
To: orion565@yahoogroups.com
Sent: Thursday, February 16, 2012 3:20 PM
Subject: Re: [orion565] Re: Orion 565 no power output on startup

Hello

I have some problem with my A9 card also. What will be the price of a new
A9 card?

73! Adi
YO2LIW

On Thu, Feb 16, 2012 at 2:16 AM, Russ <rusham@...> wrote:

> **
>
>
>
> PROBLEM SOLVED!
>
> Turned out to be caused by a failing (but still operational) A9 card. Ten
> Tec said the Orion is very sensitive to ripple. Signs of A9 failure were
> one of three well-known capacitors having a slightly bulging top and being
> warm to the touch. Definitely a no-no according to Paul at Ten Tec. Had I
> not recently replaced the battery, it too would have been suspect, because
> at the point of failure Paul said it can cause similar events. My 565 was
> built in 2004, so the card provided about eight years of daily service, to
> offer an idea of how long your A9 may last.
>
> Russ, K3RH
>
> --- In orion565r@yahoogroups.com, "Russ" <rusham@...> wrote:
> >
> > When I initially power up my 565 after being off for a few hours there
> is no RF power output in any mode. The output meter shows normal values and
> the red led is on, and there is the normal indicated power increase when
> pressing PWR after having pressed TUNE but no actual power output.
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> > Through experimentation I have discovered that normal RF output will
> return if I either turn the 565 off and on again, or if I change bands. It
> doesn't matter which band is the initial band nor which I switch to.
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> > This problem began a few weeks ago under v2. I've since installed v3 and
> done all the ram and master resets. As a first step I replaced the battery
> which didn't help. I've reloaded v3 to no effect. I've switched antenna
> ports from one to two with no effect.
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> > I cannot detect any other unusual operation to further localize the
> problem. I have checked the DC power connector and it is good. The antenna
> is good.
> >
> > Suggestions anybody? Thanks for your help.
> >
> > 73, Russ
> >
>
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>

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==========
Adrian Toplician
0721 367 850
Timisoara
YO2LIW

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

7807. Re: [orion565] Re: Orion 565 no power output on startup

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-17 00:17:20 UTC
From: Adi Toplician
Topic: 7745 Message: 7807

Thank's Sam

caps replacement bring some weird behavior. No 5V (only 0.5V) and -3V instead of -20V. I guess LT1054CS8 is defective also.

I don't know if anyone experience such behavior after caps replacement.

All the best!

73! Adi
yo2liw

On Fri, Feb 17, 2012 at 1:47 AM, Sam W Jacobs CET <Sam@k3sam.com> wrote:

> **
>
>
> Not sure what they cost however for a few dollars you can repair it
> yourself. 98% of all failures are due to those 470uF caps. Just swap them
> out and plug back in.
>
> 73,
> Sam
> K3SAM
>
> _____
> From: Adi Toplician <adi.top@...>
> To: orion565@yahoogroups.com
> Sent: Thursday, February 16, 2012 3:20 PM
> Subject: Re: [orion565] Re: Orion 565 no power output on startup
>
>
> Hello
>
> I have some problem with my A9 card also. What will be the price of a new
> A9 card?
>
> 73! Adi
> YO2LIW
>
> On Thu, Feb 16, 2012 at 2:16 AM, Russ <rusham@...> wrote:
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> > **
>
> >
> >

> >
> > PROBLEM SOLVED!
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> > Turned out to be caused by a failing (but still operational) A9 card. Ten
> > Tec said the Orion is very sensitive to ripple. Signs of A9 failure were
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> > at the point of failure Paul said it can cause similar events. My 565 was
> > built in 2004, so the card provided about eight years of daily service,
> to
> > offer an idea of how long your A9 may last.
> >
> > Russ, K3RH
> >
> > --- In orion565r@yahoogroups.com, "Russ" <rusham@...> wrote:
> > >
> > > When I initially power up my 565 after being off for a few hours there
> > is no RF power output in any mode. The output meter shows normal values
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> > the red led is on, and there is the normal indicated power increase when
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> > > I cannot detect any other unusual operation to further localize the
> > problem. I have checked the DC power connector and it is good. The
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> > is good.
> > >
> > > Suggestions anybody? Thanks for your help.
> > >
> > > 73, Russ
> > >
> >
> >
> >
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> --
> ==========
> Adrian Toplician
> 0721 367 850
> Timisoara
> YO2LIW
>
> [Non-text portions of this message have been removed]
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>
> Yahoo! Groups Links
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> [Non-text portions of this message have been removed]
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==========
Adrian Toplician
0721 367 850
Timisoara
YO2LIW

[Non-text portions of this message have been removed]

7808. Re: Orion 565 no power output on startup

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-17 06:11:29 UTC
From: pa1ap
Topic: 7745 Message: 7808

Are you sure you have mounted the capacitors with correct polarisation? It is easy mistake to make and might explain the problem you see.... best regards, onno
--- In orion565@yahoogroups.com, Adi Toplician <adi.top@...> wrote:
>
> Thank's Sam
>
> caps replacement bring some weird behavior. No 5V (only 0.5V) and -3V
> instead of -20V. I guess LT1054CS8 is defective also.
>
> I don't know if anyone experience such behavior after caps replacement.
>
> All the best!
>
> 73! Adi
> yo2liw
>
> On Fri, Feb 17, 2012 at 1:47 AM, Sam W Jacobs CET <Sam@...> wrote:
>
> > **
> > >
> > >
> > Not sure what they cost however for a few dollars you can repair it
> > yourself. 98% of all failures are due to those 470uF caps. Just swap them
> > out and plug back in.
> > >
> > 73,
> > Sam
> > K3SAM
> > >
> > _____
> > From: Adi Toplician <adi.top@...>
> > To: orion565@yahoogroups.com
> > Sent: Thursday, February 16, 2012 3:20 PM
> > Subject: Re: [orion565] Re: Orion 565 no power output on startup
> > >
> > >
> > Hello
> > >
> > I have some problem with my A9 card also. What will be the price of a new
> > A9 card?
> > >
> > 73! Adi
> > YO2LIW
> > >
> > On Thu, Feb 16, 2012 at 2:16 AM, Russ <rusham@...> wrote:

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> > > **
> >
> > >
> > >
> > >
> > > PROBLEM SOLVED!
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> > > built in 2004, so the card provided about eight years of daily service,
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> > > offer an idea of how long your A9 may last.
> > >
> > > Russ, K3RH
> > >
> > > --- In orion565r@yahoogroups.com, "Russ" <rusham@> wrote:
> > > >
> > > > When I initially power up my 565 after being off for a few hours there
> > > is no RF power output in any mode. The output meter shows normal values
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> > > the red led is on, and there is the normal indicated power increase when
> > > pressing PWR after having pressed TUNE but no actual power output.
> > > >
> > > > Through experimentation I have discovered that normal RF output will
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> > > done all the ram and master resets. As a first step I replaced the
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> > > > 73, Russ

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> > --
> > ==========
> > Adrian Toplician
> > 0721 367 850
> > Timisoara
> > YO2LIW
> >
> > [Non-text portions of this message have been removed]
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> > Yahoo! Groups Links
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> --
> ==========
> Adrian Toplician
> 0721 367 850
> Timisoara
> YO2LIW
>
>
> [Non-text portions of this message have been removed]
>

7809. Re: Orion 565 no power output on startup

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-17 06:12:03 UTC
From: pa1ap
Topic: 7745 Message: 7809

Are you sure you have mounted the capacitors with correct polarisation? It is easy mistake to make and might explain the problem you see.... best regards, onno
--- In orion565@yahoogroups.com, Adi Toplician <adi.top@...> wrote:
>
> Thank's Sam
>
> caps replacement bring some weird behavior. No 5V (only 0.5V) and -3V
> instead of -20V. I guess LT1054CS8 is defective also.
>
> I don't know if anyone experience such behavior after caps replacement.
>
> All the best!
>
> 73! Adi
> yo2liw
>
> On Fri, Feb 17, 2012 at 1:47 AM, Sam W Jacobs CET <Sam@...> wrote:
>
> > **
> > >
> > >
> > Not sure what they cost however for a few dollars you can repair it
> > yourself. 98% of all failures are due to those 470uF caps. Just swap them
> > out and plug back in.
> > >
> > 73,
> > Sam
> > K3SAM
> > >
> > _____
> > From: Adi Toplician <adi.top@...>
> > To: orion565@yahoogroups.com
> > Sent: Thursday, February 16, 2012 3:20 PM
> > Subject: Re: [orion565] Re: Orion 565 no power output on startup
> > >
> > >
> > Hello
> > >
> > I have some problem with my A9 card also. What will be the price of a new
> > A9 card?
> > >
> > 73! Adi
> > YO2LIW
> > >
> > On Thu, Feb 16, 2012 at 2:16 AM, Russ <rusham@...> wrote:

> >
> > > **
> >
> > >
> > >
> > >
> > > PROBLEM SOLVED!
> > >
> > > Turned out to be caused by a failing (but still operational) A9 card. Ten
> > > Tec said the Orion is very sensitive to ripple. Signs of A9 failure were
> > > one of three well-known capacitors having a slightly bulging top and
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> > > warm to the touch. Definitely a no-no according to Paul at Ten Tec. Had I
> > > not recently replaced the battery, it too would have been suspect,
> > because
> > > at the point of failure Paul said it can cause similar events. My 565 was
> > > built in 2004, so the card provided about eight years of daily service,
> > to
> > > offer an idea of how long your A9 may last.
> > >
> > > Russ, K3RH
> > >
> > > --- In orion565r@yahoogroups.com, "Russ" <rusham@> wrote:
> > > >
> > > > When I initially power up my 565 after being off for a few hours there
> > > is no RF power output in any mode. The output meter shows normal values
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> > > the red led is on, and there is the normal indicated power increase when
> > > pressing PWR after having pressed TUNE but no actual power output.
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> > > > Through experimentation I have discovered that normal RF output will
> > > return if I either turn the 565 off and on again, or if I change bands.
> > It
> > > doesn't matter which band is the initial band nor which I switch to.
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> > > > This problem began a few weeks ago under v2. I've since installed v3
> > and
> > > done all the ram and master resets. As a first step I replaced the
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> > > > I cannot detect any other unusual operation to further localize the
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> > > > 73, Russ

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> > --
> > ==========
> > Adrian Toplician
> > 0721 367 850
> > Timisoara
> > YO2LIW
> >
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> > Yahoo! Groups Links
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> ==========
> Adrian Toplician
> 0721 367 850
> Timisoara
> YO2LIW
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>
> [Non-text portions of this message have been removed]
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7810. Re: [orion565] Re: Orion 565 no power output on startup

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-17 08:54:23 UTC
From: Adi Toplician
Topic: 7745 Message: 7810

Yes, the polarization is correct, thank you!

73! Adi

On Fri, Feb 17, 2012 at 8:12 AM, pa1ap <pa1ap@...> wrote:

> **
>
>
> Are you sure you have mounted the capacitors with correct polarisation? It
> is easy mistake to make and might explain the problem you see.... best
> regards, onno
> --- In orion565@yahoogroups.com, Adi Toplician <adi.top@...> wrote:
> >
> > Thank's Sam
> >
> > caps replacement bring some weird behavior. No 5V (only 0.5V) and -3V
> > instead of -20V. I guess LT1054CS8 is defective also.
> >
> > I don't know if anyone experience such behavior after caps replacement.
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> > All the best!
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> > 73! Adi
> > yo2liw
> >
> > On Fri, Feb 17, 2012 at 1:47 AM, Sam W Jacobs CET <Sam@...> wrote:
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> > > **
>
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> > >
> > > Not sure what they cost however for a few dollars you can repair it
> > > yourself. 98% of all failures are due to those 470uF caps. Just swap
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> > > out and plug back in.
> > >
> > > 73,
> > > Sam
> > > K3SAM
> > >
> > > _____
> > > From: Adi Toplician <adi.top@...>
>
> > > To: orion565@yahoogroups.com
> > > Sent: Thursday, February 16, 2012 3:20 PM

> > > Subject: Re: [orion565] Re: Orion 565 no power output on startup
> > >
> > >
> > > Hello
> > >
> > > I have some problem with my A9 card also. What will be the price of a
> new
> > > A9 card?
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> > > 73! Adi
> > > YO2LIW
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> > > On Thu, Feb 16, 2012 at 2:16 AM, Russ <rusham@...> wrote:
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> > > > **
> > >
> > > >
> > > >
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> > > > PROBLEM SOLVED!
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> > > > Turned out to be caused by a failing (but still operational) A9
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> > > > Russ, K3RH
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> > > > --- In orion565r@yahoogroups.com, "Russ" <rusham@> wrote:
> > > > >
> > > > > When I initially power up my 565 after being off for a few hours
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> > > and
> > > > the red led is on, and there is the normal indicated power increase
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> > > > pressing PWR after having pressed TUNE but no actual power output.

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> > > > > This problem began a few weeks ago under v2. I've since installed
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> > > > > 73, Russ
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> > >
> > > --
> > > ==========
> > > Adrian Toplician
> > > 0721 367 850
> > > Timisoara
> > > YO2LIW
> > >
> > > [Non-text portions of this message have been removed]
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> > > Yahoo! Groups Links
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> > --
> > ==========
> > Adrian Toplician
> > 0721 367 850
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> > [Non-text portions of this message have been removed]
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Adrian Toplician
0721 367 850
Timisoara
YO2LIW

[Non-text portions of this message have been removed]

7811. RX366 disappeared

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-17 11:06:52 UTC
From: udas2003
Topic: 7811 Message: 7811

RX366 sub-receiver plate disappeared from TENTEC site!
Any comments?

7812. Re: Orion 565 no power output on startup

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-17 14:13:27 UTC
From: Russell Hamilton
Topic: 7745 Message: 7812

Ten Tec sells new A9 boards with upgraded caps for $51.18 USD plus shipping.

7813. 565 board pictures album

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-17 16:30:17 UTC
From: Martin Sole
Topic: 7813 Message: 7813

As our 565's get older, not that it's ever a problem being Ten Tec, the reality is of course that more issues may arise. Right now I am reworking a failed power connector on the A0 board and took the opportunity of taking a couple of pictures of the front and back of the board. Posted them to an album on the site page and hopefully if you have any to add you can put them in here in the hope we should in time have pictures of all Orion boards which might help with future trouble shooting (If only we could get the board layouts posted). No I'm not pulling the whole radio apart just to take pictures! I'm sure others have a picture or 2 to add here.

Album is under photos and named 565 boards.

Regards

Martin, HS0ZED

[Non-text portions of this message have been removed]

7814. Re: [orion565] 565 board pictures album

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-17 16:38:40 UTC
From: Barry N1EU
Topic: 7813 Message: 7814

Great idea Martin!

I will mirror the photos on the Ten-Tec Wiki when i get a chance.

Barry N1EU

On Fri, Feb 17, 2012 at 4:30 PM, Martin Sole <hs0zed@...> wrote:

> **
>
>
> As our 565's get older, not that it's ever a problem being Ten Tec, the
> reality is of course that more issues may arise. Right now I am reworking a
> failed power connector on the A0 board and took the opportunity of taking a
> couple of pictures of the front and back of the board. Posted them to an
> album on the site page and hopefully if you have any to add you can put
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> in here in the hope we should in time have pictures of all Orion boards
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> take
> pictures! I'm sure others have a picture or 2 to add here.
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> Album is under photos and named 565 boards.
>
> Regards
>
> Martin, HS0ZED
>
> [Non-text portions of this message have been removed]
>
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[Non-text portions of this message have been removed]

7815. Item for Firmware Update (3.027 or later)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-17 17:47:12 UTC
From: gmday2
Topic: 7815 Message: 7815

Hi All,

I recall reading a message on the TenTec Wiki (http://tentecwiki.org/doku.php?id=565hilowcut) regarding a problem with the opertion of the HI CUT control not updating the PBT value on the display, according to Scott Robbins. Only the BW value changes. The PBT value does update properly with LO CUT, though. Here is the quote from the Wiki:

"The PBT and BW values are supposed to update on screen graphics and text - unfortunately compounding the confusion is a bug that is present when HI CUT is adjusted. LO CUT shows the adjustment of PBT and BW values simultaneously, while HI CUT only shows the BW update, not the PBT value. This needs to be corrected.

Scott Robbins, W4PA "

I know John Henry reads this Yahoo Group, so I am requesting that this correction be made in the firmware before it is released. It's not a problem with the actual operation or performance of the transceiver, but comes more under the screen display fixes, and I notice the V3.026 (and I presume 3.025 for the original Orion) still exhibit this (incorrect) issue.

Thanks & 73,

Greg
N8GD

7816. RE: [orion565] 565 board pictures album

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-17 18:43:30 UTC
From: John Hudson
Topic: 7813 Message: 7816

I just uploaded a few pics I took when I replaced the caps on the A9 board in July 2009. They are in the photos under <http://groups.yahoo.com/group/orion565/photos/album/1929925813/pic/list> KO4XJ A9 Board You can see the slight bulge in one of the caps and another pic show the new values and the size different in the caps that TT sent me.

It's an easy job.

73

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Martin Sole
Sent: Friday, February 17, 2012 10:30 AM
To: orion565@yahoogroups.com
Subject: [orion565] 565 board pictures album

As our 565's get older, not that it's ever a problem being Ten Tec, the reality is of course that more issues may arise. Right now I am reworking a failed power connector on the A0 board and took the opportunity of taking a couple of pictures of the front and back of the board. Posted them to an album on the site page and hopefully if you have any to add you can put them in here in the hope we should in time have pictures of all Orion boards which might help with future trouble shooting (If only we could get the board layouts posted). No I'm not pulling the whole radio apart just to take pictures! I'm sure others have a picture or 2 to add here.

Album is under photos and named 565 boards.

Regards

Martin, HS0ZED

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7817. Power connector pics

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-17 19:12:44 UTC
From: John Hudson
Topic: 7817 Message: 7817

While I was uploading the A9 pictures I went ahead and upload the pictures I took when I replaced the Molex connector for the 12V power. It was the culprit that cause the rig to reboot when transmitting. The pins were loose and arched. I hardwired a power cord to the board and it's been fine since 2008

John

KO4XJ

[Non-text portions of this message have been removed]

7818. Re: Item for Firmware Update (3.027 or later)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-17 22:05:57 UTC
From: John
Topic: 7815 Message: 7818

Hi Greg,

Thanks for letting me know. I'll add this to the list.
I'm going to make a second post on the status where we are, so that people know.

Thanks,
John Henry

--- In orion565@yahoogroups.com, "gmday2" <gmday@...> wrote:
>
> Hi All,
>
> I recall reading a message on the TenTec Wiki (http://tentecwiki.org/doku.php?id=565hilowcut) regarding a problem with the opertion of the HI CUT control not updating the PBT value on the display, according to Scott Robbins. Only the BW value changes. The PBT value does update properly with LO CUT, though. Here is the quote from the Wiki:
>
> "The PBT and BW values are supposed to update on screen graphics and text - unfortunately compounding the confusion is a bug that is present when HI CUT is adjusted. LO CUT shows the adjustment of PBT and BW values simultaneously, while HI CUT only shows the BW update, not the PBT value. This needs to be corrected.
>
> Scott Robbins, W4PA "
>
> I know John Henry reads this Yahoo Group, so I am requesting that this correction be made in the firmware before it is released. It's not a problem with the actual operation or performance of the transceiver, but comes more under the screen display fixes, and I notice the V3.026 (and I presume 3.025 for the original Orion) still exhibit this (incorrect) issue.
>
> Thanks & 73,
>
> Greg
> N8GD
>

7820. Re: [orion565] Orion Beta Firmware and V3 Status

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-18 00:35:48 UTC
From: Fernando
Topic: 7819 Message: 7820

Excellent as usual.

Can a Zero Beat Indicator annunciator be squeezed in :-)

Fernando N2FQ/6
n2fq@...

On Feb 17, 2012, at 2:06 PM, John wrote:

> The reason for this posting is for two reasons.

[Non-text portions of this message have been removed]

7821. Re: [orion565] RX366 disappeared

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-18 00:56:57 UTC
From: K Van Horn
Topic: 7811 Message: 7821

I have no official way of knowing, but this would seem to indicate that they have sold out of their present stock of the deluxe sub-receivers. I would imagine that as soon as they build and test more of the RX366 subreceivers, they will again post them for sale. Ten Tec is a very ethical, customer driven company and there is no doubt in my mind that this is how they would do business as opposed to the people who would not admit that an item was currently not available but would keep your credit card tied up anyway. My hat is off to the GREAT people of Ten Tec!!
Kirby, K7EC

From: udas2003
Sent: 17 February, 2012 04:06
To: orion565@yahoogroups.com
Subject: [orion565] RX366 disappeared

RX366 sub-receiver plate disappeared from TENTEC site!
Any comments?

[Non-text portions of this message have been removed]

7822. Re: RX366 disappeared

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-18 01:56:11 UTC
From: Bill
Topic: 7811 Message: 7822

They (John Henry I believe) made an official announcement yesterday on this very reflector that they has completely sold out of the first production build....

73, Bill - K8WAW

--- In orion565@yahoogroups.com, "K Van Horn" <k7ec@...> wrote:
>
> I have no official way of knowing, but this would seem to indicate that they have sold out of their present stock of the deluxe sub-receivers. I would imagine that as soon as they build and test more of the RX366 subreceivers, they will again post them for sale. Ten Tec is a very ethical, customer driven company and there is no doubt in my mind that this is how they would do business as opposed to the people who would not admit that an item was currently not available but would keep your credit card tied up anyway. My hat is off to the GREAT people of Ten Tec!!
> Kirby, K7EC
>
> From: udas2003
> Sent: 17 February, 2012 04:06
> To: orion565@yahoogroups.com
> Subject: [orion565] RX366 disappeared
>
>
> RX366 sub-receiver plate disappeared from TENTEC site!
> Any comments?
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

7823. RE: [orion565] Re: RX366 disappeared

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-18 02:10:02 UTC
From: Duane Calvin
Topic: 7811 Message: 7823

Having sold out the first production run would be a poor reason for them to disappear off the web site. I suspect it is another reason, because a sure way to not sell something is to leave it off the web. I'm sure they would tell callers they are taking orders for the second run.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Bill
Sent: Friday, February 17, 2012 7:56 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: RX366 disappeared

They (John Henry I believe) made an official announcement yesterday on this very reflector that they has completely sold out of the first production build....

73, Bill - K8WAW

--- In orion565@yahoogroups.com, "K Van Horn" <k7ec@...> wrote:
>
> I have no official way of knowing, but this would seem to indicate that they have sold out of their present stock of the deluxe sub-receivers. I would imagine that as soon as they build and test more of the RX366 subreceivers, they will again post them for sale. Ten Tec is a very ethical, customer driven company and there is no doubt in my mind that this is how they would do business as opposed to the people who would not admit that an item was currently not available but would keep your credit card tied up anyway. My hat is off to the GREAT people of Ten Tec!!
> Kirby, K7EC
>
> From: udas2003
> Sent: 17 February, 2012 04:06
> To: orion565@yahoogroups.com
> Subject: [orion565] RX366 disappeared
>
>
> RX366 sub-receiver plate disappeared from TENTEC site!
> Any comments?
>

>
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>
>
> [Non-text portions of this message have been removed]
>

Yahoo! Groups Links

7827. Re: Orion Beta Firmware and V3 Status

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-18 04:53:29 UTC
From: floydsense
Topic: 7819 Message: 7827

<<snip>>
> - The "S" text in "SAF" can get partially corrupted when RIT is engaged and adjusted.
>

John - I just installed the beta level on my Orion II. Did the ram clear and reset. The first half of the S in SAF still disappears when I turn on RIT with the RIT button.

73, Floyd - K8AC

7828. Re: Orion Beta Firmware and V3 Status

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-18 08:43:52 UTC
From: pa1ap
Topic: 7819 Message: 7828

Hello Floyd,

I believe thats what john ment in the text you refer too.... the rit /saf display error is not resolved in 3027.

Tentec and beta team testing day and night the latest firmware and so far very good results.

Best regards, onno

--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
>
> <<snip>>
> > - The "S" text in "SAF" can get partially corrupted when RIT is engaged and adjusted.
> >
>
> John - I just installed the beta level on my Orion II. Did the ram clear and reset. The first half of the S in SAF still disappears when I turn on RIT with the RIT button.
>
> 73, Floyd - K8AC
>

7829. Re: Orion Beta Firmware and V3 Status

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-18 12:49:23 UTC
From: floydsense
Topic: 7819 Message: 7829

OK. Guess I missed the embedded line that identified the last couple of fixes as in the 565 code only.

Floyd

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Hello Floyd,
>
> I believe thats what john ment in the text you refer too.... the rit /saf display error is not resolved in 3027.
>
> Tentec and beta team testing day and night the latest firmware and so far very good results.
>
> Best regards, onno
>
>
> --- In orion565@yahoogroups.com, "floydsense" floyd@ wrote:
> >
> >
> > <<snip>>
> > > - The "S" text in "SAF" can get partially corrupted when RIT is engaged and adjusted.
> > >
> >
> > John - I just installed the beta level on my Orion II. Did the ram clear and reset. The first half of the S in SAF still disappears when I turn on RIT with the RIT button.
> >
> > 73, Floyd - K8AC
> >
>

7830. Re: Orion Beta Firmware and V3 Status

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-18 16:52:41 UTC
From: ve7tk
Topic: 7819 Message: 7830

Art your comment on 5:00pm on a Friday is only half the story.

It is now 9:45am on Saturday morning here on the west coast. I awoke to find that John and Gary had posted the latest version for the Beta testers couple of hours ago! Yes on a Saturday morning!

The communication by Ten-Tec is excellent BUT the effort behind the scenes by Ten-Tec is also amazing.

73, Rick
VE7TK

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:
>
>
> Thanks to John and all the testers. I can't imagine having this sort of direct communication on a daily basis (especially at 5:00 on a Friday afternoon) with any of the Japanese manufacturers. This above most all else will keep me as a Ten Tec customer for a long time!
>
> Art N4UC
> Huntsville, AL
>
>

7831. RE: [orion565] Re: Orion Beta Firmware and V3 Status

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-19 03:23:51 UTC
From: art davis
Topic: 7819 Message: 7831

Thank you Rick for giving credit where credit is certainly due!

To: orion565@yahoogroups.com
From: ve7tk@...
Date: Sat, 18 Feb 2012 16:52:41 +0000
Subject: [orion565] Re: Orion Beta Firmware and V3 Status

Art your comment on 5:00pm on a Friday is only half the story.

It is now 9:45am on Saturday morning here on the west coast. I awoke to find that John and Gary had posted the latest version for the Beta testers couple of hours ago! Yes on a Saturday morning!

The communication by Ten-Tec is excellent BUT the effort behind the scenes by Ten-Tec is also amazing.

73, Rick

VE7TK

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:

>

>

> Thanks to John and all the testers. I can't imagine having this sort of direct communication on a daily basis (especially at 5:00 on a Friday afternoon) with any of the Japanese manufacturers. This above most all else will keep me as a Ten Tec customer for a long time!

>

> Art N4UC

> Huntsville, AL

>

>

[Non-text portions of this message have been removed]

7832. New 566

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-19 04:34:37 UTC
From: Marty Young
Topic: 7832 Message: 7832

Good evening everyone:

My new Orion II arrived here from TT this past Tuesday. I have a long way to go before I master its real strengths. But I have to tell you something you surely already know, this rig is nothing short of spectacular (using factory defaults)! I can only imagine what's in store once I have some stick time under my belt. I also got the RX366 receiver before they ran out of em. Just under the wire apparently!

Its hooked up to my temporary balanced feed-line multiband dipole right now. I have a KLM KT-34A(M2 retro-fit) and tower project in progress as we speak. Also a Wellbrook 1530 broadband RX loop is on the way. (No real estate for a beverage)

My only wrinkle is that I am going to need a new shack desk as this rig is BIG. I keep looking for the door on it to microwave my sandwich while I'm operating! HI!

73 Marty / W4MY
Zebulon, NC

----------"If a man speaks in the forest and there are no woman around to hear him, is he still wrong?"

[Non-text portions of this message have been removed]

7833. Re: [orion565] Re: Orion Beta Firmware and V3 Status

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-19 11:58:54 UTC
From: Sam W Jacobs CET
Topic: 7819 Message: 7833

Since V3 has already been released, how about releasing the V3 Beta (V3 with repairs) to the public. I can't see any negatives and on the positive side you would be gaining a bigger beta test team for those of us that wish to install it.

Just a thought. I know I would install it.
Thanks and 73,
Sam
K3SAM

From: art davis <n4uc@hotmail.com>
To: orion565@yahoogroups.com
Sent: Saturday, February 18, 2012 10:23 PM
Subject: RE: [orion565] Re: Orion Beta Firmware and V3 Status

Thank you Rick for giving credit where credit is certainly due!

To: orion565@yahoogroups.com
From: ve7tk@...
Date: Sat, 18 Feb 2012 16:52:41 +0000
Subject: [orion565] Re: Orion Beta Firmware and V3 Status

Art your comment on 5:00pm on a Friday is only half the story.

It is now 9:45am on Saturday morning here on the west coast. I awoke to find that John and Gary had posted the latest version for the Beta testers couple of hours ago! Yes on a Saturday morning!

The communication by Ten-Tec is excellent BUT the effort behind the scenes by Ten-Tec is also amazing.

73, Rick

VE7TK

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:

>

>

> Thanks to John and all the testers. I can't imagine having this sort of direct communication on a daily basis (especially at 5:00 on a Friday afternoon) with any of the Japanese manufacturers. This above most all else will keep me as a Ten Tec customer for a long time!

>

> Art N4UC

> Huntsville, AL

>

>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

7834. Re: Orion Beta Firmware and V3 Status

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-19 13:39:26 UTC
From: pa1ap
Topic: 7819 Message: 7834

Ofcourse I cannot speak for tentec and their firmware policy but below my reflection:

John invited people to join the beta test group when v3 development started. As a result there is a group of beta testers with various backgrounds involved (contesters, audio fantatics, software developers etc.), digging into root cause analysis for problems found in beta versions. The aim is to iron out the firmware prior to releasing it to the public. High participation of the beta members combined with confidentiality on findings allows tt and beta testers to work together more effective.

Just looking at the firmware reference number already shows the amount of work which took place since V3 started. This is where the dilemma starts... just releasing firmware to the public might look cool but how to process all the findings? How to connect findings to common root causes? How to investigate and interpret all comments? This versus organizing smal and dedicated beta team which would make it easier to connect to root cause etc..

Anyway, above is my personal view as beta member. now back to the shack testing the latest firmware...

Best regards, onno

--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> Since V3 has already been released, how about releasing the V3 Beta (V3 with repairs) to the public. I can't see any negatives and on the positive side you would be gaining a bigger beta test team for those of us that wish to install it.
>
> Just a thought. I know I would install it.
> Thanks and 73,
> Sam
> K3SAM
>
>
>
> _____
> From: art davis <n4uc@...>
> To: orion565@yahoogroups.com
> Sent: Saturday, February 18, 2012 10:23 PM
> Subject: RE: [orion565] Re: Orion Beta Firmware and V3 Status
>
>
>
> Thank you Rick for giving credit where credit is certainly due!
>
> To: orion565@yahoogroups.com
> From: ve7tk@...
> Date: Sat, 18 Feb 2012 16:52:41 +0000
> Subject: [orion565] Re: Orion Beta Firmware and V3 Status

>
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> >
>
> > Thanks to John and all the testers. I can't imagine having this sort of direct communication on a daily basis (especially at 5:00 on a Friday afternoon) with any of the Japanese manufacturers. This above most all else will keep me as a Ten Tec customer for a long time!
>
> >
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> > Art N4UC
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> > Huntsville, AL
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> Yahoo! Groups Links
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7836. Re: [orion565] New 566

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-19 18:13:03 UTC
From: Larry Menzel
Topic: 7832 Message: 7836

Welcome to the club, Marty!

Having been an Orion owner for almost 10 years now, I can only say that no other radio can match it, especially at the price point.

I have the RX366 in my Orion II now and that's a real treat...you'll never know how much better it is, as you'll have started at the top!

This reflector is just great for all things Orion, and I know you'll really enjoy your new rig.

Good luck.

Larry, W0PR
Northfield, MN

On Sat, Feb 18, 2012 at 10:34 PM, Marty Young <w4my@...> wrote:

> **
>
>
> Good evening everyone:
>
> My new Orion II arrived here from TT this past Tuesday. I have a long way
> to go before I master its real strengths. But I have to tell you something
> you surely already know, this rig is nothing short of spectacular (using
> factory defaults)! I can only imagine what's in store once I have some
> stick time under my belt. I also got the RX366 receiver before they ran
> out of em. Just under the wire apparently!
>
> Its hooked up to my temporary balanced feed-line multiband dipole right
> now. I have a KLM KT-34A(M2 retro-fit) and tower project in progress as we
> speak. Also a Wellbrook 1530 broadband RX loop is on the way. (No real
> estate for a beverage)
>
> My only wrinkle is that I am going to need a new shack desk as this rig is
> BIG. I keep looking for the door on it to microwave my sandwich while I'm
> operating! HI!
>
> 73 Marty / W4MY
> Zebulon, NC
>
>
> --------------"If a man speaks in the forest and there are no woman around
> to hear him, is he still wrong?"
>
> [Non-text portions of this message have been removed]

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>

[Non-text portions of this message have been removed]

7837. Terminal JP1_3 on A9 Board

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-20 15:42:22 UTC
From: w2msj
Topic: 7837 Message: 7837

I just replaced the Caps on my A9 board. I noticed that in the two photos, I have, of the A9 board a connector labeled JP1-3 shows 2 white wires going somewhere. It would appear that this supplies 20.5 volts and gnd to ??? My 566 (w/o tuner) does not have a plug on term JP1_3. I searched the Schematic file on the TenTec site but could not find any connection on any other board that appeared to originate on terminal JP1_3 on the A9 board. Can someone enlighten me? Lynn Finch, W2MSJ

7838. Re: Terminal JP1_3 on A9 Board

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-20 21:43:45 UTC
From: pa1ap
Topic: 7837 Message: 7838

If I recall correctly this is the power connection for the optional tuner. There is a reference to this within the 565 v2 logic mod document... you can find this document on the tt download page. Best regards. Onno
--- In orion565@yahoogroups.com, "w2msj" <w2msj@...> wrote:
>
> I just replaced the Caps on my A9 board. I noticed that in the two photos, I have, of the A9 board a connector labeled JP1-3 shows 2 white wires going somewhere. It would appear that this supplies 20.5 volts and gnd to ??? My 566 (w/o tuner) does not have a plug on term JP1_3. I searched the Schematic file on the TenTec site but could not find any connection on any other board that appeared to originate on terminal JP1_3 on the A9 board. Can someone enlighten me? Lynn Finch, W2MSJ
>

7839. RE: [orion565] Re: Terminal JP1_3 on A9 Board

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-20 23:18:52 UTC
From: art davis
Topic: 7837 Message: 7839

Those two wires power the LCD display. They are hard to find on the schematic, but they are there.

73 Art N4UC

To: orion565@yahoogroups.com
From: pa1ap@...
Date: Mon, 20 Feb 2012 21:43:45 +0000
Subject: [orion565] Re: Terminal JP1_3 on A9 Board

If I recall correctly this is the power connection for the optional tuner. There is a reference to this within the 565 v2 logic mod document... you can find this document on the tt download page. Best regards. Onno

--- In orion565@yahoogroups.com, "w2msj" <w2msj@...> wrote:

>

> I just replaced the Caps on my A9 board. I noticed that in the two photos, I have, of the A9 board a connector labeled JP1-3 shows 2 white wires going somewhere. It would appear that this supplies 20.5 volts and gnd to ??? My 566 (w/o tuner) does not have a plug on term JP1_3. I searched the Schematic file on the TenTec site but could not find any connection on any other board that appeared to originate on terminal JP1_3 on the A9 board. Can someone enlighten me? Lynn Finch, W2MSJ

>

[Non-text portions of this message have been removed]

7840. AGC setting across 565 band stacking registers

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-21 01:34:28 UTC
From: Russ
Topic: 7840 Message: 7840

With V3 on my 565 I'm noticing that AGC settings cannot be set on a per register basis. I cannot remember how V2 register AGC worked, but if it hasn't been identified either as a bug or a want, I'd like to suggest that band register AGC values remain with each register as do mode, BW, and PBT settings.

With my 565 register A is for with SSB, B for CW, C for RTTY, and D for other data where each register has a unique AGC setting. As it is now I seem to be setting AGC much more often than before.

73, Russ

7841. Re: Terminal JP1_3 on A9 Board

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-21 06:17:08 UTC
From: pa1ap
Topic: 7837 Message: 7841

You are absolutely right. Is this wire in use for the 566? I guess with the different screen type as used in 566 this wire became obsolete?
--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:
>
>
> Those two wires power the LCD display. They are hard to find on the schematic, but they are there.
>
> 73 Art N4UC
>
> To: orion565@yahoogroups.com
> From: pa1ap@...
> Date: Mon, 20 Feb 2012 21:43:45 +0000
> Subject: [orion565] Re: Terminal JP1_3 on A9 Board
>
>
>

>
> --- In orion565@yahoogroups.com, "w2msj" <w2msj@> wrote:
>
> >
>
> > I just replaced the Caps on my A9 board. I noticed that in the two photos, I have, of the A9 board a connector labeled JP1-3 shows 2 white wires going somewhere. It would appear that this supplies 20.5 volts and gnd to ??? My 566 (w/o tuner) does not have a plug on term JP1_3. I searched the Schematic file on the TenTec site but could not find any connection on any other board that appeared to originate on terminal JP1_3 on the A9 board. Can someone enlighten me? Lynn Finch, W2MSJ
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> [Non-text portions of this message have been removed]
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7842. Re: RX366 Noticable filter difference - Main vs. Sub??

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-21 16:38:39 UTC
From: w1nt
Topic: 7752 Message: 7842

bump still looking for comments....

--- In orion565@...m, "w1nt" <bradld@...> wrote:
>
> Slightly unmatched when 300main & 300sub IMO.
>
> 300main,600sub - good match-up. @11.8 sec switch to 300Hz, 13.8 sec back to 600Hz, 15.1 seconds back to 300Hz:
> http://www.w1nt.com/sounds/RX366/300main_600sub.mp3
>
> 300 main, 300 sub - slight mismatch. slience between 11-13 seconds i switch over to 300Hz filter.
> http://www.w1nt.com/sounds/RX366/300main_300sub.mp3
>
> 300 main, 300 sub - 1uV signal, sub RX almost disappears.
> http://www.w1nt.com/sounds/RX366/300main_300sub_1uv.mp3
>
>
> Brad
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> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
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7843. Re: [orion565] Re: RX366 Noticable filter difference - Main vs. Sub??

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-21 16:43:37 UTC
From: Barry N1EU
Topic: 7752 Message: 7843

What are the AGC settings of main/sub?

On Tue, Feb 21, 2012 at 4:38 PM, w1nt <bradld@...> wrote:

> **
>
>
>
>
> bump still looking for comments....
>
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> --- In orion565@yahoogroups.com, "w1nt" <bradld@...> wrote:
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> > 300 main, 300 sub - slight mismatch. slience between 11-13 seconds i
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> > http://www.w1nt.com/sounds/RX366/300main_300sub.mp3
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7844. Re: RX366 Noticable filter difference - Main vs. Sub??

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-22 01:02:08 UTC
From: w1nt
Topic: 7752 Message: 7844

Both PROG to .12s, 20 dB/s, 1uV
SLOPE = FLAT
No NB, No NR, No SAF
SAME PBT

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
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> What are the AGC settings of main/sub?
>
> On Tue, Feb 21, 2012 at 4:38 PM, w1nt <bradld@...> wrote:
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7845. RE: [orion565] Re: Terminal JP1_3 on A9 Board

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-22 03:42:28 UTC
From: art davis
Topic: 7837 Message: 7845

I found this out when troubleshooting why my display would go dim during transmit. All the advice said to replace capacitors C6, 7, 8, 9 on the A9 board that were involved with the 5V regulator. This didn't make any sense since the display wasn't powered by the 5V supply. So I replaced the ones associated with the -20V supply (C1, 2, 3, 4) and the display has been rock solid since. The voltage on the pins of JP1 would sag about 3-5 volts during transmit.

To: orion565@yahoogroups.com
From: pa1ap@...
Date: Tue, 21 Feb 2012 06:17:08 +0000
Subject: [orion565] Re: Terminal JP1_3 on A9 Board

You are absolutely right. Is this wire in use for the 566? I guess with the different screen type as used in 566 this wire became obsolete?

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:

>

>

> Those two wires power the LCD display. They are hard to find on the schematic, but they are there.

>

> 73 Art N4UC

>

> To: orion565@yahoogroups.com

> From: pa1ap@...

> Date: Mon, 20 Feb 2012 21:43:45 +0000

> Subject: [orion565] Re: Terminal JP1_3 on A9 Board

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> If I recall correctly this is the power connection for the optional tuner. There is a reference to this within the 565 v2 logic mod document... you can find this document on the tt download page. Best regards. Onno

>

> --- In orion565@yahoogroups.com, "w2msj" <w2msj@> wrote:

>

> >

>

> > I just replaced the Caps on my A9 board. I noticed that in the two photos, I have, of the A9 board a connector labeled JP1-3 shows 2 white wires going somewhere. It would appear that this supplies 20.5 volts and gnd to ??? My 566 (w/o tuner) does not have a plug on term JP1_3. I searched the Schematic file on the TenTec site but could not find any connection on any other board that appeared to originate on terminal JP1_3 on the A9 board. Can someone enlighten me? Lynn Finch, W2MSJ

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7846. Re: Item for Firmware Update (3.027 or later)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-22 18:10:14 UTC
From: gmday2
Topic: 7815 Message: 7846

I recently received a satisfactory explanation for the behavior of the HI CUT and PBT controls from Paul Clinton, Ten-Tec's Service Manager, the text of which is listed below. It is a very clear and concise explanation. Thank you Ten-Tec for being responsive and keenly aware of your customer's questions and needs.

My only comment on this would be that the HI CUT and BW controls appear to have the same function. This is not a criticism, but just an observation.

(John Henry also posted an explanation similar to Paul Clinton's as a rebuttal to Scott's original article on the Ten-Tec Wiki: http://tentecwiki.org/doku.php?id=565hilowcut)

73, from a PROUD Orion II owner,
Greg, N8GD

E-Mail from Paul Clinton, Ten-Tec Service Manager:

Dear Greg:

The operation of the PBT, Hi Cut And Low Cut on the Orion and Orion II are correct. This is NOT a bug in the firmware. These functions are correctly displayed on the screen to display what is actually happening with these controls.

PBT allow the operator to move the signal down the slope of the filter to get away from interference.

High cut only narrows the top half of the DSP filter and there is no need to change PBT because the signal is not being moved inside the filter pass band. So on Hi Cut only the narrowing of the high end of the filter is shown.

On low cut it is necessary to move the signal with PBT to keep it centered inside the filter pass band. PBT and the band width on the display change because this is actually what is occurring with the filter. As low cut is moved not only is the low end of the filter being narrowed but the signal is constantly being moved by the PBT to keep it centered in the filter pass band.

73,
--
Paul R. Clinton
WD4EBR
Service Manager

--- In orion565@yahoogroups.com, "John" <jhenry@...> wrote:
>
> Hi Greg,
>
> Thanks for letting me know. I'll add this to the list.
> I'm going to make a second post on the status where we are, so that people know.
>

> Thanks,
> John Henry
>
>
> --- In orion565@yahoogroups.com, "gmday2" <gmday@> wrote:
> >
> > Hi All,
> >
> > I recall reading a message on the TenTec Wiki (http://tentecwiki.org/doku.php?id=565hilowcut) regarding a problem with the opertion of the HI CUT control not updating the PBT value on the display, according to Scott Robbins. Only the BW value changes. The PBT value does update properly with LO CUT, though. Here is the quote from the Wiki:
> >
> > "The PBT and BW values are supposed to update on screen graphics and text - unfortunately compounding the confusion is a bug that is present when HI CUT is adjusted. LO CUT shows the adjustment of PBT and BW values simultaneously, while HI CUT only shows the BW update, not the PBT value. This needs to be corrected.
> >
> > Scott Robbins, W4PA "
> >
> > I know John Henry reads this Yahoo Group, so I am requesting that this correction be made in the firmware before it is released. It's not a problem with the actual operation or performance of the transceiver, but comes more under the screen display fixes, and I notice the V3.026 (and I presume 3.025 for the original Orion) still exhibit this (incorrect) issue.
> >
> > Thanks & 73,
> >
> > Greg
> > N8GD
> >
>

7847. Orion 566v3.028 Posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-22 20:55:01 UTC
From: John
Topic: 7847 Message: 7847

Improvements include:

Version V3.028
Serial port fix resolving some invalid responses to computer queries
Fixed CW Sidetone Frequency after Transmit on FSK issue
Fixed PBT display issue when recalling from band register
Fixed SAF vs. RIT display issue
Tested/adjusted sweep display centering

Version V3.027
Resolved HW Mic not working

We appreciate your patience, and hope it was worth the wait.
The installer file can be found at:
www.tentec.com
Hover over "Downloads", select Transceiver Downloads
Scroll down until you see the 566 section, and on the right will be the installer file for Firmware Ver3.028

John Henry

7848. Orion 565v3.030 Posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-22 20:55:57 UTC
From: John
Topic: 7848 Message: 7848

Improvements include:

Version V3.030
Corrected mishandling of DUAL/DIV with 366 installed
Changed FSK to default to MARK HIGH
Fixed CW vs. FSK sidetone issue
Removed RX366 filter selection if not installed
Added code to disable NR during CW record..to prevent recording problems
Fixed PBT display issue when recalling from band register
Addressed serial port responses for CAT programs.
Changed default to MARK HIGH
Removed Sub-Rx filters when RX366 not installed
SAF "S" Text overwrite with RIT
Addressed various screen gibberish issues caused by CAT involvement

We appreciate your patience, and hope it was worth the wait.
The installer file can be found at:
www.tentec.com
Hover over "Downloads", select Transceiver Downloads
Scroll down until you see the 565 section, and on the right will be the installer file for Firmware Ver3.030

John Henry

7849. Re: [orion565] Orion 565v3.030 Posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-22 21:27:38 UTC
From: Per Bekker-Madsen
Topic: 7848 Message: 7849

Thanks John, it works fantastic, and thanks for my "new" ORION ;-)

Per OZ1EQC & OV2V

2012/2/22 John <jhenry@...>

> **
>
>
> Improvements include:
>
> Version V3.030
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> Changed FSK to default to MARK HIGH
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> Addressed serial port responses for CAT programs.
> Changed default to MARK HIGH
> Removed Sub-Rx filters when RX366 not installed
> SAF "S" Text overwrite with RIT
> Addressed various screen gibberish issues caused by CAT involvement
>
> We appreciate your patience, and hope it was worth the wait.
> The installer file can be found at:
> www.tentec.com
> Hover over "Downloads", select Transceiver Downloads
> Scroll down until you see the 565 section, and on the right will be the
> installer file for Firmware Ver3.030
>
> John Henry
>
>
>

[Non-text portions of this message have been removed]

7850. Re: Orion 566v3.028 Posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-23 13:29:48 UTC
From: w1nt
Topic: 7847 Message: 7850

Should another RAM clear and Maser Restet be performeed when coming from prior V3 or just a master reset or neither?

Thanks,

Brad

--- In orion565@yahoogroups.com, "John" <jhenry@...> wrote:
>
> Improvements include:
>
> Version V3.028
> Serial port fix resolving some invalid responses to computer queries
> Fixed CW Sidetone Frequency after Transmit on FSK issue
> Fixed PBT display issue when recalling from band register
> Fixed SAF vs. RIT display issue
> Tested/adjusted sweep display centering
>
> Version V3.027
> Resolved HW Mic not working
>
> We appreciate your patience, and hope it was worth the wait.
> The installer file can be found at:
> www.tentec.com
> Hover over "Downloads", select Transceiver Downloads
> Scroll down until you see the 566 section, and on the right will be the installer file for Firmware Ver3.028
>
> John Henry
>

7851. Re: Orion 566v3.028 Posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-23 14:51:54 UTC
From: John
Topic: 7847 Message: 7851

Hi Brad,

It is not necessary to perform either when going from an official released V3 firmware to an official released V3 firmware. If it is required, I will put the "required" in the release notes. But nothing in memory has changed between the two public releases.

However, with that being said, I know dozens of people (including some in TenTec service) who adamantly state that whenever performing upgrades/downgrades, master reset is required. We have had so many issues cleared by clearing the data and memories.

If you choose not to master reset, and you update the rig, and then have some odd side effects, then jot down your settings, and perform the master reset, answering yes to the "clear" questions, Yes/No to the RX366 installed question, wait for the ability to change the main vfo, power it off, back on, and you should be good to go again.

John

--- In orion565@...m, "w1nt" <bradld@...> wrote:
>
> Should another RAM clear and Maser Restet be performeed when coming from prior V3 or just a master reset or neither?
>
> Thanks,
>
> Brad
>
>
> --- In orion565@yahoogroups.com, "John" <jhenry@> wrote:
> >
> > Improvements include:
> >
> > Version V3.028
> > Serial port fix resolving some invalid responses to computer queries
> > Fixed CW Sidetone Frequency after Transmit on FSK issue
> > Fixed PBT display issue when recalling from band register
> > Fixed SAF vs. RIT display issue
> > Tested/adjusted sweep display centering
> >
> > Version V3.027
> > Resolved HW Mic not working
> >
> > We appreciate your patience, and hope it was worth the wait.
> > The installer file can be found at:
> > www.tentec.com
> > Hover over "Downloads", select Transceiver Downloads
> > Scroll down until you see the 566 section, and on the right will be the installer file

for Firmware Ver3.028
> >
> > John Henry
> >
>

7852. Re: [orion565] Re: Orion 566v3.028 Posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-23 16:08:01 UTC
From: k3xr@comcast.net
Topic: 7847 Message: 7852

May be just me but after a V3 download a couple weeks back seemed like the (main) receiver was very noisey, tried the master reset and much more quite, as a result did the same after 3.028. All is well. DAN, K3XR

----- Original Message -----
From: John <jhenry@...>
To: orion565@yahoogroups.com
Sent: Thu, 23 Feb 2012 14:51:54 -0000 (UTC)
Subject: [orion565] Re: Orion 566v3.028 Posted

Hi Brad,

It is not necessary to perform either when going from an official released V3 firmware to an official released V3 firmware. If it is required, I will put the "required" in the release notes. But nothing in memory has changed between the two public releases.

However, with that being said, I know dozens of people (including some in TenTec service) who adamantly state that whenever performing upgrades/downgrades, master reset is required. We have had so many issues cleared by clearing the data and memories.

If you choose not to master reset, and you update the rig, and then have some odd side effects, then jot down your settings, and perform the master reset, answering yes to the "clear" questions, Yes/No to the RX366 installed question, wait for the ability to change the main vfo, power it off, back on, and you should be good to go again.

John

--- In orion565@yahoogroups.com, "w1nt" <bradld@...> wrote:

>

> Should another RAM clear and Maser Restet be performeed when coming from prior V3 or just a master reset or neither?

>

> Thanks,

>

> Brad

>

>

> --- In orion565@yahoogroups.com, "John" <jhenry@> wrote:

> >

> > Improvements include:

> >

> > Version V3.028

> > Serial port fix resolving some invalid responses to computer queries

> > Fixed CW Sidetone Frequency after Transmit on FSK issue

> > Fixed PBT display issue when recalling from band register

> > Fixed SAF vs. RIT display issue

> > Tested/adjusted sweep display centering

> >

> > Version V3.027

> > Resolved HW Mic not working

> >

> > We appreciate your patience, and hope it was worth the wait.

> > The installer file can be found at:

> > www.tentec.com

> > Hover over "Downloads", select Transceiver Downloads

> > Scroll down until you see the 566 section, and on the right will be the installer file for Firmware Ver3.028

> >

> > John Henry

> >

>

[Non-text portions of this message have been removed]

7853. Re: Orion 566v3.028 Posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-23 16:43:26 UTC
From: on5gq
Topic: 7847 Message: 7853

The same here with me. After installing V3.028 the receiver was very noisy and the S meter was on S2 on dummyload. I did a Master Reset and now all is again normal. The received is again quite and the S meter goes to S0.

Ben, ON5GQ

--- In orion565@yahoogroups.com, k3xr@... wrote:
>
> May be just me but after a V3 download a couple weeks back seemed like the (main) receiver was very noisey, tried the master reset and much more quite, as a result did the same after 3.028. All is well. DAN, K3XR
>
> ----- Original Message -----
> From: John <jhenry@...>
> To: orion565@yahoogroups.com
> Sent: Thu, 23 Feb 2012 14:51:54 -0000 (UTC)
> Subject: [orion565] Re: Orion 566v3.028 Posted
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> Hi Brad,
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> It is not necessary to perform either when going from an official released V3 firmware to an official released V3 firmware. If it is required, I will put the "required" in the release notes. But nothing in memory has changed between the two public releases.
>
>
>
> However, with that being said, I know dozens of people (including some in TenTec service) who adamantly state that whenever performing upgrades/downgrades, master reset is required. We have had so many issues cleared by clearing the data and memories.
>
>

>
> If you choose not to master reset, and you update the rig, and then have some odd side effects, then jot down your settings, and perform the master reset, answering yes to the "clear" questions, Yes/No to the RX366 installed question, wait for the ability to change the main vfo, power it off, back on, and you should be good to go again.
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>
> John
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> --- In orion565@yahoogroups.com, "w1nt" <bradld@> wrote:
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>
> > Should another RAM clear and Maser Restet be performeed when coming from prior V3 or just a master reset or neither?
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> > Thanks,
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> > Brad
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> > --- In orion565@yahoogroups.com, "John" <jhenry@> wrote:
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> > > Improvements include:
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> > > Version V3.028
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> > > Serial port fix resolving some invalid responses to computer queries
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> > > Fixed CW Sidetone Frequency after Transmit on FSK issue
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> > > Fixed PBT display issue when recalling from band register
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> > > Fixed SAF vs. RIT display issue
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> > > Tested/adjusted sweep display centering
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> > > Version V3.027
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> > > Resolved HW Mic not working
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> > > We appreciate your patience, and hope it was worth the wait.
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>
> > > The installer file can be found at:
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>
> > > www.tentec.com
>
>
> > > Hover over "Downloads", select Transceiver Downloads
>
>
> > > Scroll down until you see the 566 section, and on the right will be the installer file for Firmware Ver3.028
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> > > John Henry
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> [Non-text portions of this message have been removed]
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7854. Re: [orion565] Re: Orion 566v3.028 Posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-23 16:55:16 UTC
From: John Huffman
Topic: 7847 Message: 7854

I use Onno's Back up and Restore so I don't have to save my settings or write them down. Then I always do a RAM clear and then a Master Reset. Then use Backup and Restore to restore my settings.

What's to lose by doing that?

73 de K1ESE
John

On 2/23/2012 11:43 AM, on5gq wrote:
>
> The same here with me. After installing V3.028 the receiver was very
> noisy and the S meter was on S2 on dummyload. I did a Master Reset and
> now all is again normal. The received is again quite and the S meter
> goes to S0.
>
> Ben, ON5GQ
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>,
> k3xr@... wrote:
> >
> > May be just me but after a V3 download a couple weeks back seemed
> like the (main) receiver was very noisey, tried the master reset and
> much more quite, as a result did the same after 3.028. All is well.
> DAN, K3XR
> >
> > ----- Original Message -----
> > From: John <jhenry@...>
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > Sent: Thu, 23 Feb 2012 14:51:54 -0000 (UTC)
> > Subject: [orion565] Re: Orion 566v3.028 Posted
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> >
> > Hi Brad,
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> >
> > It is not necessary to perform either when going from an official
> released V3 firmware to an official released V3 firmware. If it is
> required, I will put the "required" in the release notes. But nothing
> in memory has changed between the two public releases.
> >
> >
> >
> > However, with that being said, I know dozens of people (including
> some in TenTec service) who adamantly state that whenever performing
> upgrades/downgrades, master reset is required. We have had so many
> issues cleared by clearing the data and memories.
> >
> >
> >
> > If you choose not to master reset, and you update the rig, and then
> have some odd side effects, then jot down your settings, and perform
> the master reset, answering yes to the "clear" questions, Yes/No to
> the RX366 installed question, wait for the ability to change the main
> vfo, power it off, back on, and you should be good to go again.
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> >
> > John
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> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>,
> "w1nt" <bradld@> wrote:
> >
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> >
> > > Should another RAM clear and Maser Restet be performeed when
> coming from prior V3 or just a master reset or neither?
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> > > Thanks,
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> > Brad
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> > > --- In orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>, "John" <jhenry@> wrote:
> >
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> >
> > > > Improvements include:
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> > > >
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> >
> > > > Version V3.028
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> >
> > > > Serial port fix resolving some invalid responses to computer queries
> >
> >
> > > > Fixed CW Sidetone Frequency after Transmit on FSK issue
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> >
> > > > Fixed PBT display issue when recalling from band register
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> >
> > > > Fixed SAF vs. RIT display issue
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> > > > Tested/adjusted sweep display centering
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> > > > Version V3.027
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> > > > Resolved HW Mic not working
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> > > > We appreciate your patience, and hope it was worth the wait.
> >
> >
> > > > The installer file can be found at:
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> > > > www.tentec.com
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> >
> > > > Hover over "Downloads", select Transceiver Downloads
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> >
> > > > Scroll down until you see the 566 section, and on the right will
> be the installer file for Firmware Ver3.028
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> > > John Henry
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> > [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7855. Re: OT: OBR 2951 available

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-23 22:00:46 UTC
From: pa1ap
Topic: 7800 Message: 7855

Just noticed increased download activity on previous releases. I would recommend 2951 to be installed since it addresses a couple of items not covered in earlier versions. Please see below for download details.

Regards, onno
--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings,
>
> Some minor changes to the program which might be of use;
>
> 1- additional validation of backup sequence
> 2- v3 error backup settings can now be restored into v2 orion. the restore function will skip the v3 specific objects and hence not send them to v2 orion.
> 3- included 5 seconds timeout in case communication fails.
> 4- tested with v2 and v3 latest beta code and all seems to work smooth
>
> OBR setup 2951 standard.zip
> https://www.box.net/shared/gqbhq9ytnu6k470vy4pl
>
> OBR OBR OBR setup 2951 XP special.zip
> https://www.box.net/shared/ud2rpm53de946z8ueotj
>
> I had various responses on xp environment. Sometimes it works right away, sometimes one has to ensure windows update is completed prior to installation. I have created a new package using 4.x net and 3.1 installer which should make this a smooth ride too... please send me email hown it went?
>
> Best regards, onno
>

7856. orion565unsubcribe

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-23 22:37:35 UTC
From: ea5en
Topic: 7856 Message: 7856

unsubscribe

[Non-text portions of this message have been removed]

7857. USB to Serial Adapter for Orion II Updating

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-24 03:07:51 UTC
From: orion565-owner@yahoogroups.com
Topic: 7857 Message: 7857

I have a new Mac Book Pro running Lion and uses Parallels to run Windows 7
Can someone recommend an adapter that they know will work with this
configuration to upgrade my O2?

Also where can the adapter perhaps be locally obtained if possible.

Tnx and 73,

Mike
W2AJI

7858. Re: USB to Serial Adapter for Orion II Updating

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-24 03:56:23 UTC
From: Bill
Topic: 7857 Message: 7858

My recommendation is use the RT System USB cable and provided driver sold by TenTec, works great.....

73, Bill - K8WAW

--- In orion565@yahoogroups.com, orion565-owner@yahoogroups.com wrote:
>
> I have a new Mac Book Pro running Lion and uses Parallels to run Windows 7
> Can someone recommend an adapter that they know will work with this
> configuration to upgrade my O2?
>
> Also where can the adapter perhaps be locally obtained if possible.
>
> Tnx and 73,
>
> Mike
> W2AJI
>

7859. 3.028 bug fixed

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-24 06:56:19 UTC
From: billw5ao
Topic: 7859 Message: 7859

The User 1 and User 2 functions save parameters correctly and do not revert to default values as did 3.026.

Also I did the update while at work and a power outage occurred after the update so I returned home to find the radio updated with all previous settings retained, without any master reset or clearing of memories.

7860. Anyone in the Nashville area have an Orion II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-24 16:41:58 UTC
From: John_Tn
Topic: 7860 Message: 7860

Anyone in the Nashville area have an Orion II?

I'm looking to sell my complete FT-2000 station and buy an Orion II and wanted to be able to see the Orion in person one more time.
I went to Ten Tec a few years back and played with the Orion for a little bit but I just wanted to see it one more time before I buy.

73
John

7862. Re: [orion565] Anyone in the Nashville area have an Orion II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-24 18:30:16 UTC
From: Richard
Topic: 7860 Message: 7862

Knoxville. You would be welcome. I think you will like it over the Rice Boxes.

C. Richard Pumphrey

NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

On Feb 24, 2012, at 11:41 AM, "John_Tn" <john-m-junk@...> wrote:

> Anyone in the Nashville area have an Orion II?
>
> I'm looking to sell my complete FT-2000 station and buy an Orion II and wanted to be able to see the Orion in person one more time.
> I went to Ten Tec a few years back and played with the Orion for a little bit but I just wanted to see it one more time before I buy.
>
> 73
> John
>
>
>
>
> TODAY(Beta) • Powered by Yahoo!
> Outrageous amenities at dog hotel
> Pets get "pawdicures," nontoxic fur dyeing, massages, and steak dinners.
> Privacy Policy

[Non-text portions of this message have been removed]

7863. lost RIT?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-25 13:59:12 UTC
From: George
Topic: 7863 Message: 7863

I upgraded to 3.028 and I lost RIT? Did I do something wrong or did I miss something in the menu choices?
Thanks.

George W2YJ

7864. Re: [orion565] lost RIT?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-25 14:06:14 UTC
From: Barry N1EU
Topic: 7863 Message: 7864

The loss of RIT is very common in the Orion - connectivity becomes
intermittent as the Orion ages. There's some discussion archived at
http://tentecwiki.org/doku.php?id=565ritfix

My guess is that it was a coincidence that you first noticed this after
flashing the firmware.

Barry N1EU

On Sat, Feb 25, 2012 at 1:59 PM, George <goofyham@...> wrote:

> **
>
>
> I upgraded to 3.028 and I lost RIT? Did I do something wrong or did I miss
> something in the menu choices?
> Thanks.
>
> George W2YJ
>
>
>

[Non-text portions of this message have been removed]

7865. RE: [orion565] lost RIT?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-25 14:08:42 UTC
From: Robert Carroll
Topic: 7863 Message: 7865

If you have a 565 it may be you have experienced the dreaded flaky RIT syndrome, which is a hardware issue.

73

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of George
Sent: Saturday, February 25, 2012 8:59 AM
To: orion565@yahoogroups.com
Subject: [orion565] lost RIT?

I upgraded to 3.028 and I lost RIT? Did I do something wrong or did I miss something in the menu choices?
Thanks.

George W2YJ

[Non-text portions of this message have been removed]

7866. RE: [orion565] lost RIT?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-25 14:54:19 UTC
From: George
Topic: 7863 Message: 7866

Bob;

The hardware issue, is it the control pot or firmware?

Thanks

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Robert Carroll
Sent: Saturday, February 25, 2012 9:09 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] lost RIT?

If you have a 565 it may be you have experienced the dreaded flaky RIT syndrome, which is a hardware issue.

73

Bob W2WG

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
Of George
Sent: Saturday, February 25, 2012 8:59 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] lost RIT?

I upgraded to 3.028 and I lost RIT? Did I do something wrong or did I miss something in the menu choices?
Thanks.

George W2YJ

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2114/4831 - Release Date: 02/25/12

[Non-text portions of this message have been removed]

7867. RE: [orion565] lost RIT?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-25 15:01:23 UTC
From: George
Topic: 7863 Message: 7867

Barry;

I’m going to order a new RIT pot Monday and just replace it. Pulling the know started it working but it would only go + or – 10 cycles?

I did replace the MULTI pot 6 months ago because of intermittent operation.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Saturday, February 25, 2012 9:06 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] lost RIT?

The loss of RIT is very common in the Orion - connectivity becomes
intermittent as the Orion ages. There's some discussion archived at
http://tentecwiki.org/doku.php?id=565ritfix

My guess is that it was a coincidence that you first noticed this after
flashing the firmware.

Barry N1EU

On Sat, Feb 25, 2012 at 1:59 PM, George <goofyham@... <mailto:goofyham%40rochester.rr.com>
> wrote:

> **
>
>
> I upgraded to 3.028 and I lost RIT? Did I do something wrong or did I miss
> something in the menu choices?
> Thanks.
>
> George W2YJ
>
>
>

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2114/4831 - Release Date: 02/25/12

[Non-text portions of this message have been removed]

7868. Re: [orion565] lost RIT?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-25 15:29:18 UTC
From: Barry N1EU
Topic: 7863 Message: 7868

No, don't do that - it's probably not the encoder - it's the connection.
Read the last posting on that link I sent you earlier.

Barry N1EU

On Sat, Feb 25, 2012 at 3:01 PM, George <goofyham@...> wrote:

> **
>
>
> Barry;
>
> I’m going to order a new RIT pot Monday and just replace it. Pulling the
> know started it working but it would only go + or – 10 cycles?
>
> I did replace the MULTI pot 6 months ago because of intermittent operation.
>
> George W2YJ
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf Of Barry N1EU
> Sent: Saturday, February 25, 2012 9:06 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] lost RIT?
>
>
> The loss of RIT is very common in the Orion - connectivity becomes
> intermittent as the Orion ages. There's some discussion archived at
> http://tentecwiki.org/doku.php?id=565ritfix
>
> My guess is that it was a coincidence that you first noticed this after
> flashing the firmware.
>
> Barry N1EU
>
> On Sat, Feb 25, 2012 at 1:59 PM, George <goofyham@...<mailto:
> goofyham%40rochester.rr.com> > wrote:
>
> > **
>
> >
> >
> > I upgraded to 3.028 and I lost RIT? Did I do something wrong or did I
> miss
> > something in the menu choices?
> > Thanks.

> >
> > George W2YJ
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
> _____
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.1913 / Virus Database: 2114/4831 - Release Date: 02/25/12
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

7869. RE: [orion565] lost RIT?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-25 15:36:29 UTC
From: John T. Fleming
Topic: 7863 Message: 7869

George,

Save your money! Order some Deoxit Gold G100L and using the directions in the V2 mod instructions, unplug the CPU board from the front panel and paint the “pins” that connect the CPU board to the front panel. Then reassemble the rig. A quick test of the problem before you do anything is the press along the edge of the area between the row of buttons starting with “MENUS” and the display. The female part of the pin connection is behind the buttons. By pressing the edge of the front, it causes the connection to be “exercised” and you will have a clean connection again. The connector for the Orion II is different and it does not experience the problem.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of George
Sent: Saturday, February 25, 2012 10:01 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] lost RIT?

Barry;

I’m going to order a new RIT pot Monday and just replace it. Pulling the know started it working but it would only go + or – 10 cycles?

I did replace the MULTI pot 6 months ago because of intermittent operation.

George W2YJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of Barry N1EU
Sent: Saturday, February 25, 2012 9:06 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] lost RIT?

The loss of RIT is very common in the Orion - connectivity becomes
intermittent as the Orion ages. There's some discussion archived at
http://tentecwiki.org/doku.php?id=565ritfix

My guess is that it was a coincidence that you first noticed this after
flashing the firmware.

Barry N1EU

On Sat, Feb 25, 2012 at 1:59 PM, George <goofyham@... <mailto:goofyham%40rochester.rr.com> <mailto:goofyham%40rochester.rr.com> > wrote:

> **
>
>
> I upgraded to 3.028 and I lost RIT? Did I do something wrong or did I miss
> something in the menu choices?
> Thanks.
>
> George W2YJ
>
>
>

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2114/4831 - Release Date: 02/25/12

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7870. Update won't erase EEPROM first

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-25 18:14:49 UTC
From: Larry Menzel
Topic: 7870 Message: 7870

That about says it all.

I"m installing to my 565 from an XP machine with a hardware COM port, COM1.

Each time I try to start the Flash Update, the rig immediately starts PROGRAM FLASH without first erasing the EEPROM as it has in the past. It runs out to about 1086 lines and stops...every damn time.

Help.

Larry, W0PR

[Non-text portions of this message have been removed]

7871. Re: Update won't erase EEPROM first

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-25 18:36:24 UTC
From: pa1ap
Topic: 7870 Message: 7871

which installer version are you using? Did you install the latest version?

Furthermore which firmware is currently loaded?

Orion running well?

Did you do master reset prior to upgrade attempt?

If you want i can give you a call to walk you through a couple of verification steps. If you appreciate send me an email with contact details. I also have software which might help troubleshooting.

Best regards, onno

--- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
>
> That about says it all.
>
> I"m installing to my 565 from an XP machine with a hardware COM port, COM1.
>
> Each time I try to start the Flash Update, the rig immediately starts
> PROGRAM FLASH without first erasing the EEPROM as it has in the past. It
> runs out to about 1086 lines and stops...every damn time.
>
> Help.
>
> Larry, W0PR
>
>
> [Non-text portions of this message have been removed]
>

7872. Re: [orion565] Re: Update won't erase EEPROM first

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-25 18:46:34 UTC
From: Larry Menzel
Topic: 7870 Message: 7872

Helo, Onno,

Well, I finally got it to run, after many many starts. I turned off error checking, and it immediately erased the EEPROM and installed without error.

I did the usual setup after installation, Master reset, ROM reset, memory clear...now working perfectly, AND my second receiver works perfectly, which it did not in V3.025.

Thanks, Onno.

Larry, W0PR

On Sat, Feb 25, 2012 at 12:36 PM, pa1ap <pa1ap@...> wrote:

> **
>
>
> which installer version are you using? Did you install the latest version?
>
> Furthermore which firmware is currently loaded?
>
> Orion running well?
>
> Did you do master reset prior to upgrade attempt?
>
> If you want i can give you a call to walk you through a couple of
> verification steps. If you appreciate send me an email with contact
> details. I also have software which might help troubleshooting.
>
> Best regards, onno
>
>
> --- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
> >
> > That about says it all.
> >
> > I"m installing to my 565 from an XP machine with a hardware COM port,
> COM1.
> >
> > Each time I try to start the Flash Update, the rig immediately starts
> > PROGRAM FLASH without first erasing the EEPROM as it has in the past. It
> > runs out to about 1086 lines and stops...every damn time.
> >
> > Help.
> >

> > Larry, W0PR
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>

[Non-text portions of this message have been removed]

7873. Re: Update won't erase EEPROM first

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-25 22:06:55 UTC
From: pa1ap
Topic: 7870 Message: 7873

Happy to hear you got it running despite the unusual approach ;-)

Best regards, Onno
--- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
>
> Helo, Onno,
>
> Well, I finally got it to run, after many many starts. I turned off error
> checking, and it immediately erased the EEPROM and installed without error.
>
> I did the usual setup after installation, Master reset, ROM reset, memory
> clear...now working perfectly, AND my second receiver works perfectly,
> which it did not in V3.025.
>
> Thanks, Onno.
>
> Larry, W0PR
>
> On Sat, Feb 25, 2012 at 12:36 PM, pa1ap <pa1ap@...> wrote:
>
> > **
> > >
> > >
> > > which installer version are you using? Did you install the latest version?
> > >
> > > Furthermore which firmware is currently loaded?
> > >
> > > Orion running well?
> > >
> > > Did you do master reset prior to upgrade attempt?
> > >
> > > If you want i can give you a call to walk you through a couple of
> > > verification steps. If you appreciate send me an email with contact
> > > details. I also have software which might help troubleshooting.
> > >
> > > Best regards, onno
> > >
> > >
> > > --- In orion565@yahoogroups.com, Larry Menzel <retire@> wrote:
> > > >
> > > > That about says it all.
> > > >
> > > > I"m installing to my 565 from an XP machine with a hardware COM port,
> > > COM1.
> > > >

> > > Each time I try to start the Flash Update, the rig immediately starts
> > > PROGRAM FLASH without first erasing the EEPROM as it has in the past. It
> > > runs out to about 1086 lines and stops...every damn time.
> > >
> > > Help.
> > >
> > > Larry, W0PR
> > >
> > >
> > > [Non-text portions of this message have been removed]
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> >
> >
>
>
> [Non-text portions of this message have been removed]
>

7875. RE: [orion565] lost RIT?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-25 22:20:31 UTC
From: George
Topic: 7863 Message: 7875

John;

I should have said I have the O2. As long as I have it apart, (I had it apart to replace the MULTI control) I'm going to replace the other three controls.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John T. Fleming
Sent: Saturday, February 25, 2012 10:36 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] lost RIT?

George,

Save your money! Order some Deoxit Gold G100L and using the directions in the V2 mod instructions, unplug the CPU board from the front panel and paint the "pins" that connect the CPU board to the front panel. Then reassemble the rig. A quick test of the problem before you do anything is the press along the edge of the area between the row of buttons starting with "MENUS" and the display. The female part of the pin connection is behind the buttons. By pressing the edge of the front, it causes the connection to be "exercised" and you will have a clean connection again. The connector for the Orion II is different and it does not experience the problem.

73,

John

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of George
Sent: Saturday, February 25, 2012 10:01 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] lost RIT?

Barry;

I'm going to order a new RIT pot Monday and just replace it. Pulling the know started it working but it would only go + or – 10 cycles?

I did replace the MULTI pot 6 months ago because of intermittent operation.

George W2YJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com>] On Behalf Of Barry N1EU
Sent: Saturday, February 25, 2012 9:06 AM

To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] lost RIT?

The loss of RIT is very common in the Orion - connectivity becomes
intermittent as the Orion ages. There's some discussion archived at
http://tentecwiki.org/doku.php?id=565ritfix

My guess is that it was a coincidence that you first noticed this after
flashing the firmware.

Barry N1EU

On Sat, Feb 25, 2012 at 1:59 PM, George <goofyham@... <mailto:goofyham%40rochester.rr.com>
<mailto:goofyham%40rochester.rr.com> <mailto:goofyham%40rochester.rr.com> > wrote:

> **
>
>
> I upgraded to 3.028 and I lost RIT? Did I do something wrong or did I miss
> something in the menu choices?
> Thanks.
>
> George W2YJ
>
>
>

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2114/4831 - Release Date: 02/25/12

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

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Version: 2012.0.1913 / Virus Database: 2114/4831 - Release Date: 02/25/12

[Non-text portions of this message have been removed]

7876. Re: [orion565] lost RIT?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-26 16:52:44 UTC
From: Rod Greene
Topic: 7863 Message: 7876

John,

It happens all the time on my O2 - fwiw

73, Rod/w7zrc

From: John T. Fleming <john@...>
To: orion565@yahoogroups.com
Sent: Saturday, February 25, 2012 8:36 AM
Subject: RE: [orion565] lost RIT?

George,

Save your money! Order some Deoxit Gold G100L and using the directions in the V2 mod instructions, unplug the CPU board from the front panel and paint the “pins” that connect the CPU board to the front panel. Then reassemble the rig. A quick test of the problem before you do anything is the press along the edge of the area between the row of buttons starting with “MENUS” and the display. The female part of the pin connection is behind the buttons. By pressing the edge of the front, it causes the connection to be “exercised” and you will have a clean connection again. The connector for the Orion II is different and it does not experience the problem.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of George
Sent: Saturday, February 25, 2012 10:01 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] lost RIT?

Barry;

I’m going to order a new RIT pot Monday and just replace it. Pulling the know started it working but it would only go + or – 10 cycles?

I did replace the MULTI pot 6 months ago because of intermittent operation.

George W2YJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of Barry N1EU
Sent: Saturday, February 25, 2012 9:06 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] lost RIT?

The loss of RIT is very common in the Orion - connectivity becomes
intermittent as the Orion ages. There's some discussion archived at
http://tentecwiki.org/doku.php?id=565ritfix

My guess is that it was a coincidence that you first noticed this after
flashing the firmware.

Barry N1EU

On Sat, Feb 25, 2012 at 1:59 PM, George <goofyham@... <mailto:goofyham%40rochester.rr.com>
<mailto:goofyham%40rochester.rr.com> > wrote:

> **
>
>
> I upgraded to 3.028 and I lost RIT? Did I do something wrong or did I miss
> something in the menu choices?
> Thanks.
>
> George W2YJ
>
>
>

[Non-text portions of this message have been removed]

No virus found in this message.
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Version: 2012.0.1913 / Virus Database: 2114/4831 - Release Date: 02/25/12

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7877. RE: [orion565] lost RIT?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-26 21:16:09 UTC
From: Robert Carroll
Topic: 7863 Message: 7877

It happens occasionally on K4DLI's Orion II. The service manager, as he did with the Orion I, a while back said he had not heard anyone report the issue, but it is there--but apparently not as prevalent as with the Orion I.

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Rod Greene
Sent: Sunday, February 26, 2012 11:53 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] lost RIT?

John,

It happens all the time on my O2 - fwiw

73, Rod/w7zrc

From: John T. Fleming <john@... <mailto:john%40w3gqj.net> >
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Sent: Saturday, February 25, 2012 8:36 AM
Subject: RE: [orion565] lost RIT?

George,

Save your money! Order some Deoxit Gold G100L and using the directions in the V2 mod instructions, unplug the CPU board from the front panel and paint the “pins” that connect the CPU board to the front panel. Then reassemble the rig. A quick test of the problem before you do anything is the press along the edge of the area between the row of buttons starting with “MENUS” and the display. The female part of the pin connection is behind the buttons. By pressing the edge of the front, it causes the connection to be “exercised” and you will have a clean connection again. The connector for the Orion II is different and it does not experience the problem.

73,

John

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of George
Sent: Saturday, February 25, 2012 10:01 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] lost RIT?

Barry;

I’m going to order a new RIT pot Monday and just replace it. Pulling the know started it working but it would only go + or – 10 cycles?

I did replace the MULTI pot 6 months ago because of intermittent operation.

George W2YJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com>] On Behalf Of
Barry N1EU
Sent: Saturday, February 25, 2012 9:06 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] lost RIT?

The loss of RIT is very common in the Orion - connectivity becomes
intermittent as the Orion ages. There's some discussion archived at
http://tentecwiki.org/doku.php?id=565ritfix

My guess is that it was a coincidence that you first noticed this after
flashing the firmware.

Barry N1EU

On Sat, Feb 25, 2012 at 1:59 PM, George <goofyham@... <mailto:goofyham%40rochester.rr.com>
<mailto:goofyham%40rochester.rr.com> <mailto:goofyham%40rochester.rr.com> > wrote:

> **
>
>
> I upgraded to 3.028 and I lost RIT? Did I do something wrong or did I miss
> something in the menu choices?
> Thanks.
>
> George W2YJ
>
>
>

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7878. Re: [orion565] lost RIT?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-27 00:04:29 UTC
From: Rod Greene
Topic: 7863 Message: 7878

Happens all the time on my O2. I just push on the panel and it works again.

Rod/w7zrc

[Non-text portions of this message have been removed]

7879. Re: Orion 566v3.028 Posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-27 13:06:38 UTC
From: Skip
Topic: 7847 Message: 7879

John

After coming back from a weekend at the Buckhorn I turned on the Orion ll last night and the intermittent main audio level problem I mentioned to you earlier was back. The radio had been off for several days so it was totally cold. After being on for about an hour the problem went away as it had previously. I made a point of looking at the bar and it never went to half height as it would when muting.

I am beginning to think it might just be a cold joint on the pot rather than a firmware issue.

Ed, Wb4RHQ

--- In orion565@yahoogroups.com, "John" <jhenry@...> wrote:
>
> Hi Brad,
>
> It is not necessary to perform either when going from an official released V3 firmware to an official released V3 firmware. If it is required, I will put the "required" in the release notes. But nothing in memory has changed between the two public releases.
>
> However, with that being said, I know dozens of people (including some in TenTec service) who adamantly state that whenever performing upgrades/downgrades, master reset is required. We have had so many issues cleared by clearing the data and memories.
>
> If you choose not to master reset, and you update the rig, and then have some odd side effects, then jot down your settings, and perform the master reset, answering yes to the "clear" questions, Yes/No to the RX366 installed question, wait for the ability to change the main vfo, power it off, back on, and you should be good to go again.
>
> John
>
>
> --- In orion565@yahoogroups.com, "w1nt" <bradld@> wrote:
> >
> > Should another RAM clear and Maser Restet be performeed when coming from prior V3 or just a master reset or neither?
> >
> > Thanks,
> >
> > Brad
> >
> >
> > --- In orion565@yahoogroups.com, "John" <jhenry@> wrote:
> > >
> > > Improvements include:

> > >
> > > Version V3.028
> > > Serial port fix resolving some invalid responses to computer queries
> > > Fixed CW Sidetone Frequency after Transmit on FSK issue
> > > Fixed PBT display issue when recalling from band register
> > > Fixed SAF vs. RIT display issue
> > > Tested/adjusted sweep display centering
> > >
> > > Version V3.027
> > > Resolved HW Mic not working
> > >
> > > We appreciate your patience, and hope it was worth the wait.
> > > The installer file can be found at:
> > > www.tentec.com
> > > Hover over "Downloads", select Transceiver Downloads
> > > Scroll down until you see the 566 section, and on the right will be the installer file for Firmware Ver3.028
> > >
> > > John Henry
> > >
> >
>

7880. High SWR Protection

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-27 16:17:50 UTC
From: Bob
Topic: 7880 Message: 7880

My Mark V has a power fold back build-in feature that protects the radio from high reflected power caused by high SWR. Does the Orion II have this build-in feature. The reason I ask is that for some reason I have no output power from my OII. I continue to search for the output power problem, but was just wondering about the fold back feature.

Thanks

7881. Re: [orion565] High SWR Protection

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-27 16:42:44 UTC
From: Barry N1EU
Topic: 7880 Message: 7881

If the Orion was folding back, it would indicate High SWR in the display.
The SWR is always indicated when transmitting.

Do you unintentionally have the Keying Loop turned on or the Transmitter
turned off in the TX Menu?

Barry N1EU

On Mon, Feb 27, 2012 at 4:17 PM, Bob <bob.martin@...> wrote:

> **
>
>
> My Mark V has a power fold back build-in feature that protects the radio
> from high reflected power caused by high SWR. Does the Orion II have this
> build-in feature. The reason I ask is that for some reason I have no output
> power from my OII. I continue to search for the output power problem, but
> was just wondering about the fold back feature.
>
> Thanks
>
>
>

[Non-text portions of this message have been removed]

7882. upgrading frustrated

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-27 20:41:27 UTC
From: George
Topic: 7882 Message: 7882

I want to revert back to an earlier version software in my Orion 2 and when I try to upgrade, the Ten Tec upgrade fails and says "error encountered", "communications with the radio has failed bla bla bla".
I know I can communicate with the O2 because my logging program and HRD communicate fine with my O2.
I have the proper Com port set in the Ten Tec upgrade program.
I restart my computer and make sure my logging program or HRD is not running and then try to update the O2 and I still get the error.
I called Ten Tec and they couldn't help me. I did a RAM clear and a Master reset before attempting to upgrade with no help.
Anyone have any suggestions?
Thanks.

George W2YJ

7884. upgrading 566 fails, frustrated

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-27 21:01:43 UTC
From: George
Topic: 7884 Message: 7884

I just upgraded to the latest version last week and it worked fine? Nothing has changed.

I even tried re-installing the latest version again and get the same error?

The Ten Tec program is getting faulty indications.

Is there a step by step recommended procedure that I can follow although I've tried every possible way of doing it with no help.

Any further ideas?

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of catfishtwo@...
Sent: Monday, February 27, 2012 3:52 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] upgrading frustrated

did you download the new version of the installer its at the 566 site the same place where the new stuff is downloaded. its in the addendum to the 566 stuff.

In a message dated 2/27/2012 12:41:19 P.M. Pacific Standard Time, goofyham@... <mailto:goofyham%40rochester.rr.com> writes:

I want to revert back to an earlier version software in my Orion 2 and when I try to upgrade, the Ten Tec upgrade fails and says "error encountered", "communications with the radio has failed bla bla bla".
I know I can communicate with the O2 because my logging program and HRD communicate fine with my O2.
I have the proper Com port set in the Ten Tec upgrade program.
I restart my computer and make sure my logging program or HRD is not running
and then try to update the O2 and I still get the error.
I called Ten Tec and they couldn't help me. I did a RAM clear and a Master reset before attempting to upgrade with no help.
Anyone have any suggestions?
Thanks.

George W2YJ

Yahoo! Groups Links

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2114/4835 - Release Date: 02/27/12

[Non-text portions of this message have been removed]

7885. Re: [orion565] upgrading 566 fails, frustrated

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-27 21:59:09 UTC
From: Per Bekker-Madsen
Topic: 7884 Message: 7885

HI

First thing is to look in HRD which Com Port you are using. (In the HRD main screen press Connect and under New you can see which com port you are using).

Then turn your radio off.
Push the USER2 button and hold it and turn the radio on, when the radio shows Flash Mode in the display release the USER2 button.
Do not touch anything on your radio now.
Run the file you have downloaded from TEN TEC web site. (update.exe)
Select Settings
Select Setup
Check that the marks is set in Serial Port and select the proper Serial port you found in HRD. Press Ok
Select Process
Selct Update Radio
Choose the .ruf file you want the radio updated with.
You should now be able to see in the ORION display that it is updating the radio.
After the update has finished Turn the radio off. Push the Main RX/TX button while you turn the radio on. Answer yes or no to the question coming up in the display.
You have now finished the update.

Good luck

73 Per OZ1EQC & OV2V

2012/2/27 George <goofyham@...>

> **
>
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> I just upgraded to the latest version last week and it worked fine? Nothing
> has changed.
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> Is there a step by step recommended procedure that I can follow although
> I've tried every possible way of doing it with no help.
>
> Any further ideas?
>

> George W2YJ
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of catfishtwo@...
> Sent: Monday, February 27, 2012 3:52 PM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] upgrading frustrated
>
> did you download the new version of the installer its at the 566 site the
> same place where the new stuff is downloaded. its in the addendum to the
> 566 stuff.
>
> In a message dated 2/27/2012 12:41:19 P.M. Pacific Standard Time,
> goofyham@... <mailto:goofyham%40rochester.rr.com> writes:
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>
> Yahoo! Groups Links
>
> [Non-text portions of this message have been removed]
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> No virus found in this message.
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7886. RE: [orion565] upgrading 566 fails, frustrated

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-27 23:59:47 UTC
From: George
Topic: 7884 Message: 7886

Per;
Thanks for the tips but I've been through all this at least 15 times trying different ways. I even changed the Com port that the Orion2 was connected to thinking that the original Com port had a problem with Ten Tec's update process. Same error.
Let me say I did update my O2 just last week and it worked fine.
I can control the O2 fine using HRD or my logging software "DX4WIN" so I know my computer is talking to the O2 just fine.
I even re-started my computer just to be sure HRD or DX4WIN was not somehow holding up my Com port. No help.
It's something with Ten Tec's update process software and my computer.
I'm running Windows7 Home Premium 64 bit.
I'm at wits end but I won't give up!
Thanks for your suggestions.

George W2YJ

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Per Bekker-Madsen
Sent: Monday, February 27, 2012 4:59 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] upgrading 566 fails, frustrated

HI

First thing is to look in HRD which Com Port you are using. (In the HRD main screen press Connect and under New you can see which com port you are using).

Then turn your radio off.
Push the USER2 button and hold it and turn the radio on, when the radio shows Flash Mode in the display release the USER2 button.
Do not touch anything on your radio now.
Run the file you have downloaded from TEN TEC web site. (update.exe) Select Settings Select Setup Check that the marks is set in Serial Port and select the proper Serial port you found in HRD. Press Ok Select Process Selct Update Radio Choose the .ruf file you want the radio updated with.
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Good luck

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Yahoo! Groups Links

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7887. RE: [orion565] upgrading 566 fails, frustrated

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-28 00:13:46 UTC
From: John Hudson
Topic: 7884 Message: 7887

George.. have you tried this.. while the computer is up and running and the radio is on, no logging programs running, plug you cable to the rig and PC and see if it's picking up the new device (rig)?

Just a thought to see if it sees it

Good luck

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of George
Sent: Monday, February 27, 2012 6:00 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] upgrading 566 fails, frustrated

Per;
Thanks for the tips but I've been through all this at least 15 times trying different ways. I even changed the Com port that the Orion2 was connected to thinking that the original Com port had a problem with Ten Tec's update process. Same error.
Let me say I did update my O2 just last week and it worked fine.
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I'm running Windows7 Home Premium 64 bit.
I'm at wits end but I won't give up!
Thanks for your suggestions.

George W2YJ

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From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
Of Per Bekker-Madsen
Sent: Monday, February 27, 2012 4:59 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] upgrading 566 fails, frustrated

HI

First thing is to look in HRD which Com Port you are using. (In the HRD main screen press Connect and under New you can see which com port you are using).

Then turn your radio off.
Push the USER2 button and hold it and turn the radio on, when the radio shows Flash Mode in the display release the USER2 button.
Do not touch anything on your radio now.
Run the file you have downloaded from TEN TEC web site. (update.exe) Select Settings Select Setup Check that the marks is set in Serial Port and select the proper Serial port you found in HRD. Press Ok Select Process Selct Update Radio Choose the .ruf file you want the radio updated with.
You should now be able to see in the ORION display that it is updating the radio.
After the update has finished Turn the radio off. Push the Main RX/TX button while you turn the radio on. Answer yes or no to the question coming up in the display.
You have now finished the update.

Good luck

73 Per OZ1EQC & OV2V

2012/2/27 George <goofyham@...
<mailto:goofyham%40rochester.rr.com> >

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> Any further ideas?
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> George W2YJ
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> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> Behalf Of catfishtwo@... <mailto:catfishtwo%40aol.com>
> Sent: Monday, February 27, 2012 3:52 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] upgrading frustrated
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> did you download the new version of the installer its at the 566 site

> the same place where the new stuff is downloaded. its in the addendum
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[Non-text portions of this message have been removed]

7888. RE: [orion565] upgrading 566 fails, frustrated

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-28 00:33:20 UTC
From: George
Topic: 7884 Message: 7888

Well I got it to start updating but in 10 minutes I've loaded 25 lines of over 9700 lines of code. At this rate I'll be able to use my radio next week, hi.

I re-downloaded the program from TT and it is at least doing something but not at warp speed.

My question is, can I abort this process so I can use my O2 sometime this week or is the code gone from the previous update?

Something just isn't right.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John Hudson
Sent: Monday, February 27, 2012 7:14 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] upgrading 566 fails, frustrated

George.. have you tried this.. while the computer is up and running and the radio is on, no logging programs running, plug you cable to the rig and PC and see if it's picking up the new device (rig)?

Just a thought to see if it sees it

Good luck

John

KO4XJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
Of George
Sent: Monday, February 27, 2012 6:00 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] upgrading 566 fails, frustrated

Per;
Thanks for the tips but I've been through all this at least 15 times trying different ways. I even changed the Com port that the Orion2 was connected to thinking that the original Com port had a problem with Ten Tec's update process. Same error.
Let me say I did update my O2 just last week and it worked fine.
I can control the O2 fine using HRD or my logging software "DX4WIN" so I know my computer is talking to the O2 just fine.

I even re-started my computer just to be sure HRD or DX4WIN was not somehow holding up my Com port. No help.
It's something with Ten Tec's update process software and my computer.
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I'm at wits end but I won't give up!
Thanks for your suggestions.

George W2YJ

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<mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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Behalf
Of Per Bekker-Madsen
Sent: Monday, February 27, 2012 4:59 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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Subject: Re: [orion565] upgrading 566 fails, frustrated

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Then turn your radio off.
Push the USER2 button and hold it and turn the radio on, when the radio shows Flash Mode in the display release the USER2 button.
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After the update has finished Turn the radio off. Push the Main RX/TX button while you turn the radio on. Answer yes or no to the question coming up in the display.
You have now finished the update.

Good luck

73 Per OZ1EQC & OV2V

2012/2/27 George <goofyham@...
<mailto:goofyham%40rochester.rr.com>
<mailto:goofyham%40rochester.rr.com> >

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[Non-text portions of this message have been removed]

7889. Re: [orion565] upgrading 566 fails, frustrated

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-28 00:46:11 UTC
From: TroyW6HV
Topic: 7884 Message: 7889

George,
Have you tried treating the update program as if the computer were running XP SP2? That is, right click on the 566 update program, the select troubleshoot and then let it start as if it was an OS of XP. I have had that work on a few difficult runs.

73,
Troy, W6HV

-----Original Message-----
From: George
Sent: Monday, February 27, 2012 3:59 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] upgrading 566 fails, frustrated

Per;
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I'm at wits end but I won't give up!
Thanks for your suggestions.

George W2YJ

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2012/2/27 George <goofyham@...>

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Yahoo! Groups Links

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Yahoo! Groups Links

7890. RE: [orion565] upgrading 566 fails, frustrated

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-28 00:59:24 UTC
From: George
Topic: 7884 Message: 7890

Yes, I tried the XP mode with no help.

Right now I now have a box with lights on it. Simple process? Right!

At the present rate of downloading I'll have my O2 back in a month if I leave the computer and O2 on and down loading.

Thanks for every ones help.

I won't give up!

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of TroyW6HV
Sent: Monday, February 27, 2012 7:46 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] upgrading 566 fails, frustrated

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Thanks for your suggestions.

George W2YJ

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Of Per Bekker-Madsen
Sent: Monday, February 27, 2012 4:59 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] upgrading 566 fails, frustrated

HI

First thing is to look in HRD which Com Port you are using. (In the HRD main screen press Connect and under New you can see which com port you are using).

Then turn your radio off.
Push the USER2 button and hold it and turn the radio on, when the radio shows Flash Mode in the display release the USER2 button.
Do not touch anything on your radio now.
Run the file you have downloaded from TEN TEC web site. (update.exe) Select Settings Select Setup Check that the marks is set in Serial Port and select the proper Serial port you found in HRD. Press Ok Select Process Selct Update Radio Choose the .ruf file you want the radio updated with.
You should now be able to see in the ORION display that it is updating the radio.
After the update has finished Turn the radio off. Push the Main RX/TX button while you turn the radio on. Answer yes or no to the question coming up in the display.
You have now finished the update.

Good luck

73 Per OZ1EQC & OV2V

2012/2/27 George <goofyham@...
<mailto:goofyham%40rochester.rr.com> >

> **
>
>
> I just upgraded to the latest version last week and it worked fine?
> Nothing has changed.
>
> I even tried re-installing the latest version again and get the same
error?
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> The Ten Tec program is getting faulty indications.
>

> Is there a step by step recommended procedure that I can follow
> although I've tried every possible way of doing it with no help.
>
> Any further ideas?
>
> George W2YJ
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> Behalf Of catfishtwo@... <mailto:catfishtwo%40aol.com>
> Sent: Monday, February 27, 2012 3:52 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] upgrading frustrated
>
> did you download the new version of the installer its at the 566 site
> the same place where the new stuff is downloaded. its in the addendum
> to the
> 566 stuff.
>
> In a message dated 2/27/2012 12:41:19 P.M. Pacific Standard Time,
> goofyham@... <mailto:goofyham%40rochester.rr.com>
<mailto:goofyham%40rochester.rr.com> writes:
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> I want to revert back to an earlier version software in my Orion 2 and
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> Yahoo! Groups Links
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> [Non-text portions of this message have been removed]
>
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7891. RE: [orion565] upgrading 566 fails, frustrated

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-28 01:12:33 UTC
From: art davis
Topic: 7884 Message: 7891

Just to make sure your radio's serial port is working OK, run the attached program, if you haven't already.

To: orion565@yahoogroups.com
From: goofyham@...
Date: Mon, 27 Feb 2012 19:59:24 -0500
Subject: RE: [orion565] upgrading 566 fails, frustrated

Yes, I tried the XP mode with no help.

Right now I now have a box with lights on it. Simple process? Right!

At the present rate of downloading I'll have my O2 back in a month if I

leave the computer and O2 on and down loading.

Thanks for every ones help.

I won't give up!

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf

Of TroyW6HV

Sent: Monday, February 27, 2012 7:46 PM

To: orion565@yahoogroups.com

Subject: Re: [orion565] upgrading 566 fails, frustrated

George,

Have you tried treating the update program as if the computer were running

XP SP2? That is, right click on the 566 update program, the select

troubleshoot and then let it start as if it was an OS of XP. I have had that

work on a few difficult runs.

73,

Troy, W6HV

-----Original Message-----

From: George

Sent: Monday, February 27, 2012 3:59 PM

To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

Subject: RE: [orion565] upgrading 566 fails, frustrated

Per;

Thanks for the tips but I've been through all this at least 15 times trying different ways. I even changed the Com port that the Orion2 was connected to thinking that the original Com port had a problem with Ten Tec's update process. Same error.

Let me say I did update my O2 just last week and it worked fine.

I can control the O2 fine using HRD or my logging software "DX4WIN" so I know my computer is talking to the O2 just fine.

I even re-started my computer just to be sure HRD or DX4WIN was not somehow holding up my Com port. No help.

It's something with Ten Tec's update process software and my computer.

I'm running Windows7 Home Premium 64 bit.

I'm at wits end but I won't give up!

Thanks for your suggestions.

George W2YJ

-----Original Message-----

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf

Of Per Bekker-Madsen

Sent: Monday, February 27, 2012 4:59 PM

To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

Subject: Re: [orion565] upgrading 566 fails, frustrated

HI

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You have now finished the update.

Good luck

73 Per OZ1EQC & OV2V

2012/2/27 George <goofyham@...
<mailto:goofyham%40rochester.rr.com> >

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> Nothing has changed.

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> Is there a step by step recommended procedure that I can follow

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> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On

> Behalf Of catfishtwo@... <mailto:catfishtwo%40aol.com>

> Sent: Monday, February 27, 2012 3:52 PM

> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

> Subject: Re: [orion565] upgrading frustrated

>

> did you download the new version of the installer its at the 566 site

> the same place where the new stuff is downloaded. its in the addendum

> to the

> 566 stuff.

>

> In a message dated 2/27/2012 12:41:19 P.M. Pacific Standard Time,

> goofyham@... <mailto:goofyham%40rochester.rr.com>

<mailto:goofyham%40rochester.rr.com> writes:

>

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> I called Ten Tec and they couldn't help me. I did a RAM clear and a

> Master reset before attempting to upgrade with no help.

> Anyone have any suggestions?

> Thanks.

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> George W2YJ

>

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> Yahoo! Groups Links

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7892. RE: [orion565] upgrading 566 fails, frustrated

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-28 01:41:51 UTC
From: George
Topic: 7884 Message: 7892

I was able to get the O2 updated. I had to change the com port on the desk-top. It was the 3'ed com port I tried and it went OK. When will rig Manufactures use USB to communicate like my Icom IC-7600. Much easier.

My O2 is back up and running.

Thanks for everyone's help.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of TroyW6HV
Sent: Monday, February 27, 2012 7:46 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] upgrading 566 fails, frustrated

George,
Have you tried treating the update program as if the computer were running XP SP2? That is, right click on the 566 update program, the select troubleshoot and then let it start as if it was an OS of XP. I have had that

work on a few difficult runs.

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Troy, W6HV

-----Original Message-----
From: George
Sent: Monday, February 27, 2012 3:59 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] upgrading 566 fails, frustrated

Per;
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Let me say I did update my O2 just last week and it worked fine.
I can control the O2 fine using HRD or my logging software "DX4WIN" so I know my computer is talking to the O2 just fine.
I even re-started my computer just to be sure HRD or DX4WIN was not somehow holding up my Com port. No help.
It's something with Ten Tec's update process software and my computer.
I'm running Windows7 Home Premium 64 bit.
I'm at wits end but I won't give up!
Thanks for your suggestions.

George W2YJ

-----Original Message-----
From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
Behalf
Of Per Bekker-Madsen
Sent: Monday, February 27, 2012 4:59 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] upgrading 566 fails, frustrated

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Good luck

73 Per OZ1EQC & OV2V

2012/2/27 George <goofyham@...
<mailto:goofyham%40rochester.rr.com> >

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> although I've tried every possible way of doing it with no help.
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> Behalf Of catfishtwo@... <mailto:catfishtwo%40aol.com>
> Sent: Monday, February 27, 2012 3:52 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] upgrading frustrated
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> did you download the new version of the installer its at the 566 site
> the same place where the new stuff is downloaded. its in the addendum
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[Non-text portions of this message have been removed]

7893. update frustrated O2

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-28 13:30:20 UTC
From: George
Topic: 7893 Message: 7893

As I mentioned in a previous EMAIL I got my O2 upgraded but it was not easy. I had to go through 3 com ports on my computer before I found one that worked when even all three communicated with the O2 using HRD and my logging software DX4WIN.
My question now is, is there a good 4 port internal or external com port to a, high speed USB 3.0, external card or a good internal card available these days?
I currently have 2 internal 4 port serial cards installed and they both caused me O2 upgrade problems but work fine for HRD and DX4WIN communications.
Anyone making a good 4 port card these days?
Thanks.

George W2YJ

7894. RE: [orion565] upgrading 566 fails, frustrated

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-28 13:32:29 UTC
From: George
Topic: 7884 Message: 7894

Art;
What attached program? I don't see any attached program in your EMAIL?
Thanks.

George W2YJ

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of art davis
Sent: Monday, February 27, 2012 8:13 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] upgrading 566 fails, frustrated

Just to make sure your radio's serial port is working OK, run the attached program, if you haven't already.

To: orion565@yahoogroups.com
From: goofyham@...
Date: Mon, 27 Feb 2012 19:59:24 -0500
Subject: RE: [orion565] upgrading 566 fails, frustrated

Yes, I tried the XP mode with no help.

Right now I now have a box with lights on it. Simple process? Right!

At the present rate of downloading I'll have my O2 back in a month if I

leave the computer and O2 on and down loading.

Thanks for every ones help.

I won't give up!

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf

Of TroyW6HV

Sent: Monday, February 27, 2012 7:46 PM

To: orion565@yahoogroups.com

Subject: Re: [orion565] upgrading 566 fails, frustrated

George,

Have you tried treating the update program as if the computer were running

XP SP2? That is, right click on the 566 update program, the select

troubleshoot and then let it start as if it was an OS of XP. I have had that work on a few difficult runs.

73,

Troy, W6HV

-----Original Message-----

From: George

Sent: Monday, February 27, 2012 3:59 PM

To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

Subject: RE: [orion565] upgrading 566 fails, frustrated

Per;

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I even re-started my computer just to be sure HRD or DX4WIN was not somehow holding up my Com port. No help.

It's something with Ten Tec's update process software and my computer.

I'm running Windows7 Home Premium 64 bit.

I'm at wits end but I won't give up!

Thanks for your suggestions.

George W2YJ

-----Original Message-----

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf

Of Per Bekker-Madsen

Sent: Monday, February 27, 2012 4:59 PM

To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

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Good luck

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> Sent: Monday, February 27, 2012 3:52 PM

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<mailto:goofyham%40rochester.rr.com> writes:

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> Yahoo! Groups Links

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> [Non-text portions of this message have been removed]

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7895. 565 with ver 3.030 SAF

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-28 15:54:02 UTC
From: John Hudson
Topic: 7895 Message: 7895

First, THANKS, for getting rid of the garbage on the display. I almost sent this rig back to get it fixed!! But that's gone now but I have 1 small issue that really does not effect anything and was wondering if anyone else had it. If I shut the rig off while SAF is turned on and then I turn the rig on, whenever, the SAF is still showing turned on via the display but SOMETIMES it's not functioning. When this happens I cycle through the SAF to off then back on and then it works. Not a issue that bothers me too bad but I'd like to know is it my setup or is it a software bug? Again this does not happen every time but it does often

Thanks for the updates,

John

KO4XJ

[Non-text portions of this message have been removed]

7896. Re: [orion565] upgrading 566 fails, frustrated

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-28 15:58:57 UTC
From: Richard
Topic: 7884 Message: 7896

All this sounds very complicated. I live an hour from the factory. I think after all the dust settles I will take the Orion II to them and let them upgrade it for a fee.

C. Richard Pumphrey

NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

On Feb 27, 2012, at 7:59 PM, "George" <goofyham@...> wrote:

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>
> Right now I now have a box with lights on it. Simple process? Right!
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> At the present rate of downloading I'll have my O2 back in a month if I
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> I won't give up!
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> Sent: Monday, February 27, 2012 7:46 PM
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> Subject: Re: [orion565] upgrading 566 fails, frustrated
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> Have you tried treating the update program as if the computer were running
> XP SP2? That is, right click on the 566 update program, the select
> troubleshoot and then let it start as if it was an OS of XP. I have had that
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> work on a few difficult runs.
>
> 73,
> Troy, W6HV
>
> -----Original Message-----
> From: George
> Sent: Monday, February 27, 2012 3:59 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: RE: [orion565] upgrading 566 fails, frustrated

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> Per;
> Thanks for the tips but I've been through all this at least 15 times trying
> different ways. I even changed the Com port that the Orion2 was connected to
> thinking that the original Com port had a problem with Ten Tec's update
> process. Same error.
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> I even re-started my computer just to be sure HRD or DX4WIN was not somehow
> holding up my Com port. No help.
> It's something with Ten Tec's update process software and my computer.
> I'm running Windows7 Home Premium 64 bit.
> I'm at wits end but I won't give up!
> Thanks for your suggestions.
>
> George W2YJ
>
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> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of Per Bekker-Madsen
> Sent: Monday, February 27, 2012 4:59 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] upgrading 566 fails, frustrated
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> HI
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> First thing is to look in HRD which Com Port you are using. (In the HRD main
> screen press Connect and under New you can see which com port you are
> using).
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> Then turn your radio off.
> Push the USER2 button and hold it and turn the radio on, when the radio
> shows Flash Mode in the display release the USER2 button.
> Do not touch anything on your radio now.
> Run the file you have downloaded from TEN TEC web site. (update.exe) Select
> Settings Select Setup Check that the marks is set in Serial Port and select
> the proper Serial port you found in HRD. Press Ok Select Process Selct
> Update Radio Choose the .ruf file you want the radio updated with.
> You should now be able to see in the ORION display that it is updating the
> radio.
> After the update has finished Turn the radio off. Push the Main RX/TX button
> while you turn the radio on. Answer yes or no to the question coming up in
> the display.
> You have now finished the update.
>
> Good luck
>

> 73 Per OZ1EQC & OV2V
>
> 2012/2/27 George <goofyham@rochester.rr.com
> <mailto:goofyham%40rochester.rr.com> >
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> > Behalf Of catfishtwo@... <mailto:catfishtwo%40aol.com>
> > Sent: Monday, February 27, 2012 3:52 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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> > did you download the new version of the installer its at the 566 site
> > the same place where the new stuff is downloaded. its in the addendum
> > to the
> > 566 stuff.
> >
> > In a message dated 2/27/2012 12:41:19 P.M. Pacific Standard Time,
> > goofyham@... <mailto:goofyham%40rochester.rr.com>
> <mailto:goofyham%40rochester.rr.com> writes:
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> > when I try to upgrade, the Ten Tec upgrade fails and says "error
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> > I know I can communicate with the O2 because my logging program and
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> > I have the proper Com port set in the Ten Tec upgrade program.
> > I restart my computer and make sure my logging program or HRD is not
> > running and then try to update the O2 and I still get the error.
> > I called Ten Tec and they couldn't help me. I did a RAM clear and a
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> > Anyone have any suggestions?

> > Thanks.
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> > Yahoo! Groups Links
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7897. Re: [orion565] upgrading 566 fails, frustrated

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-28 16:06:51 UTC
From: Barry N1EU
Topic: 7884 Message: 7897

It's a computer issue and how we fare depends on:

- our computer expertise
- how often we use CAT control software with our Orion
- how readily we can troubleshoot computer port issues
- long term unperturbed state of the serial port used with Orion

Barry N1EU

On Tue, Feb 28, 2012 at 3:58 PM, Richard <wn9ddv@...> wrote:

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> All this sounds very complicated. I live an hour from the factory. I think
> after all the dust settles I will take the Orion II to them and let them
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> years ago.
>
>
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> On Feb 27, 2012, at 7:59 PM, "George" <goofyham@...> wrote:
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> > Yes, I tried the XP mode with no help.
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> > Right now I now have a box with lights on it. Simple process? Right!
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> > At the present rate of downloading I'll have my O2 back in a month if I
> > leave the computer and O2 on and down loading.
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> > Thanks for every ones help.
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> > I won't give up!
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> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
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7898. Re: [orion565] upgrading 566 fails, frustrated

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-28 16:29:41 UTC
From: Richard
Topic: 7884 Message: 7898

Barry this is easy:

1). I am pretty good with computers, but not with hardware and programming.
2). Never. Purchased it a few months ago.
3). Know nothing about ports or issues.
4). I don't even know what this means.

Anyone else in my boat?

C. Richard Pumphrey

NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

On Feb 28, 2012, at 11:06 AM, Barry N1EU <barry.n1eu@...> wrote:

> It's a computer issue and how we fare depends on:
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> - our computer expertise
> - how often we use CAT control software with our Orion
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> >
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>

[Non-text portions of this message have been removed]

7899. updated O2 but received this at the end?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-28 19:39:54 UTC
From: George
Topic: 7899 Message: 7899

My O2 was updated this morning and is running but at the end of the update I received the message in parenthesis even though the rig is working? I went back to a previous version to test my non-working RIT control to see if software had something to do with it not working. I now know the RIT encoder needs to be replaced and I ordered one.

"Unable to update the radios flash memory with the selected file. Confirm that the radio is connected and powered and that the file is a valid ROM update file (RUF) for this radio."

What does this mean?

Thanks.

George W2YJ

7900. RE: [orion565] upgrading 566 fails, frustrated

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-29 04:25:00 UTC
From: art davis
Topic: 7884 Message: 7900

Sorry George, old-timers disease kicking in again!

Go to http://groups.yahoo.com/group/orion565/files/ and get the file folder called Serial Port Testing submitted by PA1AP.
To: orion565@yahoogroups.com
From: goofyham@...
Date: Tue, 28 Feb 2012 08:32:29 -0500
Subject: RE: [orion565] upgrading 566 fails, frustrated

Art;

What attached program? I don't see any attached program in your EMAIL?

Thanks.

George W2YJ

-----Original Message-----

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf

Of art davis

Sent: Monday, February 27, 2012 8:13 PM

To: orion565@yahoogroups.com

Subject: RE: [orion565] upgrading 566 fails, frustrated

Just to make sure your radio's serial port is working OK, run the attached

program, if you haven't already.

To: orion565@yahoogroups.com

From: goofyham@...

Date: Mon, 27 Feb 2012 19:59:24 -0500

Subject: RE: [orion565] upgrading 566 fails, frustrated

Yes, I tried the XP mode with no help.

Right now I now have a box with lights on it. Simple process? Right!

At the present rate of downloading I'll have my O2 back in a month if I

leave the computer and O2 on and down loading.

Thanks for every ones help.

I won't give up!

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of TroyW6HV

Sent: Monday, February 27, 2012 7:46 PM

To: orion565@yahoogroups.com

Subject: Re: [orion565] upgrading 566 fails, frustrated

George,

Have you tried treating the update program as if the computer were running XP SP2? That is, right click on the 566 update program, the select troubleshoot and then let it start as if it was an OS of XP. I have had that work on a few difficult runs.

73,

Troy, W6HV

-----Original Message-----

From: George

Sent: Monday, February 27, 2012 3:59 PM

To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

Subject: RE: [orion565] upgrading 566 fails, frustrated

Per;

Thanks for the tips but I've been through all this at least 15 times trying different ways. I even changed the Com port that the Orion2 was connected to thinking that the original Com port had a problem with Ten Tec's update process. Same error.

Let me say I did update my O2 just last week and it worked fine.

I can control the O2 fine using HRD or my logging software "DX4WIN" so I know my computer is talking to the O2 just fine.

I even re-started my computer just to be sure HRD or DX4WIN was not somehow holding up my Com port. No help.

It's something with Ten Tec's update process software and my computer.

I'm running Windows7 Home Premium 64 bit.

I'm at wits end but I won't give up!

Thanks for your suggestions.

George W2YJ

-----Original Message-----

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On

Behalf

Of Per Bekker-Madsen

Sent: Monday, February 27, 2012 4:59 PM

To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

Subject: Re: [orion565] upgrading 566 fails, frustrated

HI

First thing is to look in HRD which Com Port you are using. (In the HRD main

screen press Connect and under New you can see which com port you are

using).

Then turn your radio off.

Push the USER2 button and hold it and turn the radio on, when the radio

shows Flash Mode in the display release the USER2 button.

Do not touch anything on your radio now.

Run the file you have downloaded from TEN TEC web site. (update.exe) Select

Settings Select Setup Check that the marks is set in Serial Port and select

the proper Serial port you found in HRD. Press Ok Select Process Selct

Update Radio Choose the .ruf file you want the radio updated with.

You should now be able to see in the ORION display that it is updating the

radio.

After the update has finished Turn the radio off. Push the Main RX/TX button

while you turn the radio on. Answer yes or no to the question coming up in

the display.

You have now finished the update.

Good luck

73 Per OZ1EQC & OV2V

2012/2/27 George <goofyham@rochester.rr.com

<mailto:goofyham%40rochester.rr.com> >

> **

>

>

> I just upgraded to the latest version last week and it worked fine?

> Nothing has changed.

>

> I even tried re-installing the latest version again and get the same

error?

>

> The Ten Tec program is getting faulty indications.

>

> Is there a step by step recommended procedure that I can follow

> although I've tried every possible way of doing it with no help.

>

> Any further ideas?

>

> George W2YJ

>

> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On

> Behalf Of catfishtwo@... <mailto:catfishtwo%40aol.com>

> Sent: Monday, February 27, 2012 3:52 PM

> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

> Subject: Re: [orion565] upgrading frustrated

>

> did you download the new version of the installer its at the 566 site

> the same place where the new stuff is downloaded. its in the addendum

> to the

> 566 stuff.

>

> In a message dated 2/27/2012 12:41:19 P.M. Pacific Standard Time,

> goofyham@... <mailto:goofyham%40rochester.rr.com>

<mailto:goofyham%40rochester.rr.com> writes:

>

> I want to revert back to an earlier version software in my Orion 2 and

> when I try to upgrade, the Ten Tec upgrade fails and says "error

> encountered", "communications with the radio has failed bla bla bla".

> I know I can communicate with the O2 because my logging program and

> HRD communicate fine with my O2.

> I have the proper Com port set in the Ten Tec upgrade program.

> I restart my computer and make sure my logging program or HRD is not

> running and then try to update the O2 and I still get the error.

> I called Ten Tec and they couldn't help me. I did a RAM clear and a

> Master reset before attempting to upgrade with no help.

> Anyone have any suggestions?

> Thanks.

>

> George W2YJ

>

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> Yahoo! Groups Links

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> [Non-text portions of this message have been removed]

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> No virus found in this message.

> Checked by AVG - www.avg.com

> Version: 2012.0.1913 / Virus Database: 2114/4835 - Release Date:

> 02/27/12

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> [Non-text portions of this message have been removed]

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Yahoo! Groups Links

No virus found in this message.

Checked by AVG - www.avg.com

Version: 2012.0.1913 / Virus Database: 2114/4835 - Release Date: 02/27/12

Yahoo! Groups Links

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No virus found in this message.

Checked by AVG - www.avg.com

Version: 2012.0.1913 / Virus Database: 2114/4835 - Release Date: 02/27/12

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.

Checked by AVG - www.avg.com

Version: 2012.0.1913 / Virus Database: 2114/4835 - Release Date: 02/27/12

[Non-text portions of this message have been removed]

7901. Re: update frustrated O2

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-29 14:13:42 UTC
From: floydsense
Topic: 7893 Message: 7901

George - the answer is yes, but you may still have problems doing the firmware upgrade even with the best of cards. Contrary to popular belief, serial port cards are now being sold that fit the very small PCIe connectors on modern motherboards. Go to newegg.com and search on "4 port serial cards" and you'll find at least three of them. I bought a 2 port PCIe card recently while battling the firmware download problem. The problem is, you still have to deal with the shared IRQ problem and that can kill the download performance. What your new card will be sharing IRQs with depends on your hardware configuration, motherboard, etc. In my case, the only solutions that worked properly for the upgrade were: using the single com port on the motherboard (does NOT share an IRQ), and, using a USB/serial port converter cable.

It seems to me that Tentec could save themselves and Orion users a lot of grief if they would simply address the reason that their upgrade program fails to work properly on ports that work flawlessly with EVERY OTHER CAT application. I've found that Onno's Serial Port Testing program found in the files section here ran perfectly on a couple of my serial ports, but the Orion upgrade program simply would not work.

Someone with access to the upgrade code should be able to determine what the differences are and do something about it. I would certainly volunteer my time to assist with testing and get this thing put to bed forever.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "George" <goofyham@...> wrote:
<<snip>>
> Anyone making a good 4 port card these days?
> Thanks.
>
> George W2YJ
>

7902. RE: [orion565] Re: update frustrated O2

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-29 14:26:26 UTC
From: George
Topic: 7893 Message: 7902

Floyd;

WOW someone recognizes my problem. Are you suggesting I go for the single cable USB to Serial? I have one that I could try and let you know.

Thanks for your response and I guess this is an ongoing problem.

I called Ten Tec service department when I was having this problem the other day and they had no solution.

I am running two 4 port serial PCI cards in my computer and suspect some ports share interrupts or something like that. I could take a look at all the Com ports interrupts and see if there are any that don't share interrupts??

I have a 6 month old Intel MoBo and a Sandy Bridge I5 Intel processor with 6GB of ram on a W7 64 bit machine so I have the speed.

Thanks again for your suggestions.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of floydsense
Sent: Wednesday, February 29, 2012 9:14 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: update frustrated O2

George - the answer is yes, but you may still have problems doing the firmware upgrade even with the best of cards. Contrary to popular belief, serial port cards are now being sold that fit the very small PCIe connectors on modern motherboards. Go to newegg.com and search on "4 port serial cards" and you'll find at least three of them. I bought a 2 port PCIe card recently while battling the firmware download problem. The problem is, you still have to deal with the shared IRQ problem and that can kill the download performance. What your new card will be sharing IRQs with depends on your hardware configuration, motherboard, etc. In my case, the only solutions that worked properly for the upgrade were: using the single com port on the motherboard (does NOT share an IRQ), and, using a USB/serial port converter cable.

It seems to me that Tentec could save themselves and Orion users a lot of grief if they would simply address the reason that their upgrade program fails to work properly on ports that work flawlessly with EVERY OTHER CAT application. I've found that Onno's Serial Port Testing program found in the files section here ran perfectly on a couple of my serial ports, but the Orion upgrade program simply would not work.

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<<snip>>
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> Thanks.
>
> George W2YJ
>

_____

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2114/4837 - Release Date: 02/28/12

[Non-text portions of this message have been removed]

7903. RE: [orion565] Re: update frustrated O2

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-29 14:38:40 UTC
From: George
Topic: 7893 Message: 7903

Floyd;

Here is what I found with my two 4 port com boards. One says in, device manager, that it is a "pci to serial port" and the other card, a newer one, says "pci to high speed serial port".

The card that says "pci serial port" all the ports share a common interrupt of (12). The high speed serial card has different interrupts except for one of it's ports share interrupt with the slower card of (12).

I suspect this was the answer to not use a COM port that shares interrupt?

I see that the successful upgrade was on a COM port that had a unique interrupt.

Is this the answer? Interrupt sharing?

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of floydsense
Sent: Wednesday, February 29, 2012 9:14 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: update frustrated O2

George - the answer is yes, but you may still have problems doing the firmware upgrade even with the best of cards. Contrary to popular belief, serial port cards are now being sold that fit the very small PCIe connectors on modern motherboards. Go to newegg.com and search on "4 port serial cards" and you'll find at least three of them. I bought a 2 port PCIe card recently while battling the firmware download problem. The problem is, you still have to deal with the shared IRQ problem and that can kill the download performance. What your new card will be sharing IRQs with depends on your hardware configuration, motherboard, etc. In my case, the only solutions that worked properly for the upgrade were: using the single com port on the motherboard (does NOT share an IRQ), and, using a USB/serial port converter cable.

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> George W2YJ
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No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2114/4837 - Release Date: 02/28/12

[Non-text portions of this message have been removed]

7904. RE: [orion566] Re: update frustrated O2 FINAL SOLOUTION!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-29 15:09:23 UTC
From: George
Topic: 7904 Message: 7904

Here is what I found with updating my O2 and the COM port cards.

1. Four port PCI internal card with shared interrupts, O2 would not update.

2. Four port PCI internal "high speed card" unique interrupts, O2 took 45 minutes to update.

3. USB to Serial cable O2 took 6 minutes to update.

I learned a lesson about those PCI internal 4 port cards. They are OK but not good for O2 updating.

You think TT would have known this and told me?

This is put to bed for me.

Thanks to everyone for helping me.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of floydsense
Sent: Wednesday, February 29, 2012 9:14 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: update frustrated O2

George - the answer is yes, but you may still have problems doing the firmware upgrade even with the best of cards. Contrary to popular belief, serial port cards are now being sold that fit the very small PCIe connectors on modern motherboards. Go to newegg.com and search on "4 port serial cards" and you'll find at least three of them. I bought a 2 port PCIe card recently while battling the firmware download problem. The problem is, you still have to deal with the shared IRQ problem and that can kill the download performance. What your new card will be sharing IRQs with depends on your hardware configuration, motherboard, etc. In my case, the only solutions that worked properly for the upgrade were: using the single com port on the motherboard (does NOT share an IRQ), and, using a USB/serial port converter cable.

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_____

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2114/4837 - Release Date: 02/28/12

[Non-text portions of this message have been removed]

7905. Re: update frustrated O2

Yahoo group: orion565 (2009 — 2013)
Date: 2012-02-29 22:52:59 UTC
From: floydsense
Topic: 7893 Message: 7905

I suggest you go to Device Manager, select View from the top bar and then select "Resources by Connection". The resulting list will show you the IRQ used by each device in parentheses. On my system, there's one serial port on the motherboard, COM1, and that's the only device that uses IRQ 4. I have a 2 port PCI card and a 2 port PCIe card, both of which are seen to share IRQs with other devices on the system. Whether or not that is the root of the problem, I don't know. What I know is that the port on the motherboard works for the upgrade just fine. The 2 PCI ports won't work at all for the update. The 2 PCIe ports work, but the transfer runs so slowly that it would take a day to do the upgrade.

I can also use a USB to serial converter cable to run the upgrade just fine. I have a half dozen other programs that can access the Orion just fine over the ports that don't work for the upgrade program. One of these is Onno's serial port testing program.

If you have a serial port on the motherboard, I'd suggest using that, and otherwise use a USB/serial converter cable. I suspect the IRQ sharing has something to do with the problem, but I say that only because my unshared port works for upgrade, while none of the shared IRQ ports do.

Floyd

--- In orion565@yahoogroups.com, "George" <goofyham@...> wrote:
>
> Floyd;
>
> WOW someone recognizes my problem. Are you suggesting I go for the single
> cable USB to Serial? I have one that I could try and let you know.
>
> Thanks for your response and I guess this is an ongoing problem.
>
> I called Ten Tec service department when I was having this problem the other
> day and they had no solution.
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> I am running two 4 port serial PCI cards in my computer and suspect some
> ports share interrupts or something like that. I could take a look at all
> the Com ports interrupts and see if there are any that don't share
> interrupts??
>
> I have a 6 month old Intel MoBo and a Sandy Bridge I5 Intel processor with
> 6GB of ram on a W7 64 bit machine so I have the speed.
>
> Thanks again for your suggestions.
>
>
>
> George W2YJ
>

>
>

7906. RE: [orion565] Re: update frustrated O2

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-01 00:27:35 UTC
From: George
Topic: 7893 Message: 7906

Floyd;

It's solved. I did note the shared interrupts and that was the problem. I am now using a USB to serial cable and it works fine for updating the O2.

Thanks.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of floydsense
Sent: Wednesday, February 29, 2012 5:53 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: update frustrated O2

I suggest you go to Device Manager, select View from the top bar and then select "Resources by Connection". The resulting list will show you the IRQ used by each device in parentheses. On my system, there's one serial port on the motherboard, COM1, and that's the only device that uses IRQ 4. I have a 2 port PCI card and a 2 port PCIe card, both of which are seen to share IRQs with other devices on the system. Whether or not that is the root of the problem, I don't know. What I know is that the port on the motherboard works for the upgrade just fine. The 2 PCI ports won't work at all for the update. The 2 PCIe ports work, but the transfer runs so slowly that it would take a day to do the upgrade.

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Floyd

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "George" <goofyham@...> wrote:
>
> Floyd;
>
> WOW someone recognizes my problem. Are you suggesting I go for the single
> cable USB to Serial? I have one that I could try and let you know.
>
> Thanks for your response and I guess this is an ongoing problem.

>
> I called Ten Tec service department when I was having this problem the
other
> day and they had no solution.
>
> I am running two 4 port serial PCI cards in my computer and suspect some
> ports share interrupts or something like that. I could take a look at all
> the Com ports interrupts and see if there are any that don't share
> interrupts??
>
> I have a 6 month old Intel MoBo and a Sandy Bridge I5 Intel processor with
> 6GB of ram on a W7 64 bit machine so I have the speed.
>
> Thanks again for your suggestions.
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>
> George W2YJ
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No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2114/4840 - Release Date: 02/28/12

[Non-text portions of this message have been removed]

7907. [orion566] Re: update frustrated O2 FINAL SOLOUTION!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-01 16:00:25 UTC
From: ve7tk
Topic: 7904 Message: 7907

Call me crazy but WHY do you think that Ten-Tec should know that some of your hardware is not capable of doing the data transfer for the Orion update?

RS-232 is a standard interface with the standards pretty well spelled out. Unfortunately since the creation of the standard some manufacturers and software developers have chosen to ignore part of the RS-232 criteria.

In most cases they get away with these "adjustments" but in many cases they do not. Add to this mess a conversion from serial to USB and the problems begin to multiply.

So to blame a type of serial card is not quite right. It may well be that the blame should be pointed at a specific card manufacturer or even at one particular card that they produce.

USB to serial converters, both external and internal are not all created equal and the problem you describe certainly does not rest with Ten-Tec.

73, Rick
VE7TK

--- In orion565@yahoogroups.com, "George" <goofyham@...> wrote:
>
>
> ***** SNIP *********
>
>
> You think TT would have known this and told me?
>
>
>
> This is put to bed for me.
>
> Thanks to everyone for helping me.
>
>
>
> George W2YJ
>
>
>

7908. A9 board debug

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-01 21:22:58 UTC
From: Adi Toplician
Topic: 7908 Message: 7908

Hello

anyone try to debug A9 board? After replacing C6, C7, C9 (470u) with Low ESR caps the rig stop working. 13.8V present but no 5V (only 0.5V) and no -20V (only -3V).
I also replace the LT1054CS8, but still no potential.
Any hint will be appreciated.
Thanks in advance!

73! Adi
yo2liw

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==========
Adrian Toplician
0721 367 850
Timisoara
YO2LIW

[Non-text portions of this message have been removed]

7909. RE: [orion565] A9 board debug

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-01 23:54:38 UTC
From: art davis
Topic: 7908 Message: 7909

Hi Adi. Why did you replace the LT1054? Were you not getting -20.5 V? This voltage powers the LCD display.

Look at all the solder joints you performed with a magnifying glass if possible and make sure they are clean. Then just start working through the components until you find no voltage. There aren't that many so it shouldn't take long time. Make sure to measure all voltages on the pins of the LT1054.

GL, 73
Art N4UC

To: orion565@yahoogroups.com
From: adi.top@...
Date: Thu, 1 Mar 2012 23:22:58 +0200
Subject: [orion565] A9 board debug

Hello

anyone try to debug A9 board? After replacing C6, C7, C9 (470u) with Low

ESR caps the rig stop working. 13.8V present but no 5V (only 0.5V) and no

-20V (only -3V).

I also replace the LT1054CS8, but still no potential.

Any hint will be appreciated.

Thanks in advance!

73! Adi

yo2liw

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Adrian Toplician

0721 367 850

Timisoara

YO2LIW

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7910. Re: [orion565] A9 board debug

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-02 00:50:46 UTC
From: Adi Toplician
Topic: 7908 Message: 7910

Hi Art

thanks for reply. Yes, -20V was missing as well as +5V. Fortunately I was able to fix the board just couple of minutes ago. On the capacitor replacement procedure, some solder joints was exfoliated and there was a missing ground. Now I fix that and do the upgrade to V3.

Thank you!

All the best from YO land!

73! Adi
yo2liw

On Fri, Mar 2, 2012 at 1:54 AM, art davis <n4uc@...> wrote:

> Hi Adi. Why did you replace the LT1054? Were you not getting -20.5 V? This
> voltage powers the LCD display.
>
> Look at all the solder joints you performed with a magnifying glass if
> possible and make sure they are clean. Then just start working through the
> components until you find no voltage. There aren't that many so it
> shouldn't take long time. Make sure to measure all voltages on the pins of
> the LT1054.
>
> GL, 73
> Art N4UC
>
>
>
> To: orion565@yahoogroups.com
> From: adi.top@...
> Date: Thu, 1 Mar 2012 23:22:58 +0200
> Subject: [orion565] A9 board debug
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>
> Any hint will be appreciated.
>
> Thanks in advance!
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> 73! Adi
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> yo2liw
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> ==========
>
> Adrian Toplician
>
> 0721 367 850

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> Timisoara
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> YO2LIW
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> Yahoo! Groups Links
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Adrian Toplician
0721 367 850
Timisoara
YO2LIW

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7911. [orion566] Re: update frustrated O2 FINAL SOLOUTION!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-02 05:10:07 UTC
From: floydsense
Topic: 7904 Message: 7911

Rick - regardless of all this, the genesis of this situation is that there's something different about the Upgrade program and how it's using the Com ports. I was writing code for RS-232 interfaces decades ago and you're right - many developers ignore many aspects of the protocol and the basic reason is that it's possible to get data to flow without following the protocol of the interface lines. So, both software and hardware developers take shortcuts and in many cases those shortcuts fail.

And, problems are much more likely to occur with clock speeds of 56 kbps. It may well be that the Tentec code is following the RS-232 protocol precisely and it's the only program of the many that we use with the Orion interface that does things right. But, we really don't know anything about the error because the Tentec code doesn't give a clue what the problem might be. No need to guess here - the code detected SOMETHING that either didn't occur, or that occurred in error. Anyone writing communications code ought to know that it's important to reveal the details of an error so that someone can do something about it. This situation with the Upgrade code is especially absurd since Onno's Serial Port testing program is able to communicate perfectly with the Orion over the same port that the Upgrade program fails on 100% of the time.

What I expect is that someone at Tentec would at least take a hard look at what the differences in the code are and take a stab at a solution. Instead, Tectec remains silent on the issue. They wrote the code, they distribute it and they should be responsible for resolving these issues.

73, K8AC

--- In orion565@yahoogroups.com, "ve7tk" <ve7tk@...> wrote:
>
> Call me crazy but WHY do you think that Ten-Tec should know that some of your hardware is not capable of doing the data transfer for the Orion update?
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> RS-232 is a standard interface with the standards pretty well spelled out. Unfortunately since the creation of the standard some manufacturers and software developers have chosen to ignore part of the RS-232 criteria.
>
> In most cases they get away with these "adjustments" but in many cases they do not. Add to this mess a conversion from serial to USB and the problems begin to multiply.
>
> So to blame a type of serial card is not quite right. It may well be that the blame should be pointed at a specific card manufacturer or even at one particular card that they produce.
>
> USB to serial converters, both external and internal are not all created equal and the problem you describe certainly does not rest with Ten-Tec.
>
> 73, Rick
> VE7TK

>
>
> --- In orion565@yahoogroups.com, "George" <goofyham@> wrote:
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> > ***** SNIP *********
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> >
> > You think TT would have known this and told me?
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> >
> > This is put to bed for me.
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> > Thanks to everyone for helping me.
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> > George W2YJ
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7912. Orion 565 V3 upgrade (3.30) impressions

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-02 10:12:16 UTC
From: Adi Toplician
Topic: 7912 Message: 7912

Hello

some impressions after Orion 565 V3 upgrade.

1. rig response/menu access quite slow.Rotating the encoder result in a slow change of the value, for example RF gain or navigating through menus. Is that because of the hardware platform a little old for the new software or I did something wrong?
Anyone notice that?

2. SAF is working very good, but it will be great to have the possibility to memorize the settings by mode.

3. Receiver (although great) it seems quieter now.

73! Adi
yo2liw

[Non-text portions of this message have been removed]

7913. Re: [orion565] Orion 565 V3 upgrade (3.30) impressions

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-02 13:50:45 UTC
From: Per Bekker-Madsen
Topic: 7912 Message: 7913

Had the same experience, but made a Master Reset and a RAM clear, and then
I flashed it one more time and now it works as it should.

Knd rgds

Per OZ1EQC

2012/3/2 Adi Toplician <adi.top@...>

> **
>
>
> Hello
>
> some impressions after Orion 565 V3 upgrade.
>
> 1. rig response/menu access quite slow.Rotating the encoder result in a
> slow change of the value, for example RF gain or navigating through menus.
> Is that because of the hardware platform a little old for the new
> software or I did something wrong?
> Anyone notice that?
>
> 2. SAF is working very good, but it will be great to have the possibility
> to memorize the settings by mode.
>
> 3. Receiver (although great) it seems quieter now.
>
> 73! Adi
> yo2liw
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7914. [orion566] Re: update frustrated O2 FINAL SOLOUTION!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-02 16:44:45 UTC
From: pa1ap
Topic: 7904 Message: 7914

please keep in mind that the firmware update procedure is using a different serial routine to flash the orion. Each line of instruction includes crc check before moving to the next line of instructions. In case cts is not working the flash sequence will be very, very slow and one is just lucky if it completes.

When update doesn't work : 9 out of 10 the flash procedure breaks due to invalid drivers, outdated windows environment (run windows update with custom and not express) and /or bad serial cables.

Although not recommended, during normal operations one can ignore cts and just control the orion. The issue is that faulty cables are not noticed because of this and only when going into update mode things become frustrating.

The solution to this seems simple:
1- just use usb to serial dongle which will cost about 8 dollar
2- use the original serial cable ten tec provided with the orion. Dont build smart serial cables which ensure cts is always up etc... thats just fooling the system and hence the operator.
3- perform update with stop on error.... if it doesnt continue stop the update and fix the serial connection first.

I will work on an extended serial port tester which allows you to confirm if cts is working. Hope to make it available this weekend.

Regards, onno

--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
>
>
> Rick - regardless of all this, the genesis of this situation is that there's something different about the Upgrade program and how it's using the Com ports. I was writing code for RS-232 interfaces decades ago and you're right - many developers ignore many aspects of the protocol and the basic reason is that it's possible to get data to flow without following the protocol of the interface lines. So, both software and hardware developers take shortcuts and in many cases those shortcuts fail.
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> And, problems are much more likely to occur with clock speeds of 56 kbps. It may well be that the Tentec code is following the RS-232 protocol precisely and it's the only program of the many that we use with the Orion interface that does things right. But, we really don't know anything about the error because the Tentec code doesn't give a clue what the problem might be. No need to guess here - the code detected SOMETHING that either didn't occur, or that occurred in error. Anyone writing communications code ought to know that it's important to reveal the details of an error so that someone can do something about it. This situation with the Upgrade code is especially absurd since Onno's Serial Port testing program is able to communicate perfectly with the Orion over the same port that the Upgrade

program fails on 100% of the time.
>
> What I expect is that someone at Tentec would at least take a hard look at what the differences in the code are and take a stab at a solution. Instead, Tectec remains silent on the issue. They wrote the code, they distribute it and they should be responsible for resolving these issues.
>
> 73, K8AC
>
> --- In orion565@yahoogroups.com, "ve7tk" <ve7tk@> wrote:
> >
> > Call me crazy but WHY do you think that Ten-Tec should know that some of your hardware is not capable of doing the data transfer for the Orion update?
> >
> > RS-232 is a standard interface with the standards pretty well spelled out. Unfortunately since the creation of the standard some manufacturers and software developers have chosen to ignore part of the RS-232 criteria.
> >
> > In most cases they get away with these "adjustments" but in many cases they do not. Add to this mess a conversion from serial to USB and the problems begin to multiply.
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> > So to blame a type of serial card is not quite right. It may well be that the blame should be pointed at a specific card manufacturer or even at one particular card that they produce.
> >
> > USB to serial converters, both external and internal are not all created equal and the problem you describe certainly does not rest with Ten-Tec.
> >
> > 73, Rick
> > VE7TK
> >
> >
> > --- In orion565@yahoogroups.com, "George" <goofyham@> wrote:
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> > > Thanks to everyone for helping me.
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> > >
> > >
> > > George W2YJ
> > >
> > >

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7915. RE: [orion565] [orion566] Re: update frustrated O2 FINAL SOLOUTION!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-02 18:42:08 UTC
From: Andrew B. Steen
Topic: 7904 Message: 7915

Just as an add.The USB to Serial you used with XP will not work with Vista or Windows 7. I replaced all my old adaptors with the newest, and they work great.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of ve7tk
Sent: Thursday, March 01, 2012 8:00 AM
To: orion565@yahoogroups.com
Subject: [orion565] [orion566] Re: update frustrated O2 FINAL SOLOUTION!

Call me crazy but WHY do you think that Ten-Tec should know that some of your hardware is not capable of doing the data transfer for the Orion update?

RS-232 is a standard interface with the standards pretty well spelled out. Unfortunately since the creation of the standard some manufacturers and software developers have chosen to ignore part of the RS-232 criteria.

In most cases they get away with these "adjustments" but in many cases they do not. Add to this mess a conversion from serial to USB and the problems begin to multiply.

So to blame a type of serial card is not quite right. It may well be that the blame should be pointed at a specific card manufacturer or even at one particular card that they produce.

USB to serial converters, both external and internal are not all created equal and the problem you describe certainly does not rest with Ten-Tec.

73, Rick
VE7TK

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "George" <goofyham@...> wrote:
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> George W2YJ
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[Non-text portions of this message have been removed]

7916. [orion566] Re: update frustrated O2 FINAL SOLOUTION!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-02 19:38:40 UTC
From: floydsense
Topic: 7904 Message: 7916

Hi Onno. If the problem is that clear-to-send is not coming up when it should, that would be a simple addition to the error message. Then we'd know that there is either a delay (maybe caused by shared IRQ problem) or CTS is NEVER being returned. That might indeed indicate a bad cable, etc. When I was having problems getting the upgrade started here, the error message would appear immediately upon starting the upgrade, leading me to believe that Upgrade couldn't access the com port, particularly because the error message was a bit garbled - didn't identify the port where it might have. It appears that once the download begins, the program does handle delayed CTS and that's probably why the download can take 45 minutes on ports with shared IRQs. At the very least, the Orion manual should be updated to indicate that the Upgrade program actually uses RTS and looks for CTS to be returned. I've always found it surprising how many other communications programs these days make no use of the control signals at all, depending on an error free transmission every time.

73, Floyd

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> please keep in mind that the firmware update procedure is using a different serial routine to flash the orion. Each line of instruction includes crc check before moving to the next line of instructions. In case cts is not working the flash sequence will be very, very slow and one is just lucky if it completes.
>
> When update doesn't work : 9 out of 10 the flash procedure breaks due to invalid drivers, outdated windows environment (run windows update with custom and not express) and /or bad serial cables.
>
> Although not recommended, during normal operations one can ignore cts and just control the orion. The issue is that faulty cables are not noticed because of this and only when going into update mode things become frustrating.
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> The solution to this seems simple:
> 1- just use usb to serial dongle which will cost about 8 dollar
> 2- use the original serial cable ten tec provided with the orion. Dont build smart serial cables which ensure cts is always up etc... thats just fooling the system and hence the operator.
> 3- perform update with stop on error.... if it doesnt continue stop the update and fix the serial connection first.
>
> I will work on an extended serial port tester which allows you to confirm if cts is working. Hope to make it available this weekend.
>
> Regards, onno
>
> --- In orion565@yahoogroups.com, "floydsense" <floyd@> wrote:
> >

> >
> >
> > Rick - regardless of all this, the genesis of this situation is that there's something different about the Upgrade program and how it's using the Com ports. I was writing code for RS-232 interfaces decades ago and you're right - many developers ignore many aspects of the protocol and the basic reason is that it's possible to get data to flow without following the protocol of the interface lines. So, both software and hardware developers take shortcuts and in many cases those shortcuts fail.
> >
> > And, problems are much more likely to occur with clock speeds of 56 kbps. It may well be that the Tentec code is following the RS-232 protocol precisely and it's the only program of the many that we use with the Orion interface that does things right. But, we really don't know anything about the error because the Tentec code doesn't give a clue what the problem might be. No need to guess here - the code detected SOMETHING that either didn't occur, or that occurred in error. Anyone writing communications code ought to know that it's important to reveal the details of an error so that someone can do something about it. This situation with the Upgrade code is especially absurd since Onno's Serial Port testing program is able to communicate perfectly with the Orion over the same port that the Upgrade program fails on 100% of the time.
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> > What I expect is that someone at Tentec would at least take a hard look at what the differences in the code are and take a stab at a solution. Instead, Tectec remains silent on the issue. They wrote the code, they distribute it and they should be responsible for resolving these issues.
> >
> > 73, K8AC
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> > --- In orion565@yahoogroups.com, "ve7tk" <ve7tk@> wrote:
> > >
> > > Call me crazy but WHY do you think that Ten-Tec should know that some of your hardware is not capable of doing the data transfer for the Orion update?
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> > > RS-232 is a standard interface with the standards pretty well spelled out. Unfortunately since the creation of the standard some manufacturers and software developers have chosen to ignore part of the RS-232 criteria.
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> > > In most cases they get away with these "adjustments" but in many cases they do not. Add to this mess a conversion from serial to USB and the problems begin to multiply.
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> > > USB to serial converters, both external and internal are not all created equal and the problem you describe certainly does not rest with Ten-Tec.
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> > > VE7TK
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7917. [orion566] Re: update frustrated O2 FINAL SOLOUTION!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-02 20:14:34 UTC
From: pa1ap
Topic: 7904 Message: 7917

As far as I know CTS is brought down when the Orion wants to tell the computer to stop sending information. Typically this is when the orion is busy and does not have time to process the serial stuff.

The trick is how to cause the orion cpu to be (very) busy.....

The only way I see to validate CTS;

A.... (confirm the CTS wire is connected to CPU)
1) power on orion
2) connect serial port and start CTS detection
3) confirm CTS is high
4) power down Orion and confirm CTS is low
5) power on orion and confirm CTS goes high again

"this will capture non connected CTS pin as well some serial cables which cross wire RTS to CTS...."

B.... (cause the CPU to be busy)
1) power on orion
2) connect serial port and start CTS detection
3) confirm CTS is high
4) read memory bank, write memory bank and repeat this very quickly about 10 x... So far I have found this combination to cause Orion 565 (dont know 566) to start bringing down CTS.

I will include two buttons to include this sequence in the serial tester program. Hope I still have the source as I lost one of my drives...

Anyone using OBR for 566 by any chance? And noticing TX Wait (red) to flash once in a while during memory backup or restore? It might also occur during backup setting especially at the end when AGC mode is being copied... Please share in the forum if you see TX Wait occuring and if you use 565 or 566... Looking for 566 confirmation :-)

Furthermore I will check if I can find an easy way to read the type of serial hardware used and after the test copy this to an email button. This way we can collect a list of known good/bad hardware in quick way. Of course you will need to send me the email after the test....

Hope this can help resolve the update challenge.

Regards Onno

--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
> Hi Onno. If the problem is that clear-to-send is not coming up when it should, that would be a simple addition to the error message. Then we'd know that there is either a delay (maybe caused by shared IRQ problem) or CTS is NEVER being returned. That might indeed indicate a bad cable, etc. When I was having problems getting the upgrade started here, the

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> > I will work on an extended serial port tester which allows you to confirm if cts is working. Hope to make it available this weekend.
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> > > And, problems are much more likely to occur with clock speeds of 56 kbps. It may well

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7918. Status of V. 3.xx Firmware/Downloads

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-03 03:34:53 UTC
From: Jim Koshmider
Topic: 7918 Message: 7918

Would someone please advise me as to which of the V. 3.xx versions of firmware seems to work the best for a 565, modified for V. 2.xx firmware { i.e. - pcb trace(s) cut }...?
Thanks.

73,

Jim, K8OZ

[Non-text portions of this message have been removed]

7919. Re: [orion565] Status of V. 3.xx Firmware/Downloads

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-03 03:52:33 UTC
From: Barry N1EU
Topic: 7918 Message: 7919

Just install the latest available for the 565, which should be 3.030 I
believe

Barry N1EU

On Sat, Mar 3, 2012 at 3:34 AM, Jim Koshmider <k8oz1@yahoo.com> wrote:

> **
>
>
> Would someone please advise me as to which of the V. 3.xx versions of
> firmware seems to work the best for a 565, modified for V. 2.xx firmware {
> i.e. - pcb trace(s) cut }...? Thanks.
>
> 73,
>
> Jim, K8OZ
>
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7920. RE: [orion565] Status of V. 3.xx Firmware/Downloads

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-03 04:50:53 UTC
From: Wes Attaway (N5WA)
Topic: 7918 Message: 7920

I am using the latest version, v3.03, and it works great as far as I am concerned. I don't think you would lose anything by making the upgrade, and your RX performance would be better than where you are right now.

---------- Wes Attaway (N5WA) ----------
1138 Waters Edge Circle, Shreveport, LA 71106
318-797-4972 (Office) - 318-393-3289 (Cell)
Computer Consulting and Forensics
---------- EnCase Certified Examiner ----------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Jim Koshmider
Sent: Friday, March 02, 2012 9:35 PM
To: orion565@yahoogroups.com
Subject: [orion565] Status of V. 3.xx Firmware/Downloads

Would someone please advise me as to which of the V. 3.xx versions of firmware seems to work the best for a 565, modified for V. 2.xx firmware { i.e. - pcb trace(s) cut }...? Thanks.

73,

Jim, K8OZ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7921. SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-03 18:43:53 UTC
From: Larry Menzel
Topic: 7921 Message: 7921

Hi, guys,

Well, setting up for the DX contest today, I saw a spot for VP5M which is operated by guys from our club, W0GJ, WA0MHJ and K0MD.

Anyway, I switched over to 10 meters on my Orion (also have an OII) and gave Glen, W0GJ, a call. To my surprise, I had only 8 watts of output on SSB. I can scream into the mic...most I can get with mic gain at 60 is about 20 watts. I expect to see lower output PEP on SSB, but 20 watts? I cranked the output power to 100 with not much change, in fact, I get the same ssb output with the power setting at 50 as I do at 100.

Checking a bit more, I find that I have full 100 watts out on cw, but can't anything near that out on SSB.

OK, checked everything, Audio, SSB settings, mic gain, processor, H/W mic gain, everything you'd check, even put on another mic cable (thru a microHAM 2R+ usually) but nothing increases my SSB output. Same results with both my PR781 mic and my Heil headset. BTW, all work fine on the Orion II.

Further checking, finds excellent 80+ watts on 40 and 75, Same settings on 20 yield 40+ watts. Why the huge drop in sideband output on higher frequencies? And again, same power output with my power indicator at 50 or 100 on 15 and 10 meters. I get good power variability on ssb up through 40 and then start seeing the drop off.

Anyone else have a possible solution? Don't think there's anything wrong with my finals, etc, as output on CW is just fine. I just loaded V3.30 but that's a different story, there I have no receive on my second receiver and other issues going on.

Thanks.

Larry, W0PR

[Non-text portions of this message have been removed]

7923. Re: [orion565] SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-03 18:55:10 UTC
From: Larry Menzel
Topic: 7921 Message: 7923

Well, Tom, without sounding catty, Yeah, not my first rodeo.

Yeah, no that's not it. My meter is a Array Solutions Power Master and pretty darn fast.

Wish it were that simple.

Larry, W0PR

On Sat, Mar 3, 2012 at 12:46 PM, <catfishtwo@...> wrote:

> **
>
>
> HAVE YOU GIVEN IT THE OLD hELLLLOOOOOOOOOO or the whistle. if you are on
> ssb, most meters will only indicate a small amount of power unless you
> give it a nice long tone to make the meter catch up to the output.
> remember
> on ssb there is no carrier. tom N6AJR
>
>
> In a message dated 3/3/2012 10:44:00 A.M. Pacific Standard Time,
> retire@... writes:
>
> Hi, guys,
>
> Well, setting up for the DX contest today, I saw a spot for VP5M which is
> operated by guys from our club, W0GJ, WA0MHJ and K0MD.
>
> Anyway, I switched over to 10 meters on my Orion (also have an OII) and
> gave Glen, W0GJ, a call. To my surprise, I had only 8 watts of output on
> SSB. I can scream into the mic...most I can get with mic gain at 60 is
> about 20 watts. I expect to see lower output PEP on SSB, but 20 watts? I
> cranked the output power to 100 with not much change, in fact, I get the
> same ssb output with the power setting at 50 as I do at 100.
>
> Checking a bit more, I find that I have full 100 watts out on cw, but can't
> anything near that out on SSB.
>
> OK, checked everything, Audio, SSB settings, mic gain, processor, H/W mic
> gain, everything you'd check, even put on another mic cable (thru a
> microHAM 2R+ usually) but nothing increases my SSB output. Same results
> with both my PR781 mic and my Heil headset. BTW, all work fine on the
> Orion II.
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> Further checking, finds excellent 80+ watts on 40 and 75, Same settings on

> 20 yield 40+ watts. Why the huge drop in sideband output on higher
> frequencies? And again, same power output with my power indicator at 50 or
> 100 on 15 and 10 meters. I get good power variability on ssb up through 40
> and then start seeing the drop off.
>
> Anyone else have a possible solution? Don't think there's anything wrong
> with my finals, etc, as output on CW is just fine. I just loaded V3.30 but
> that's a different story, there I have no receive on my second receiver and
> other issues going on.
>
> Thanks.
>
> Larry, W0PR
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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7925. Re: [orion565] SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-03 20:53:07 UTC
From: Barry N1EU
Topic: 7921 Message: 7925

Larry I have the E-X-A-C-T same problem here.

Barry N1EU

On Sat, Mar 3, 2012 at 6:43 PM, Larry Menzel <retire@...> wrote:

> **
>
>
> Hi, guys,
>
> Well, setting up for the DX contest today, I saw a spot for VP5M which is
> operated by guys from our club, W0GJ, WA0MHJ and K0MD.
>
> Anyway, I switched over to 10 meters on my Orion (also have an OII) and
> gave Glen, W0GJ, a call. To my surprise, I had only 8 watts of output on
> SSB. I can scream into the mic...most I can get with mic gain at 60 is
> about 20 watts. I expect to see lower output PEP on SSB, but 20 watts? I
> cranked the output power to 100 with not much change, in fact, I get the
> same ssb output with the power setting at 50 as I do at 100.
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> Checking a bit more, I find that I have full 100 watts out on cw, but can't
> anything near that out on SSB.
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> OK, checked everything, Audio, SSB settings, mic gain, processor, H/W mic
> gain, everything you'd check, even put on another mic cable (thru a
> microHAM 2R+ usually) but nothing increases my SSB output. Same results
> with both my PR781 mic and my Heil headset. BTW, all work fine on the
> Orion II.
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> frequencies? And again, same power output with my power indicator at 50 or
> 100 on 15 and 10 meters. I get good power variability on ssb up through 40
> and then start seeing the drop off.
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> Anyone else have a possible solution? Don't think there's anything wrong
> with my finals, etc, as output on CW is just fine. I just loaded V3.30 but
> that's a different story, there I have no receive on my second receiver and
> other issues going on.
>
> Thanks.
>
> Larry, W0PR
>
> [Non-text portions of this message have been removed]

>
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7926. Re: [orion565] SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-03 20:54:31 UTC
From: jd_hudson@comcast.net
Topic: 7921 Message: 7926

Larry do yourself a favor.. MASTER REBOOT.. see if that clears it up. Anytime I get a weird reaction to the rig (no power out or no signal are two that have happened to m O1) I do a BATTERY FAIL reset and it comes back..

Good luck

John
KO4XJ

----- Original Message -----
From: "Larry Menzel" <retire@...>
To: orion565@yahoogroups.com
Sent: Saturday, March 3, 2012 12:55:10 PM
Subject: Re: [orion565] SSB output

Well, Tom, without sounding catty, Yeah, not my first rodeo.

Yeah, no that's not it. My meter is a Array Solutions Power Master and
pretty darn fast.

Wish it were that simple.

Larry, W0PR

On Sat, Mar 3, 2012 at 12:46 PM, <catfishtwo@...> wrote:

> **
>
>
> HAVE YOU GIVEN IT THE OLD hELLLLOOOOOOOOOO or the whistle. if you are on
> ssb, most meters will only indicate a small amount of power unless you
> give it a nice long tone to make the meter catch up to the output.
> remember
> on ssb there is no carrier. tom N6AJR
>
>
> In a message dated 3/3/2012 10:44:00 A.M. Pacific Standard Time,
> retire@... writes:
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> Hi, guys,
>
> Well, setting up for the DX contest today, I saw a spot for VP5M which is
> operated by guys from our club, W0GJ, WA0MHJ and K0MD.
>
> Anyway, I switched over to 10 meters on my Orion (also have an OII) and
> gave Glen, W0GJ, a call. To my surprise, I had only 8 watts of output on
> SSB. I can scream into the mic...most I can get with mic gain at 60 is

> about 20 watts. I expect to see lower output PEP on SSB, but 20 watts? I
> cranked the output power to 100 with not much change, in fact, I get the
> same ssb output with the power setting at 50 as I do at 100.
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> Checking a bit more, I find that I have full 100 watts out on cw, but can't
> anything near that out on SSB.
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> OK, checked everything, Audio, SSB settings, mic gain, processor, H/W mic
> gain, everything you'd check, even put on another mic cable (thru a
> microHAM 2R+ usually) but nothing increases my SSB output. Same results
> with both my PR781 mic and my Heil headset. BTW, all work fine on the
> Orion II.
>
> Further checking, finds excellent 80+ watts on 40 and 75, Same settings on
> 20 yield 40+ watts. Why the huge drop in sideband output on higher
> frequencies? And again, same power output with my power indicator at 50 or
> 100 on 15 and 10 meters. I get good power variability on ssb up through 40
> and then start seeing the drop off.
>
> Anyone else have a possible solution? Don't think there's anything wrong
> with my finals, etc, as output on CW is just fine. I just loaded V3.30 but
> that's a different story, there I have no receive on my second receiver and
> other issues going on.
>
> Thanks.
>
> Larry, W0PR
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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Yahoo! Groups Links

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7927. Re: [orion565] SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 01:53:14 UTC
From: Larry Menzel
Topic: 7921 Message: 7927

Whoa...really...you're not saying that just to make me feel better, Barry?

Ok, time to reload.

Larry
On Mar 3, 2012 2:53 PM, "Barry N1EU" <barry.n1eu@...> wrote:

> **
>
>
> Larry I have the E-X-A-C-T same problem here.
>
> Barry N1EU
>
> On Sat, Mar 3, 2012 at 6:43 PM, Larry Menzel <retire@means.net> wrote:
>
> > **
> >
> >
> > Hi, guys,
> >
> > Well, setting up for the DX contest today, I saw a spot for VP5M which is
> > operated by guys from our club, W0GJ, WA0MHJ and K0MD.
> >
> > Anyway, I switched over to 10 meters on my Orion (also have an OII) and
> > gave Glen, W0GJ, a call. To my surprise, I had only 8 watts of output on
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> > cranked the output power to 100 with not much change, in fact, I get the
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> > Checking a bit more, I find that I have full 100 watts out on cw, but
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> > OK, checked everything, Audio, SSB settings, mic gain, processor, H/W mic
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> on
> > 20 yield 40+ watts. Why the huge drop in sideband output on higher
> > frequencies? And again, same power output with my power indicator at 50
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> > 100 on 15 and 10 meters. I get good power variability on ssb up through
> 40
> > and then start seeing the drop off.
> >
> > Anyone else have a possible solution? Don't think there's anything wrong
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> but
> > that's a different story, there I have no receive on my second receiver
> and
> > other issues going on.
> >
> > Thanks.
> >
> > Larry, W0PR
> >
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7928. Re: [orion565] Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 02:31:22 UTC
From: Sam W Jacobs CET
Topic: 7918 Message: 7928

So are you saying there is an upgrade from 3.028 for my O2 ? If so, I don't see it on the download page. Last night is the LAST NIGHT I can put up with the carriers close to my operating frequency. I can't use the AN (auto notch) because it causes Pops and Clicks on the line output and without it I get the Squeals and Tones. Increasing the threshold didn't help at all.

So if there isn't an upgrade or quick fix, than I'll have to go back to 2.039d until a fix is found.

Someone please let me know if 3.030 (or whatever it's called) is available for downloading. Thanks in advance.

73,
Sam
K3SAM

From: Wes Attaway (N5WA) <wesattaway@...>
To: orion565@yahoogroups.com
Sent: Friday, March 2, 2012 11:50 PM
Subject: RE: [orion565] Status of V. 3.xx Firmware/Downloads

I am using the latest version, v3.03, and it works great as far as I am concerned. I don't think you would lose anything by making the upgrade, and your RX performance would be better than where you are right now.

---------- Wes Attaway (N5WA) ----------
1138 Waters Edge Circle, Shreveport, LA 71106
318-797-4972 (Office) - 318-393-3289 (Cell)
Computer Consulting and Forensics
---------- EnCase Certified Examiner ----------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Jim Koshmider
Sent: Friday, March 02, 2012 9:35 PM
To: orion565@yahoogroups.com
Subject: [orion565] Status of V. 3.xx Firmware/Downloads

Would someone please advise me as to which of the V. 3.xx versions of firmware seems to work the best for a 565, modified for V. 2.xx firmware { i.e. - pcb trace(s) cut }...? Thanks.

73,

Jim, K8OZ

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7929. Re: SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 02:43:42 UTC
From: airman11141952
Topic: 7921 Message: 7929

Loaded V.3.03 on my 565 and no issues here. Full power on all bands, both SSB and CW. I did not do a master reset after the down load, either.

Gary
W7TRP

--- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
>
> Whoa...really...you're not saying that just to make me feel better, Barry?
>
> Ok, time to reload.
>
> Larry
> On Mar 3, 2012 2:53 PM, "Barry N1EU" <barry.n1eu@...> wrote:
>
> > **
> > >
> > >
> > > Larry I have the E-X-A-C-T same problem here.
> > >
> > > Barry N1EU
> > >
> > > On Sat, Mar 3, 2012 at 6:43 PM, Larry Menzel <retire@...> wrote:
> > >
> > > > **
> > > > >
> > > > >
> > > > Hi, guys,
> > > > >
> > > > Well, setting up for the DX contest today, I saw a spot for VP5M which is
> > > > operated by guys from our club, W0GJ, WA0MHJ and K0MD.
> > > > >
> > > > Anyway, I switched over to 10 meters on my Orion (also have an OII) and
> > > > gave Glen, W0GJ, a call. To my surprise, I had only 8 watts of output on
> > > > SSB. I can scream into the mic...most I can get with mic gain at 60 is
> > > > about 20 watts. I expect to see lower output PEP on SSB, but 20 watts? I
> > > > cranked the output power to 100 with not much change, in fact, I get the
> > > > same ssb output with the power setting at 50 as I do at 100.
> > > > >
> > > > Checking a bit more, I find that I have full 100 watts out on cw, but
> > > can't
> > > > anything near that out on SSB.
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> > > > OK, checked everything, Audio, SSB settings, mic gain, processor, H/W mic
> > > > gain, everything you'd check, even put on another mic cable (thru a

> > > microHAM 2R+ usually) but nothing increases my SSB output. Same results
> > > with both my PR781 mic and my Heil headset. BTW, all work fine on the
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> > > Further checking, finds excellent 80+ watts on 40 and 75, Same settings
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> > > frequencies? And again, same power output with my power indicator at 50
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> > > Anyone else have a possible solution? Don't think there's anything wrong
> > > with my finals, etc, as output on CW is just fine. I just loaded V3.30
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> > > that's a different story, there I have no receive on my second receiver
> > and
> > > other issues going on.
> > >
> > > Thanks.
> > >
> > > Larry, W0PR
> > >
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7930. Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 06:31:49 UTC
From: storygene
Topic: 7918 Message: 7930

Sam -

3.030 is the version & revision for 565 Orion you see in Downloads on the TEN-TEC site.

3.028 is the version & revision level for 566 Orion II you see in Downloads on the TEN-TEC site.

There were additional changes specific to the Orion that stepped it by two revision levels over the Orion II.

The changes are documented very well in the revision history notes that are also posted in the TEN-TEC downloads.

I hope this helps with the version/revision state. I can't speak to your 566 Orion II's AN issue.

Regards,

Gene

--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> So are you saying there is an upgrade from 3.028 for my O2 ?Â If so, I don't see it on the download page.Â Last night is the LAST NIGHT I can put up with the carriers close to my operating frequency.Â I can't use the AN (auto notch) because it causes Pops and Clicks on the line output and without it I get the Squeals and Tones.Â Increasing the threshold didn't help at all.
>
> So if there isn't an upgrade or quick fix, than I'll have to go back to 2.039d until a fix is found.
>
> Someone please let me know if 3.030 (or whatever it's called) is available for downloading.Â Thanks in advance.
>
> 73,
> Sam
> K3SAM
>
>
>
> _____
> From: Wes Attaway (N5WA) <wesattaway@...>
> To: orion565@yahoogroups.com
> Sent: Friday, March 2, 2012 11:50 PM
> Subject: RE: [orion565] Status of V. 3.xx Firmware/Downloads

>
>
> Â
> I am using the latest version, v3.03, and it works great as far as I am
> concerned. I don't think you would lose anything by making the upgrade, and
> your RX performance would be better than where you are right now.
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> ----------------- Wes Attaway (N5WA) -------------------
> 1138 Waters Edge Circle, Shreveport, LA 71106
> 318-797-4972 (Office) - 318-393-3289 (Cell)
> Computer Consulting and Forensics
> -------------- EnCase Certified Examiner ---------------
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Jim Koshmider
> Sent: Friday, March 02, 2012 9:35 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Status of V. 3.xx Firmware/Downloads
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> Would someone please advise me as to which of the V. 3.xx versions of
> firmware seems to work the best for a 565, modified for V. 2.xx firmware {
> i.e. - pcb trace(s) cut }...? Thanks.
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> 73,
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> Jim, K8OZ
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7931. Re: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 07:10:19 UTC
From: Sam W Jacobs CET
Topic: 7918 Message: 7931

Thanks Gene,

I guess I'll just have to go back to the 2.039d version until the T*T comes up with a fix as it's no good to me the way it is now. Version 3.028 makes my $5,000 radio sound like a $5 toy, and we all know that's not the case. As a former software writer / author, I know that by changing one variable in the code can cause all kinds of havoc in the code further down the line. My guess is that's what is happening here. In fixing or adding one feature, another one has been compromised.

NOTE to the software engineers: Any new version you want me to try out, beta or otherwise, send a link to my email address.

73,
Sam
K3SAM

From: storygene <k7txo@...>
To: orion565@yahoogroups.com
Sent: Sunday, March 4, 2012 1:31 AM
Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Sam -

3.030 is the version & revision for 565 Orion you see in Downloads on the TEN-TEC site.

3.028 is the version & revision level for 566 Orion II you see in Downloads on the TEN-TEC site.

There were additional changes specific to the Orion that stepped it by two revision levels over the Orion II.

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> 73,
> Sam
> K3SAM
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>
> _____
> From: Wes Attaway (N5WA) <wesattaway@...>
> To: orion565@yahoogroups.com
> Sent: Friday, March 2, 2012 11:50 PM
> Subject: RE: [orion565] Status of V. 3.xx Firmware/Downloads
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> I am using the latest version, v3.03, and it works great as far as I am
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> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Jim Koshmider
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> To: orion565@yahoogroups.com
> Subject: [orion565] Status of V. 3.xx Firmware/Downloads
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> Would someone please advise me as to which of the V. 3.xx versions of
> firmware seems to work the best for a 565, modified for V. 2.xx firmware {
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7932. Re: [orion565] SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 11:02:39 UTC
From: Barry N1EU
Topic: 7921 Message: 7932

I'm not Larry. Reload if that makes you feel better.

73, Barry N1EU

On Sun, Mar 4, 2012 at 1:53 AM, Larry Menzel <retire@...> wrote:

> Whoa...really...you're not saying that just to make me feel better, Barry?
>
> Ok, time to reload.
>
> Larry
> On Mar 3, 2012 2:53 PM, "Barry N1EU" <barry.n1eu@...> wrote:
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> > > Larry I have the E-X-A-C-T same problem here.
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> > > On Sat, Mar 3, 2012 at 6:43 PM, Larry Menzel <retire@...> wrote:
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> > > > **
> > > > >
> > > > >
> > > > Hi, guys,
> > > > >
> > > > > Well, setting up for the DX contest today, I saw a spot for VP5M which
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> > > > > Anyway, I switched over to 10 meters on my Orion (also have an OII) and
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> > the
> > > > > same ssb output with the power setting at 50 as I do at 100.
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> > > > > Checking a bit more, I find that I have full 100 watts out on cw, but
> > > > can't
> > > > > anything near that out on SSB.
> > > > >
> > > > > OK, checked everything, Audio, SSB settings, mic gain, processor, H/W

> mic
> > > gain, everything you'd check, even put on another mic cable (thru a
> > > microHAM 2R+ usually) but nothing increases my SSB output. Same results
> > > with both my PR781 mic and my Heil headset. BTW, all work fine on the
> > > Orion II.
> > >
> > > Further checking, finds excellent 80+ watts on 40 and 75, Same settings
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> > > 20 yield 40+ watts. Why the huge drop in sideband output on higher
> > > frequencies? And again, same power output with my power indicator at 50
> > or
> > > 100 on 15 and 10 meters. I get good power variability on ssb up through
> > 40
> > > and then start seeing the drop off.
> > >
> > > Anyone else have a possible solution? Don't think there's anything
> wrong
> > > with my finals, etc, as output on CW is just fine. I just loaded V3.30
> > but
> > > that's a different story, there I have no receive on my second receiver
> > and
> > > other issues going on.
> > >
> > > Thanks.
> > >
> > > Larry, W0PR
> > >
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7933. Re: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 13:35:57 UTC
From: k3xr@comcast.net
Topic: 7918 Message: 7933

Spent many hours listening to the receiver on the O2 after downloading the latest V3. . Find all versions of V3. have a negative impact on the quality of the received SSB audio when the NR circuit is engaged, even on the lowest setting. Read the comment in these postings of the audio sounding "underwater" that would seem to be, for lack of a better description, a good assessment. Also noticed a receiver that seems to exhibit much more noise, which to some degree, has been resolved by doing a master reset. While it is true that adjustment of AGC in the areas of hang, delay, threshold can improve the NR audio problem, it's not a cure. Returned to V2.044A which exhibits a much better NR function on SSB. Have these modern receivers become so complex that their advanced performance has been negated by the reduction in user friendliness? Simply should not be spending huge amounts of time trying to achieve the desired results.
----- Original Message -----
From: "Sam W Jacobs CET" <Sam@...>
To: orion565@yahoogroups.com, "Ten Tec Customer Ideas" <ditsnbits@...>
Sent: Sunday, March 4, 2012 2:10:19 AM
Subject: Re: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Thanks Gene,

I guess I'll just have to go back to the 2.039d version until the T*T comes up with a fix as it's no good to me the way it is now. Version 3.028 makes my $5,000 radio sound like a $5 toy, and we all know that's not the case. As a former software writer / author, I know that by changing one variable in the code can cause all kinds of havoc in the code further down the line. My guess is that's what is happening here. In fixing or adding one feature, another one has been compromised.

NOTE to the software engineers: Any new version you want me to try out, beta or otherwise, send a link to my email address.

73,
Sam
K3SAM

From: storygene < k7txo@... >
To: orion565@yahoogroups.com
Sent: Sunday, March 4, 2012 1:31 AM
Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Sam -

3.030 is the version & revision for 565 Orion you see in Downloads on the TEN-TEC site.

3.028 is the version & revision level for 566 Orion II you see in Downloads on the TEN-TEC site.

There were additional changes specific to the Orion that stepped it by two revision levels over the Orion II.

The changes are documented very well in the revision history notes that are also posted in the TEN-TEC downloads.

I hope this helps with the version/revision state. I can't speak to your 566 Orion II's AN issue.

Regards,

Gene

--- In orion565@yahoogroups.com , Sam W Jacobs CET <Sam@...> wrote:
>
> So are you saying there is an upgrade from 3.028 for my O2 ?Â If so, I don't see it on the download page.Â Last night is the LAST NIGHT I can put up with the carriers close to my operating frequency.Â I can't use the AN (auto notch) because it causes Pops and Clicks on the line output and without it I get the Squeals and Tones.Â Increasing the threshold didn't help at all.
>
> So if there isn't an upgrade or quick fix, than I'll have to go back to 2.039d until a fix is found.
>
> Someone please let me know if 3.030 (or whatever it's called) is available for downloading.Â Thanks in advance.
>
> 73,
> Sam
> K3SAM
>
>
>
> _____
> From: Wes Attaway (N5WA) <wesattaway@...>
> To: orion565@yahoogroups.com
> Sent: Friday, March 2, 2012 11:50 PM
> Subject: RE: [orion565] Status of V. 3.xx Firmware/Downloads
>
>
> Â
> I am using the latest version, v3.03, and it works great as far as I am
> concerned. I don't think you would lose anything by making the upgrade, and
> your RX performance would be better than where you are right now.
>
> ----------------- Wes Attaway (N5WA) -------------------
> 1138 Waters Edge Circle, Shreveport, LA 71106
> 318-797-4972 (Office) - 318-393-3289 (Cell)
> Computer Consulting and Forensics
> -------------- EnCase Certified Examiner ---------------

>
> _____
>
> From: orion565@yahoogroups.com [mailto: orion565@yahoogroups.com] On Behalf
> Of Jim Koshmider
> Sent: Friday, March 02, 2012 9:35 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Status of V. 3.xx Firmware/Downloads
>
> Would someone please advise me as to which of the V. 3.xx versions of
> firmware seems to work the best for a 565, modified for V. 2.xx firmware {
> i.e. - pcb trace(s) cut }...? Thanks.
>
> 73,
>
> Jim, K8OZ
>
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> [Non-text portions of this message have been removed]
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7934. Re: SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 16:10:47 UTC
From: pa1ap
Topic: 7921 Message: 7934

Do you have internal tuner installed?
Thanks and regards, onno
--- In orion565@yahoogroups.com, "airman11141952" <w7trp@...> wrote:
>
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>
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>
>
>
> Loaded V.3.03 on my 565 and no issues here. Full power on all bands, both SSB and CW. I did not do a master reset after the down load, either.
>
> Gary
> W7TRP
>
>
>
> --- In orion565@yahoogroups.com, Larry Menzel <retire@> wrote:
> >
> > Whoa...really...you're not saying that just to make me feel better, Barry?
> >
> > Ok, time to reload.
> >
> > Larry
> > On Mar 3, 2012 2:53 PM, "Barry N1EU" <barry.n1eu@> wrote:
> >
> > > **
> > >
> > >
> > > Larry I have the E-X-A-C-T same problem here.
> > >
> > > Barry N1EU
> > >
> > > On Sat, Mar 3, 2012 at 6:43 PM, Larry Menzel <retire@> wrote:
> > >
> > > > **
> > > >
> > > >
> > > > Hi, guys,
> > > >
> > > > Well, setting up for the DX contest today, I saw a spot for VP5M which is
> > > > operated by guys from our club, W0GJ, WA0MHJ and K0MD.

> > > >
> > > > Anyway, I switched over to 10 meters on my Orion (also have an OII) and
> > > > gave Glen, W0GJ, a call. To my surprise, I had only 8 watts of output on
> > > > SSB. I can scream into the mic...most I can get with mic gain at 60 is
> > > > about 20 watts. I expect to see lower output PEP on SSB, but 20 watts? I
> > > > cranked the output power to 100 with not much change, in fact, I get the
> > > > same ssb output with the power setting at 50 as I do at 100.
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> > > > Checking a bit more, I find that I have full 100 watts out on cw, but
> > > can't
> > > > anything near that out on SSB.
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> > > > OK, checked everything, Audio, SSB settings, mic gain, processor, H/W mic
> > > > gain, everything you'd check, even put on another mic cable (thru a
> > > > microHAM 2R+ usually) but nothing increases my SSB output. Same results
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> > > 40
> > > > and then start seeing the drop off.
> > > >
> > > > Anyone else have a possible solution? Don't think there's anything wrong
> > > > with my finals, etc, as output on CW is just fine. I just loaded V3.30
> > > but
> > > > that's a different story, there I have no receive on my second receiver
> > > and
> > > > other issues going on.
> > > >
> > > > Thanks.
> > > >
> > > > Larry, W0PR
> > > >
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7935. Re: SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 16:22:20 UTC
From: airman11141952
Topic: 7921 Message: 7935

No, I do not have the internal tuner.

Gary W7TRP

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Do you have internal tuner installed?
> Thanks and regards, onno
> --- In orion565@yahoogroups.com, "airman11141952" <w7trp@> wrote:
> >
> >
> >
> >
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> >
> >
> >
> > Loaded V.3.03 on my 565 and no issues here. Full power on all bands, both SSB and CW. I did not do a master reset after the down load, either.
> >
> > Gary
> > W7TRP
> >
> >
> >
> > --- In orion565@yahoogroups.com, Larry Menzel <retire@> wrote:
> > >
> > > Whoa...really...you're not saying that just to make me feel better, Barry?
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> > > Ok, time to reload.
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> > > Larry
> > > On Mar 3, 2012 2:53 PM, "Barry N1EU" <barry.n1eu@> wrote:
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> > > > **
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> > > >
> > > > Larry I have the E-X-A-C-T same problem here.
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> > > > Barry N1EU
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> > > > On Sat, Mar 3, 2012 at 6:43 PM, Larry Menzel <retire@> wrote:
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> > > > >
> > > > >
> > > > > Hi, guys,
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> > > > > Well, setting up for the DX contest today, I saw a spot for VP5M which is
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> > > > > Anyway, I switched over to 10 meters on my Orion (also have an OII) and
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> > > > > Checking a bit more, I find that I have full 100 watts out on cw, but
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> > > > > OK, checked everything, Audio, SSB settings, mic gain, processor, H/W mic
> > > > > gain, everything you'd check, even put on another mic cable (thru a
> > > > > microHAM 2R+ usually) but nothing increases my SSB output. Same results
> > > > > with both my PR781 mic and my Heil headset. BTW, all work fine on the
> > > > > Orion II.
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> > > > > Further checking, finds excellent 80+ watts on 40 and 75, Same settings
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> > > > > Anyone else have a possible solution? Don't think there's anything wrong
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> > > > > other issues going on.
> > > > >
> > > > > Thanks.
> > > > >
> > > > > Larry, W0PR
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7936. Re: SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 17:04:20 UTC
From: pa1ap
Topic: 7921 Message: 7936

We might have found the problem and appreciate your help.

I assume you have your 10m antenna connected to ant1 output? Could you move this to ant2 and test for power output? I realize it sounds weird but appreciate if you could do quick test. Let me know how it went?

Best regards, onno
--- In orion565@yahoogroups.com, "airman11141952" <w7trp@...> wrote:
>
>
>
> No, I do not have the internal tuner.
>
> Gary W7TRP
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Do you have internal tuner installed?
> > Thanks and regards, onno
> > --- In orion565@yahoogroups.com, "airman11141952" <w7trp@> wrote:
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > > Loaded V.3.03 on my 565 and no issues here. Full power on all bands, both SSB and CW. I did not do a master reset after the down load, either.
> > >
> > > Gary
> > > W7TRP
> > >
> > >
> > >
> > > --- In orion565@yahoogroups.com, Larry Menzel <retire@> wrote:
> > > >
> > > > Whoa...really...you're not saying that just to make me feel better, Barry?
> > > >
> > > > Ok, time to reload.
> > > >
> > > > Larry
> > > > On Mar 3, 2012 2:53 PM, "Barry N1EU" <barry.n1eu@> wrote:

> > > >
> > > > > **
> > > > > >
> > > > > >
> > > > > > Larry I have the E-X-A-C-T same problem here.
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> > > > > > Barry N1EU
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> > > > > > On Sat, Mar 3, 2012 at 6:43 PM, Larry Menzel <retire@> wrote:
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> > > > > > >
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> > > > > > > Hi, guys,
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> > > > > > > Well, setting up for the DX contest today, I saw a spot for VP5M which is
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> > > > > > > Anyway, I switched over to 10 meters on my Orion (also have an OII) and
> > > > > > > gave Glen, W0GJ, a call. To my surprise, I had only 8 watts of output on
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> > > > > > > Checking a bit more, I find that I have full 100 watts out on cw, but
> > > > > > > can't
> > > > > > > anything near that out on SSB.
> > > > > > >
> > > > > > > OK, checked everything, Audio, SSB settings, mic gain, processor, H/W mic
> > > > > > > gain, everything you'd check, even put on another mic cable (thru a
> > > > > > > microHAM 2R+ usually) but nothing increases my SSB output. Same results
> > > > > > > with both my PR781 mic and my Heil headset. BTW, all work fine on the
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> > > > > > > Further checking, finds excellent 80+ watts on 40 and 75, Same settings
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> > > > > >
> > > > > > Thanks.
> > > > > > >
> > > > > > Larry, W0PR
> > > > > > >
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7937. Re: [orion565] Re: SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 17:57:00 UTC
From: Larry Menzel
Topic: 7921 Message: 7937

Well, I just reloaded 3.025 and the radio exhibits the same thing. It maxes output at 36 display, with no increase to 100.

Still getting full power out on CW however. Radio works perfectly in every other respect under 3.025.

Barry, did you come up with anything?

Larry, W0PR

On Sat, Mar 3, 2012 at 8:43 PM, airman11141952 <w7trp@...> wrote:

> **
>
>
>
>
> Loaded V.3.03 on my 565 and no issues here. Full power on all bands, both
> SSB and CW. I did not do a master reset after the down load, either.
>
> Gary
> W7TRP
>
>
> --- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
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> > Whoa...really...you're not saying that just to make me feel better,
> Barry?
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> > Ok, time to reload.
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> > Larry
> > On Mar 3, 2012 2:53 PM, "Barry N1EU" <barry.n1eu@...> wrote:
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> > > Larry I have the E-X-A-C-T same problem here.
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> > >
> > > On Sat, Mar 3, 2012 at 6:43 PM, Larry Menzel <retire@...> wrote:
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> > > > Hi, guys,
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> > > > Well, setting up for the DX contest today, I saw a spot for VP5M
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> > > > Anyway, I switched over to 10 meters on my Orion (also have an OII)
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> > > > Thanks.
> > > >
> > > > Larry, W0PR
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7938. Re: SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 17:58:49 UTC
From: pa1ap
Topic: 7921 Message: 7938

which TX connector are you using? ANT1 or ANT2? Could you swap them and check again? I realize it sounds a bit weird but please try.
Regards, Onno

--- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
>
> Well, I just reloaded 3.025 and the radio exhibits the same thing. It
> maxes output at 36 display, with no increase to 100.
>
> Still getting full power out on CW however. Radio works perfectly in every
> other respect under 3.025.
>
> Barry, did you come up with anything?
>
> Larry, W0PR
>
> On Sat, Mar 3, 2012 at 8:43 PM, airman11141952 <w7trp@...> wrote:
>
> > **
> > >
> > >
> > >
> > >
> > > Loaded V.3.03 on my 565 and no issues here. Full power on all bands, both
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> > > Gary
> > > W7TRP
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> > > --- In orion565@yahoogroups.com, Larry Menzel <retire@> wrote:
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7939. Re: [orion565] Re: SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 18:26:32 UTC
From: Barry N1EU
Topic: 7921 Message: 7939

Yes Larry, change to ANT2 like Onno is suggesting - it fixed my problem.

73, Barry N1EU

On Sun, Mar 4, 2012 at 5:57 PM, Larry Menzel <retire@...> wrote:

> Well, I just reloaded 3.025 and the radio exhibits the same thing. It
> maxes output at 36 display, with no increase to 100.
>
> Still getting full power out on CW however. Radio works perfectly in every
> other respect under 3.025.
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> Barry, did you come up with anything?
>
> Larry, W0PR
>
> On Sat, Mar 3, 2012 at 8:43 PM, airman11141952 <w7trp@...> wrote:
>
> > **
> > >
> > >
> > >
> > >
> > Loaded V.3.03 on my 565 and no issues here. Full power on all bands, both
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> > Gary
> > W7TRP
> > >
> > >
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> > > Whoa...really...you're not saying that just to make me feel better,
> > Barry?
> > > >
> > > Ok, time to reload.
> > > >
> > > Larry
> > > On Mar 3, 2012 2:53 PM, "Barry N1EU" <barry.n1eu@...> wrote:
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> > > > > >
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7941. Re: SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 19:49:30 UTC
From: airman11141952
Topic: 7921 Message: 7941

Sorry, Onno. I just now saw your reply. I switched it over to antenna two with no change. I still get full output on SSB and CW using antenna 2 on 10 meters. As far as that goes, on all bands.

Gary

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> which TX connector are you using? ANT1 or ANT2? Could you swap them and check again? I realize it sounds a bit weird but please try.
> Regards, Onno
>
> --- In orion565@yahoogroups.com, Larry Menzel <retire@> wrote:
> >
> > Well, I just reloaded 3.025 and the radio exhibits the same thing. It
> > maxes output at 36 display, with no increase to 100.
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> > Larry, W0PR
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> > > Loaded V.3.03 on my 565 and no issues here. Full power on all bands, both
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> > > --- In orion565@yahoogroups.com, Larry Menzel <retire@> wrote:
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> > > > Whoa...really...you're not saying that just to make me feel better,
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> > > >
> > > > Ok, time to reload.
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> > > > Larry
> > > > On Mar 3, 2012 2:53 PM, "Barry N1EU" <barry.n1eu@> wrote:
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> > > > > **
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7942. RIT fixed in my O2

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 20:00:22 UTC
From: George
Topic: 7942 Message: 7942

I did everything I could think of without going inside the O2 to get the RIT to change the frequency with no help. I ordered 3 encoders and replaced the CUT, MULTI, and the RIT/XIT encoders and the O2 is working fine now. Six months ago I had to replace the PBT/BW encoder and should have replaced all of them while I had it stripped down.
The volume controls are working fine and I noted that they use the same encoder control. All 6 controls use the same encoder control.

George W2YJ

7943. Re: [orion565] Re: SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 20:37:10 UTC
From: Larry Menzel
Topic: 7921 Message: 7943

Yes, not engaged, I'll try it.
On Mar 4, 2012 10:10 AM, "pa1ap" <pa1ap@nextchallenge.net> wrote:

> **
>
>
> Do you have internal tuner installed?
> Thanks and regards, onno
> --- In orion565@yahoogroups.com, "airman11141952" <w7trp@...> wrote:
> >
> >
> >
> >
> >
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> >
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> > Loaded V.3.03 on my 565 and no issues here. Full power on all bands,
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> > > Ok, time to reload.
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> > > On Mar 3, 2012 2:53 PM, "Barry N1EU" <barry.n1eu@> wrote:
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7944. Re: [orion565] Re: SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 20:54:07 UTC
From: Larry Menzel
Topic: 7921 Message: 7944

Nope, Antenna 2 is the same. 20 watts max on 10, I do have a tuner, but of course, it only works on Antenna 1.

Engaging or disengaging the tuner makes no difference.

Larry, W0PR

On Sun, Mar 4, 2012 at 12:26 PM, Barry N1EU <barry.n1eu@...> wrote:

> **
>
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> Yes Larry, change to ANT2 like Onno is suggesting - it fixed my problem.
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> 73, Barry N1EU
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7945. Orion 1 sweep rang adjust range ?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 21:07:25 UTC
From: force2ak
Topic: 7945 Message: 7945

Orion 1 Firware version 3.025, just wondering if I'm missing
something my RX menu has Sweep display On or Off while the manual
shows Sweep Range adjustable with ranges widths of 4.5, 9, 18, 36, and 72 Khz.
Am I in the wrong menu ?

Regards - Alan

7946. Re: [orion565] Orion 1 sweep rang adjust range ?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 21:21:51 UTC
From: Larry Menzel
Topic: 7945 Message: 7946

No, you're in the right menu. Mine is the same, btw, just on and off. On
my Orion II, I get the choices you mention but not on Orion now.

Looks like it's fully on at 72 kHz. as I look at the display.

Dunno. Must have been a change in 3.XX firmware.

Larry, W0PR

On Sun, Mar 4, 2012 at 3:07 PM, force2ak <force2ak@...> wrote:

> **
>
>
> Orion 1 Firware version 3.025, just wondering if I'm missing
> something my RX menu has Sweep display On or Off while the manual
> shows Sweep Range adjustable with ranges widths of 4.5, 9, 18, 36, and 72
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7947. Re: SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 21:34:39 UTC
From: pa1ap
Topic: 7921 Message: 7947

Hello Larry,

Work in progress to reproduce the issues as observed. We found some clues to where it might reside but information seems to conflict each other.

1) with my 565 and internal tuner I observed 10M output to be very low, combined with very high powersupply current drain (25AMPs)
2) point 1 without internal tuner enabled...
3) change ANT1 to ANT2 solved the issue. I had about 70Watts peak output on 10Meter. ALC happy and such like. Barry found similar results.
4) performing the following sequence solved the issue for ANT1; enabled tuner, tune on a frequency, disable tuner and problem fixed. somehow the tuner was not in bypass mode. Could be a isolated problem.

There could be several reasons for the problem as observed. We are trying to reproduce the problem since it is not always there it seems.

Could you check the power supply current drain and report back the approximate current? Simply compare with CW at 100Watt and share if its 10,20,30% of maximum CW. Sorry I don't have direct answers and I hope TT can pick up the investigation soon.

///

With regards to ALC... It is known that higher frequencies will need some more umph on the orion. I am using the 708 mic and have the following settings which work well for all bands; mic potentiometer at factory default, mic gain at 50%, H/W mic gain at 15dB, SP at 0 (i dont use that anymore), TX eq at -5dB. Those settings give me good audio and at all bands ALC follows the peaks nicely. On lower bands I can lower H/W mic gain to about 10dB but it makes no difference in audio quality (worse or better)... So I settled with settings above.

Best regards, Onno

--- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
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> course, it only works on Antenna 1.
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7948. Re: [orion565] Re: SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 21:39:05 UTC
From: Larry Menzel
Topic: 7921 Message: 7948

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So, it's definitely a 3.XX version issue, and nothing is wrong with my radio, or so it would seem. I felt this way from the beginning because my CW/RTTY output was fine.

Anyone got an answer other than firmware?

Larry, W0PR

PS...I'm going to reload 3.03 and see what happens.

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7949. Re: [orion565] Re: SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 21:48:30 UTC
From: Larry Menzel
Topic: 7921 Message: 7949

Yep...back to 3.03 and back to no output on 20 thru 10 meters.

Guess that cinches it for me.

Be talking to John Henry in the morning.

Larry, W0PR

On Sun, Mar 4, 2012 at 3:39 PM, Larry Menzel <retire@...> wrote:

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7950. Re: [orion565] Re: SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 21:56:57 UTC
From: James Skalski
Topic: 7921 Message: 7950

I have a O2. It is a Great radio.
I just finished the latest upgrade. It took about 200 seconds. As with the last couple upgrades it loaded without incident.
I use a an old xp pro computer with a dedicated serial port, ie no adapters. The serial cable works with my pic programmers and atmel programmers.
I will have to keep that computer and cable around for a while :)
Firmware issues come up every time there is an upgrade.
I guess what we need is a utility to test your setup before you do any upgrades to let you know what your com port is and whether it is shared and thus able to upgrade the firmware.
Also if someone could source a "known working" usb to serial cable that works with XP, Windows 7 and whatever comes out next.
This could save people a lot of grief.
Jim n2go

From: Larry Menzel <retire@...>
To: orion565@yahoogroups.com
Sent: Sunday, March 4, 2012 4:39 PM
Subject: Re: [orion565] Re: SSB output

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>> > > > > > microHAM 2R+ usually) but nothing increases my SSB output. Same
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>> > > > > > with both my PR781 mic and my Heil headset. BTW, all work fine
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>> > > > > > Further checking, finds excellent 80+ watts on 40 and 75, Same
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>> > > > > > Anyone else have a possible solution? Don't think there's
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7951. RE: [orion565] Re: SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 22:33:08 UTC
From: art davis
Topic: 7921 Message: 7951

Just found out I have the same problem. With mic gain at 100, I get about 50W out and the ALC light still does not come on. CW is OK. On 15 I get 90W with gain set at 15.

Wish I had an amp with 10M on it!

Art N4UC

To: orion565@yahoogroups.com
From: jskalski@...
Date: Sun, 4 Mar 2012 13:56:57 -0800
Subject: Re: [orion565] Re: SSB output

I have a O2. It is a Great radio.

I just finished the latest upgrade. It took about 200 seconds. As with the last couple upgrades it loaded without incident.

I use a an old xp pro computer with a dedicated serial port, ie no adapters. The serial cable works with my pic programmers and atmel programmers.

I will have to keep that computer and cable around for a while :)

Firmware issues come up every time there is an upgrade.

I guess what we need is a utility to test your setup before you do any upgrades to let you know what your com port is and whether it is shared and thus able to upgrade the firmware.

Also if someone could source a "known working" usb to serial cable that works with XP, Windows 7 and whatever comes out next.

This could save people a lot of grief.

Jim n2go

From: Larry Menzel <retire@...>

To: orion565@yahoogroups.com

Sent: Sunday, March 4, 2012 4:39 PM

Subject: Re: [orion565] Re: SSB output

*Well, guess what, fellas? I just loaded 2.054 back on my Orion. And I

have FULL 100+ watts on 10 meter SSB, as well as all the other high bands. *

So, it's definitely a 3.XX version issue, and nothing is wrong with my

radio, or so it would seem. I felt this way from the beginning because my

CW/RTTY output was fine.

Anyone got an answer other than firmware?

Larry, W0PR

PS...I'm going to reload 3.03 and see what happens.

On Sun, Mar 4, 2012 at 2:54 PM, Larry Menzel <retire@...> wrote:

> Nope, Antenna 2 is the same. 20 watts max on 10, I do have a tuner, but

> of course, it only works on Antenna 1.

>

> Engaging or disengaging the tuner makes no difference.

>

> Larry, W0PR

>

>

>

> On Sun, Mar 4, 2012 at 12:26 PM, Barry N1EU <barry.n1eu@...> wrote:

>

>> **

>>

>>

>> Yes Larry, change to ANT2 like Onno is suggesting - it fixed my problem.

>>

>> 73, Barry N1EU

>>

>>

>> On Sun, Mar 4, 2012 at 5:57 PM, Larry Menzel <retire@...> wrote:

>>

>> > Well, I just reloaded 3.025 and the radio exhibits the same thing. It

>> > maxes output at 36 display, with no increase to 100.

>> >

>> > Still getting full power out on CW however. Radio works perfectly in

>> every

>> > other respect under 3.025.

>> >

>> > Barry, did you come up with anything?

>> >

>> > Larry, W0PR

>> >

>> > On Sat, Mar 3, 2012 at 8:43 PM, airman11141952 <w7trp@...> wrote:

>> >

>> > > **

>>

>> > >

>> > >

>> > >

>> > >

>> > > Loaded V.3.03 on my 565 and no issues here. Full power on all bands,

>> both

>> > > SSB and CW. I did not do a master reset after the down load, either.

>> > >

>> > > Gary

>> > > W7TRP

>> > >

>> > >

>> > > --- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:

>> > > >

>> > > > Whoa...really...you're not saying that just to make me feel better,

>> > > Barry?

>> > > >

>> > > > Ok, time to reload.

>> > > >

>> > > > Larry

>> > > > On Mar 3, 2012 2:53 PM, "Barry N1EU" <barry.n1eu@...> wrote:

>> > > >

>> > > > > **

>> > >

>> > > > >

>> > > > >

>> > > > > Larry I have the E-X-A-C-T same problem here.

>> > > > >

>> > > > > Barry N1EU

>> > > > >

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>> > > > >

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>> > > > > > Larry, W0PR

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7952. Serial port tester V1010 to test serial cable before performing an upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 22:35:10 UTC
From: pa1ap
Topic: 7952 Message: 7952

Greetings,

In between jobs I have included the stress test function (memory read and write) as well ANT toggle function within the serial tester.

It should be self explanatory;

1) install the program (unzip and click on the Serial tester 1010.exe file
2) step 1 -> select the serial port anc click connect.
3) step 2 -> the program will check the port status as well CTS status. and include some text to help. If its green its good.
4) step 3 -> power cycle the orion and check if CTS goes from green to red and back to green again. this to check and confirm cts wire
5) step 4-> click on the button to see if something happens with orion
6) step 5 -> click on memory load test sequence and observe the CTS status... it should go red once in a while. This is not an error but good signal that the stream of data is send to fast to orion. If it doesn't happen first time, just click the button second time.. You can also make it more busy by giving the VFOA a big swing during the test. Second you can also click on the ant toggle load test. Same thing but it might cause more / less cpu load.

Step 5 will show CTS mechanism. Especially when you turn VFOA during the test I would expect the CPU to be very busy.

Let me know how it goes. If your test does not do anything with CTS than it is very likely a wrong cable and/or device driver.

http://www.box.com/s/2vq9ovg90127rm46nh49

best regards, Onno

7953. Comparison of V3 to V2 Audio Quality

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 22:53:35 UTC
From: orion565-owner@yahoogroups.com
Topic: 7953 Message: 7953

Hello O2 Fans:

After a rather long conversation with KL7HRN, who like myself has had the O2 since it was first introduced, I found that Ed and I shared some identical thoughts regarding the comparison of the new and older firmware.

Ed had already switched back to V 2.044a after many hours with V 3.038. He felt that the audio quality with the V2 firmware was quite superior to the new V3. He generally does not need to use NR because of his location, and felt that the clarity of the newer firmware, does not equal the earlier releases.

I also must admit that a must agree with this, particularly if the NR is engaged. It is really hard to say what is happening here. Weaker signals probably do not produce a poorer audio quality, but the radio is generally noisier and the NR does not seem to work as well with the receiver noise floor. The stronger the signal being received, the more evident the quality difference seems to be. Whether this is also due to other nearby strong signals when the band is wide open, is also hard to say.

The Hardware noise blanker in the new firmware seems to be very effective in reducing electrical hash, but the resulting distortion from nearby strong signals makes its utilization difficult. Too many pops, clicks, and general trash are produced when strong signals are present.

Although I have a 5 element mono band yogi on 20m, and perhaps overload might be a problem, I have tried all levels of RF gain, and find nothing which will solve the distortion and clarity problems.

During my 20 hours or so of testing, I also encountered two glitches. One problem was found when trying to change step size on both the main and sub receiver. Rebooting the radio solved this problem. The second major glitch was found after changing bands, neither the hardware NB or the NR would work, and rebooting the radio did not solve the problem. A master reset did solve the issue.

I have loaded V 2.044a today, and I am again extremely satisfied with my received audio quality. There were a few other changes which I had to reset, such as the need to change both TX and RX equalization, and microphone gain settings.

In all the years I ran V 2.039d, I never had even one glitch in the radio, not one. I did not expect to find these issues in the latest release. I will use Ed's suggestion and explore V 2.044a until something else becomes available.

73 and Happy DXing,

Mike
W2AJI

7954. Re: [orion565] Re: SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 23:05:17 UTC
From: Larry Menzel
Topic: 7921 Message: 7954

HI, Onno.

OK, I told you a while ago that I went back to 2.054. Everything works.100 watts out on 10-20 meters SSB,

I reloaded 3.03 and the same problem manifested itself. Reloaded 2.64Xg, 10 meter ssb was better, but when I kicked in the speech processor, BANG output dropped to almost nothing!

Reloaded 2.054, and once again, 100 watts on 10 meters, SP working as it should, and both receivers working well (had second receiver problems, too, with 3.03).

Changing antenna inputs does nothing. I don't have anything to check current draw so I can't answer that question. I checked ALL coaxial connections between the radio and antenna input, and all is well there as well. I went straight from the radio to the antenna, got the most power, of course, and so tried everything in between.

Barry, try kicking your SP in and out and see if it has any ill effect on output power. Sure does here in 3.03. No problem at all in 2.54. No screen issues either, like 3.025.

I think I'll leave well enough alone and stay with 2.054 for the time being. I hope John Henry is watching this thread. There may be a bug in the recent release.

Larry, W0PR

On Sun, Mar 4, 2012 at 3:34 PM, pa1ap <pa1ap@...> wrote:

> **
>
>
> Hello Larry,
>
> Work in progress to reproduce the issues as observed. We found some clues
> to where it might reside but information seems to conflict each other.
>
> 1) with my 565 and internal tuner I observed 10M output to be very low,
> combined with very high powersupply current drain (25AMPs)
> 2) point 1 without internal tuner enabled...
> 3) change ANT1 to ANT2 solved the issue. I had about 70Watts peak output
> on 10Meter. ALC happy and such like. Barry found similar results.
> 4) performing the following sequence solved the issue for ANT1; enabled
> tuner, tune on a frequency, disable tuner and problem fixed. somehow the
> tuner was not in bypass mode. Could be a isolated problem.

>
> There could be several reasons for the problem as observed. We are trying
> to reproduce the problem since it is not always there it seems.
>
> Could you check the power supply current drain and report back the
> approximate current? Simply compare with CW at 100Watt and share if its
> 10,20,30% of maximum CW. Sorry I don't have direct answers and I hope TT
> can pick up the investigation soon.
>
> ///
>
> With regards to ALC... It is known that higher frequencies will need some
> more umph on the orion. I am using the 708 mic and have the following
> settings which work well for all bands; mic potentiometer at factory
> default, mic gain at 50%, H/W mic gain at 15dB, SP at 0 (i dont use that
> anymore), TX eq at -5dB. Those settings give me good audio and at all bands
> ALC follows the peaks nicely. On lower bands I can lower H/W mic gain to
> about 10dB but it makes no difference in audio quality (worse or better)...
> So I settled with settings above.
>
> Best regards, Onno
>
>
> --- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
> >
> > Nope, Antenna 2 is the same. 20 watts max on 10, I do have a tuner, but
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> > course, it only works on Antenna 1.
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> > Larry, W0PR
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> > > > On Sat, Mar 3, 2012 at 8:43 PM, airman11141952 <w7trp@...> wrote:
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> > > > > > > > > Ok, time to reload.
> > > > > > > > >
> > > > > > > > > Larry
> > > > > > > > > On Mar 3, 2012 2:53 PM, "Barry N1EU" <barry.n1eu@> wrote:
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7955. Re: [orion565] Re: SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 23:08:20 UTC
From: Larry Menzel
Topic: 7921 Message: 7955

Hi, Jim, yep...same here, my OII is working perfectly! I put the new RX366 receiver in it, as well, now I'm *really* happy with it.

My update problems are with my Orion (original). Back to previous 2.054 firmware and everything works again.

Larry

On Sun, Mar 4, 2012 at 3:56 PM, James Skalski <jskalski@...> wrote:

> **
>
>
> I have a O2. It is a Great radio.
> I just finished the latest upgrade. It took about 200 seconds. As with the
> last couple upgrades it loaded without incident.
> I use a an old xp pro computer with a dedicated serial port, ie no
> adapters. The serial cable works with my pic programmers and atmel
> programmers.
> I will have to keep that computer and cable around for a while :)
> Firmware issues come up every time there is an upgrade.
> I guess what we need is a utility to test your setup before you do any
> upgrades to let you know what your com port is and whether it is shared and
> thus able to upgrade the firmware.
> Also if someone could source a "known working" usb to serial cable that
> works with XP, Windows 7 and whatever comes out next.
> This could save people a lot of grief.
> Jim n2go
>
> ________________________________
>
> From: Larry Menzel <retire@...>
> To: orion565@yahoogroups.com
> Sent: Sunday, March 4, 2012 4:39 PM
> Subject: Re: [orion565] Re: SSB output
>
> *Well, guess what, fellas? I just loaded 2.054 back on my Orion. And I
> have FULL 100+ watts on 10 meter SSB, as well as all the other high bands.
> *
>
>
> So, it's definitely a 3.XX version issue, and nothing is wrong with my
> radio, or so it would seem. I felt this way from the beginning because my
> CW/RTTY output was fine.
>
> Anyone got an answer other than firmware?

>
> Larry, W0PR
>
> PS...I'm going to reload 3.03 and see what happens.
>
> On Sun, Mar 4, 2012 at 2:54 PM, Larry Menzel <retire@...> wrote:
>
> > Nope, Antenna 2 is the same. 20 watts max on 10, I do have a tuner, but
> > of course, it only works on Antenna 1.
> >
> > Engaging or disengaging the tuner makes no difference.
> >
> > Larry, W0PR
> >
> >
> >
> > On Sun, Mar 4, 2012 at 12:26 PM, Barry N1EU <barry.n1eu@...>
> wrote:
> >
> >> **
>
> >>
> >>
> >> Yes Larry, change to ANT2 like Onno is suggesting - it fixed my problem.
> >>
> >> 73, Barry N1EU
> >>
> >>
> >> On Sun, Mar 4, 2012 at 5:57 PM, Larry Menzel <retire@...> wrote:
> >>
> >> > Well, I just reloaded 3.025 and the radio exhibits the same thing. It
> >> > maxes output at 36 display, with no increase to 100.
> >> >
> >> > Still getting full power out on CW however. Radio works perfectly in
> >> every
> >> > other respect under 3.025.
> >> >
> >> > Barry, did you come up with anything?
> >> >
> >> > Larry, W0PR
> >> >
> >> > On Sat, Mar 3, 2012 at 8:43 PM, airman11141952 <w7trp@...> wrote:
> >> >
> >> > > **
> >>
> >> > >
> >> > >
> >> > >
> >> > >
> >> > Loaded V.3.03 on my 565 and no issues here. Full power on all bands,

> >> both
> >> > > SSB and CW. I did not do a master reset after the down load, either.
> >> > >
> >> > > Gary
> >> > > W7TRP
> >> > >
> >> > >
> >> > > --- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
> >> > > >
> >> > > > Whoa...really...you're not saying that just to make me feel
> better,
> >> > > Barry?
> >> > > >
> >> > > > Ok, time to reload.
> >> > > >
> >> > > > Larry
> >> > > > On Mar 3, 2012 2:53 PM, "Barry N1EU" <barry.n1eu@...> wrote:
> >> > > >
> >> > > > > **
> >> > >
> >> > > > >
> >> > > > > >
> >> > > > > Larry I have the E-X-A-C-T same problem here.
> >> > > > > >
> >> > > > > Barry N1EU
> >> > > > > >
> >> > > > > On Sat, Mar 3, 2012 at 6:43 PM, Larry Menzel <retire@...>
> wrote:
> >> > > > > >
> >> > > > > > **
> >> > > > > > >
> >> > > > > > >
> >> > > > > > Hi, guys,
> >> > > > > > >
> >> > > > > > Well, setting up for the DX contest today, I saw a spot for
> VP5M
> >> > > which is
> >> > > > > > operated by guys from our club, W0GJ, WA0MHJ and K0MD.
> >> > > > > > >
> >> > > > > > Anyway, I switched over to 10 meters on my Orion (also have an
> >> OII)
> >> > > and
> >> > > > > > gave Glen, W0GJ, a call. To my surprise, I had only 8 watts of
> >> > > output on
> >> > > > > > SSB. I can scream into the mic...most I can get with mic gain
> >> at 60
> >> > > is
> >> > > > > > about 20 watts. I expect to see lower output PEP on SSB, but
> 20
> >> > > watts? I

> >> > > > > > cranked the output power to 100 with not much change, in
> fact, I
> >> > get
> >> > > the
> >> > > > > > same ssb output with the power setting at 50 as I do at 100.
> >> > > > > > >
> >> > > > > > Checking a bit more, I find that I have full 100 watts out on
> >> cw,
> >> > but
> >> > > > > > can't
> >> > > > > > anything near that out on SSB.
> >> > > > > > >
> >> > > > > > OK, checked everything, Audio, SSB settings, mic gain,
> >> processor,
> >> > > H/W mic
> >> > > > > > gain, everything you'd check, even put on another mic cable
> >> (thru a
> >> > > > > > microHAM 2R+ usually) but nothing increases my SSB output.
> Same
> >> > > results
> >> > > > > > with both my PR781 mic and my Heil headset. BTW, all work fine
> >> on
> >> > the
> >> > > > > > Orion II.
> >> > > > > > >
> >> > > > > > Further checking, finds excellent 80+ watts on 40 and 75, Same
> >> > > settings
> >> > > > > on
> >> > > > > > 20 yield 40+ watts. Why the huge drop in sideband output on
> >> higher
> >> > > > > > frequencies? And again, same power output with my power
> >> indicator
> >> > at
> >> > > 50
> >> > > > > or
> >> > > > > > 100 on 15 and 10 meters. I get good power variability on ssb
> up
> >> > > through
> >> > > > > 40
> >> > > > > > and then start seeing the drop off.
> >> > > > > > >
> >> > > > > > Anyone else have a possible solution? Don't think there's
> >> anything
> >> > > wrong
> >> > > > > > with my finals, etc, as output on CW is just fine. I just
> loaded
> >> > > V3.30
> >> > > > > > but
> >> > > > > > that's a different story, there I have no receive on my second
> >> > > receiver

> >> > > > > and
> >> > > > > > other issues going on.
> >> > > > > > >
> >> > > > > > > Thanks.
> >> > > > > > > >
> >> > > > > > > Larry, W0PR
> >> > > > > > > >
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7956. Re: [orion565] Comparison of V3 to V2 Audio Quality

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 23:15:56 UTC
From: Larry Menzel
Topic: 7953 Message: 7956

Interesting, Mike,

I live in a pretty low noise environment here, so I rarely use NB or NR. I find the new SAF feature too good to give up, regardless, plus, I have the RX366 installed, so v3 is the only option I have. I find that the latest version 3.028 works very well, with both receivers. I think the SSB audio is excellent, especially if one adds a little tweak to the audio rx eq.

I have had no reason to reset mine, at all...so we'll see. The RX366 makes the second receiver simply exceptional. I was listening around to some pileups today, and the clarity and excellent receive characteristics we only enjoyed with our main receiver is now the same on the new '366. Couldn't be more pleased.

I listened around in the SSB contest alot this weekend, and looked for interference situations. I was very pleased with the discrimination, especially on SSB, that the radio now has with the new firmware. I think it's pretty darn good. I have some issues with 3.xx firmware on my original Orion, and I'm going to have to talk with Paul Clinton or John Henry about that this week. See the other thread on SSB output.

The O2 is a great radio! Enjoy.

Larry, W0PR

On Sun, Mar 4, 2012 at 4:53 PM, <orion565-owner@yahoogroups.com> wrote:

> **
>
>
> Hello O2 Fans:
>
> After a rather long conversation with KL7HRN, who like myself has had the
> O2 since it was first introduced, I found that Ed and I shared some
> identical thoughts regarding the comparison of the new and older firmware.
>
> Ed had already switched back to V 2.044a after many hours with V 3.038. He
> felt that the audio quality with the V2 firmware was quite superior to the
> new V3. He generally does not need to use NR because of his location, and
> felt that the clarity of the newer firmware, does not equal the earlier
> releases.
>
> I also must admit that a must agree with this, particularly if the NR is
> engaged. It is really hard to say what is happening here. Weaker signals
> probably do not produce a poorer audio quality, but the radio is generally
> noisier and the NR does not seem to work as well with the receiver noise
> floor. The stronger the signal being received, the more evident the quality

> difference seems to be. Whether this is also due to other nearby strong
> signals when the band is wide open, is also hard to say.
>
> The Hardware noise blanker in the new firmware seems to be very effective
> in reducing electrical hash, but the resulting distortion from nearby
> strong signals makes its utilization difficult. Too many pops, clicks, and
> general trash are produced when strong signals are present.
>
> Although I have a 5 element mono band yogi on 20m, and perhaps overload
> might be a problem, I have tried all levels of RF gain, and find nothing
> which will solve the distortion and clarity problems.
>
> During my 20 hours or so of testing, I also encountered two glitches. One
> problem was found when trying to change step size on both the main and sub
> receiver. Rebooting the radio solved this problem. The second major glitch
> was found after changing bands, neither the hardware NB or the NR would
> work, and rebooting the radio did not solve the problem. A master reset did
> solve the issue.
>
> I have loaded V 2.044a today, and I am again extremely satisfied with my
> received audio quality. There were a few other changes which I had to
> reset, such as the need to change both TX and RX equalization, and
> microphone gain settings.
>
> In all the years I ran V 2.039d, I never had even one glitch in the radio,
> not one. I did not expect to find these issues in the latest release. I
> will use Ed's suggestion and explore V 2.044a until something else becomes
> available.
>
> 73 and Happy DXing,
>
> Mike
> W2AJI
>
>
>

[Non-text portions of this message have been removed]

7957. Re: [orion565] Comparison of V3 to V2 Audio Quality

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 23:41:01 UTC
From: Barry N1EU
Topic: 7953 Message: 7957

Using an Orion, not an Orion II, but I find the v3 ssb rx audio exceptional (and trust me, I'm VERY picky). Never use NR however, and never will.

Until someone posts a recording of the inferior rx audio some are reporting, we're all just blind men on the elephant trying to respond.

Barry N1EU

On Sun, Mar 4, 2012 at 11:15 PM, Larry Menzel <retire@...> wrote:

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>
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> it's pretty darn good. I have some issues with 3.xx firmware on my
> original Orion, and I'm going to have to talk with Paul Clinton or John
> Henry about that this week. See the other thread on SSB output.
>
> The O2 is a great radio! Enjoy.
>
> Larry, W0PR
>
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> > **
> >
> >
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> >
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> becomes
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> >
> > 73 and Happy DXing,
> >
> > Mike
> > W2AJI
> >
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7958. RE: [orion565] Comparison of V3 to V2 Audio Quality

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-04 23:50:32 UTC
From: Robert Carroll
Topic: 7953 Message: 7958

The NR creates a lot of distortion on signals at the noise floor. But I owe a number of new DXCC credits on 160m cw to it. The resulting signal may not be T9, but it's the QSO that counts. This feature of the Orion took me several years to learn to use it effectively, but it's wonderful. I do have a mike but am not sure where it is at the moment, so I can't comment on SSB usage.

73

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Sunday, March 04, 2012 6:41 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Comparison of V3 to V2 Audio Quality

Using an Orion, not an Orion II, but I find the v3 ssb rx audio exceptional (and trust me, I'm VERY picky). Never use NR however, and never will.

Until someone posts a recording of the inferior rx audio some are reporting, we're all just blind men on the elephant trying to respond.

Barry N1EU

On Sun, Mar 4, 2012 at 11:15 PM, Larry Menzel <retire@...
<mailto:retire%40means.net> > wrote:

> Interesting, Mike,
>
> I live in a pretty low noise environment here, so I rarely use NB or NR. I
> find the new SAF feature too good to give up, regardless, plus, I have the
> RX366 installed, so v3 is the only option I have. I find that the latest
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> Henry about that this week. See the other thread on SSB output.
>
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>
> Larry, W0PR
>
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<mailto:orion565-owner%40yahoogroups.com> > wrote:
>
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> >
> >
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7959. RE: [orion565] Serial port tester V1010 to test serial cable before performing an upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-05 00:22:58 UTC
From: George
Topic: 7952 Message: 7959

I get "application cannot be started" when I try to run serial tester 1010.exe.

I'm running W7 64 bit.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Sunday, March 04, 2012 5:35 PM
To: orion565@yahoogroups.com
Subject: [orion565] Serial port tester V1010 to test serial cable before performing an upgrade

Greetings,

In between jobs I have included the stress test function (memory read and write) as well ANT toggle function within the serial tester.

It should be self explanatory;

1) install the program (unzip and click on the Serial tester 1010.exe file
2) step 1 -> select the serial port anc click connect.
3) step 2 -> the program will check the port status as well CTS status. and include some text to help. If its green its good.
4) step 3 -> power cycle the orion and check if CTS goes from green to red and back to green again. this to check and confirm cts wire
5) step 4-> click on the button to see if something happens with orion
6) step 5 -> click on memory load test sequence and observe the CTS status... it should go red once in a while. This is not an error but good signal that the stream of data is send to fast to orion. If it doesn't happen first time, just click the button second time.. You can also make it more busy by giving the VFOA a big swing during the test. Second you can also click on the ant toggle load test. Same thing but it might cause more / less cpu load.

Step 5 will show CTS mechanism. Especially when you turn VFOA during the test I would expect the CPU to be very busy.

Let me know how it goes. If your test does not do anything with CTS than it is very likely a wrong cable and/or device driver.

http://www.box.com/s/2vq9ovg90127rm46nh49

best regards, Onno

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2114/4850 - Release Date: 03/04/12

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7960. WTB orion II 566

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-05 00:35:53 UTC
From: AC2FC
Topic: 7960 Message: 7960

Hi all,
I am looking for Orion II (used or broken).Send me what you have and price to tarniowy@...

73,
Arek
AC2FC

7961. Re: [orion565] Comparison of V3 to V2 Audio Quality

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-05 06:36:21 UTC
From: Sam W Jacobs CET
Topic: 7953 Message: 7961

Larry,

I do agree that 3.028 is excellent with SSB. I have NO problems with the front speaker audio. My problem is a result of the Line Out in the rear. I do a lot of recording, plus have my main audio piped through my studio mixer via the Line Out and when the AN feature is turned on the audio pops and clicks on the LINE OUT ONLY, not the front speaker.

If I get a chance I'll 1) look at the O2 schematics to see if I can pin point the audio routing and 2) make a recording for this group (it won't be hard, just need to find the time). My health is bad, my baby boy (13 yr old German Shepard) is on his last leg and I have a honey-do list 10 miles long, but I'll try and fit this in.

And quickly, IMO the audio from 2.039d was excellent. So far it's too early for me to say if 3.028 is any better, but I don't think it's worse. I'll be able to tell better once T*T fixes this Line Out bug.

73,
Sam
K3SAM

From: Larry Menzel <retire@...>
To: orion565@yahoogroups.com
Sent: Sunday, March 4, 2012 6:15 PM
Subject: Re: [orion565] Comparison of V3 to V2 Audio Quality

Interesting, Mike,

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I listened around in the SSB contest alot this weekend, and looked for interference situations. I was very pleased with the discrimination, especially on SSB, that the radio now has with the new firmware. I think it's pretty darn good. I have some issues with 3.xx firmware on my original Orion, and I'm going to have to talk with Paul Clinton or John Henry about that this week. See the other thread on SSB output.

The O2 is a great radio! Enjoy.

Larry, W0PR

On Sun, Mar 4, 2012 at 4:53 PM, <orion565-owner@yahoogroups.com> wrote:

> **
>
>
> Hello O2 Fans:
>
> After a rather long conversation with KL7HRN, who like myself has had the
> O2 since it was first introduced, I found that Ed and I shared some
> identical thoughts regarding the comparison of the new and older firmware.
>
> Ed had already switched back to V 2.044a after many hours with V 3.038. He
> felt that the audio quality with the V2 firmware was quite superior to the
> new V3. He generally does not need to use NR because of his location, and
> felt that the clarity of the newer firmware, does not equal the earlier
> releases.
>
> I also must admit that a must agree with this, particularly if the NR is
> engaged. It is really hard to say what is happening here. Weaker signals
> probably do not produce a poorer audio quality, but the radio is generally
> noisier and the NR does not seem to work as well with the receiver noise
> floor. The stronger the signal being received, the more evident the quality
> difference seems to be. Whether this is also due to other nearby strong
> signals when the band is wide open, is also hard to say.
>
> The Hardware noise blanker in the new firmware seems to be very effective
> in reducing electrical hash, but the resulting distortion from nearby
> strong signals makes its utilization difficult. Too many pops, clicks, and
> general trash are produced when strong signals are present.
>
> Although I have a 5 element mono band yogi on 20m, and perhaps overload
> might be a problem, I have tried all levels of RF gain, and find nothing
> which will solve the distortion and clarity problems.
>
> During my 20 hours or so of testing, I also encountered two glitches. One
> problem was found when trying to change step size on both the main and sub
> receiver. Rebooting the radio solved this problem. The second major glitch
> was found after changing bands, neither the hardware NB or the NR would
> work, and rebooting the radio did not solve the problem. A master reset did
> solve the issue.
>
> I have loaded V 2.044a today, and I am again extremely satisfied with my
> received audio quality. There were a few other changes which I had to
> reset, such as the need to change both TX and RX equalization, and
> microphone gain settings.
>
> In all the years I ran V 2.039d, I never had even one glitch in the radio,
> not one. I did not expect to find these issues in the latest release. I

> will use Ed's suggestion and explore V 2.044a until something else becomes
> available.
>
> 73 and Happy DXing,
>
> Mike
> W2AJI
>
>
>

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Yahoo! Groups Links

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7962. Re: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-05 06:44:55 UTC
From: Sam W Jacobs CET
Topic: 7918 Message: 7962

Floyd, I'm not talking about the NR feature, reread the thread. It's the AN (auto notch) feature and the pops and clicks are only on the LINE OUT in the back.

Although the NR still makes people sound like they are underwater.

73,
Sam
K3SAM

From: floydsense <floyd@...>
To: orion565@yahoogroups.com
Sent: Sunday, March 4, 2012 1:31 PM
Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Sam - also have an O2 here with the latest V3 installed. I rarely use the NR function, but after reading your post I tuned around on 20 SSB listening for very weak stations to try it with. Most of the time, the NR improved the copy a bit and it sounds about the same to me as it did with the 2.044 release.

73, Floyd

--- In orion565@yahoogroups.com, k3xr@... wrote:
>
> SpentÂ many hours listening to the receiver on the O2 after downloading the latest V3. .Â Find all versions of V3. have a negative impact on the quality of the received SSBÂ audio when the NR circuit is engaged, even on the lowest setting.Â Read the comment in these postings of the audio sounding "underwater" that would seem to be, for lack of a better description, a good assessment.Â Also noticed a receiver that seems to exhibit much more noise, which to some degree, has been resolved by doing a master reset.Â While it is true that adjustment of AGC in the areas of hang, delay, threshold can improve the NRÂ audio problem, it's not a cure. Returned to V2.044A which exhibits a much better NR function on SSB.Â Have these modern receivers become so complex that their advancedÂ performance has been negated by the reduction in user friendliness?Â Simply should not be spending huge amounts of time trying toÂ achieve the desired results.
> ----- Original Message -----
> From: "Sam W Jacobs CET" <Sam@...>
> To: orion565@yahoogroups.com, "Ten Tec Customer Ideas" <ditsnbits@...>
> Sent: Sunday, March 4, 2012 2:10:19 AM
> Subject: Re: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued
>
> Â

>
>
>
>
> Thanks Gene,
>
> I guess I'll just have to go back to the 2.039d version until the T*T comes up with a fix as it's no good to me the way it is now.Â Version 3.028 makes my $5,000 radio sound like a $5 toy, and we all know that's not the case.Â As a former software writer / author, I know that by changing one variable in the code can cause all kinds of havoc in the code further down the line.Â My guess is that's what is happening here.Â In fixing or adding one feature, another one has been compromised.Â
>
> NOTE to the software engineers:Â Any new version you want me to try out, beta or otherwise, send a link to my email address.
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> 73,
> Sam
> K3SAM
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> _____
> From: storygene < k7txo@... >
> To: orion565@yahoogroups.com
> Sent: Sunday, March 4, 2012 1:31 AM
> Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued
>
>
> Â
> Sam -
>
> 3.030 is the version & revision for 565 Orion you see in Downloads on the TEN-TEC site.
>
> 3.028 is the version & revision level for 566 Orion II you see in Downloads on the TEN-TEC site.
>
> There were additional changes specific to the Orion that stepped it by two revision levels over the Orion II.
>
> The changes are documented very well in the revision history notes that are also posted in the TEN-TEC downloads.
>
> I hope this helps with the version/revision state. I can't speak to your 566 Orion II's AN issue.
>
> Regards,
>
> Gene
>
> --- In orion565@yahoogroups.com , Sam W Jacobs CET <Sam@> wrote:

> >
> > So are you saying there is an upgrade from 3.028 for my O2 ?Ã,Â If so, I don't see it on the download page.Ã,Â Last night is the LAST NIGHT I can put up with the carriers close to my operating frequency.Ã,Â I can't use the AN (auto notch) because it causes Pops and Clicks on the line output and without it I get the Squeals and Tones.Ã,Â Increasing the threshold didn't help at all.
> >
> > So if there isn't an upgrade or quick fix, than I'll have to go back to 2.039d until a fix is found.
> >
> > Someone please let me know if 3.030 (or whatever it's called) is available for downloading.Ã,Â Thanks in advance.
> >
> > 73,
> > Sam
> > K3SAM
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> >
> >
> > _____
> > From: Wes Attaway (N5WA) <wesattaway@>
> > To: orion565@yahoogroups.com
> > Sent: Friday, March 2, 2012 11:50 PM
> > Subject: RE: [orion565] Status of V. 3.xx Firmware/Downloads
> >
> >
> > Ã,Â
> > I am using the latest version, v3.03, and it works great as far as I am
> > concerned. I don't think you would lose anything by making the upgrade, and
> > your RX performance would be better than where you are right now.
> >
> > ----------------- Wes Attaway (N5WA) -------------------
> > 1138 Waters Edge Circle, Shreveport, LA 71106
> > 318-797-4972 (Office) - 318-393-3289 (Cell)
> > Computer Consulting and Forensics
> > -------------- EnCase Certified Examiner ---------------
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> > _____
> >
> > From: orion565@yahoogroups.com [mailto: orion565@yahoogroups.com] On Behalf
> > Of Jim Koshmider
> > Sent: Friday, March 02, 2012 9:35 PM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] Status of V. 3.xx Firmware/Downloads
> >
> > Would someone please advise me as to which of the V. 3.xx versions of
> > firmware seems to work the best for a 565, modified for V. 2.xx firmware {
> > i.e. - pcb trace(s) cut }...? Thanks.
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> > 73,

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> > Jim, K8OZ
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7963. V3 and 565 Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-05 07:54:31 UTC
From: storygene
Topic: 7963 Message: 7963

A few weeks use of the V3 firmware including the latest iteration V3.030 continues to make me feel like I have an entirely new radio. The NB, NR and AN controls work great as well as the wonder SAF feature. This rig is without a doubt, the best I have ever worked with to optimize a signal.

Re earlier discussions about the RF Gain control on the Multi knob, this works fine for me as-is but I certainly think a dedicated control for RF Gain would be nice on whatever the next generation rig will be. Meanwhile as someone else suggested, a menu change to allow the optional Remote Encoder to control RF Gain would be outstanding.

Gene / K7TXO

7964. Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-05 12:25:23 UTC
From: floydsense
Topic: 7918 Message: 7964

Here's the first part of your post, Sam:

> SpentÃ□Â many hours listening to the receiver on the O2 after downloading the latest V3. .Ã□Â Find all versions of V3. have a negative impact on the quality of the received SSBÃ□Â audio when the NR circuit is engaged, even on the lowest setting.Ã□Â >

A bit hard to reread due to the extraneous characters. I promise not to comment on your posts in the future.

73, K8AC

--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> Floyd, I'm not talking about the NR feature, reread the thread.Â It's the AN (auto notch) feature and the pops and clicks are only on the LINE OUT in the back.
>
> Although the NR still makes people sound like they are underwater.
>
>
> 73,
> Sam
> K3SAM
>
>
> _____
> From: floydsense <floyd@...>
> To: orion565@yahoogroups.com
> Sent: Sunday, March 4, 2012 1:31 PM
> Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued
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>
> Sam - also have an O2 here with the latest V3 installed. I rarely use the NR function, but after reading your post I tuned around on 20 SSB listening for very weak stations to try it with. Most of the time, the NR improved the copy a bit and it sounds about the same to me as it did with the 2.044 release.
>
> 73, Floyd
>
> --- In orion565@yahoogroups.com, k3xr@ wrote:
> >
> > SpentÃ□Â many hours listening to the receiver on the O2 after downloading the latest V3. .Ã□Â Find all versions of V3. have a negative impact on the quality of the received SSBÃ□Â audio when the NR circuit is engaged, even on

the lowest setting.ÃÂ Read the comment in these postings of the audio sounding "underwater" that would seem to be, for lack of a better description, a good assessment.ÃÂ Also noticed a receiver that seems to exhibit much more noise, which to some degree, has been resolved by doing a master reset.ÃÂ While it is true that adjustment of AGC in the areas of hang, delay, threshold can improve the NRÃÂ audio problem, it's not a cure. Returned to V2.044A which exhibits a much better NR function on SSB.ÃÂ Have these modern receivers become so complex that their advancedÃÂ performance has been negated by the reduction in user friendliness?ÃÂ Simply should not be spending huge amounts of time trying toÃÂ achieve the desired
> results.
> > ----- Original Message -----
> > From: "Sam W Jacobs CET" <Sam@>
> > To: orion565@yahoogroups.com, "Ten Tec Customer Ideas" <ditsnbits@>
> > Sent: Sunday, March 4, 2012 2:10:19 AM
> > Subject: Re: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued
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> > Thanks Gene,
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> > I guess I'll just have to go back to the 2.039d version until the T*T comes up with a fix as it's no good to me the way it is now.ÃÂ Version 3.028 makes my $5,000 radio sound like a $5 toy, and we all know that's not the case.ÃÂ As a former software writer / author, I know that by changing one variable in the code can cause all kinds of havoc in the code further down the line.ÃÂ My guess is that's what is happening here.ÃÂ In fixing or adding one feature, another one has been compromised.ÃÂ
> >
> > NOTE to the software engineers:ÃÂ Any new version you want me to try out, beta or otherwise, send a link to my email address.
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> > Sam
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> > From: storygene < k7txo@ >
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> > Sent: Sunday, March 4, 2012 1:31 AM
> > Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued
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> >
> > ÃÂ
> > Sam -
> >
> > 3.030 is the version & revision for 565 Orion you see in Downloads on the TEN-TEC site.
> >
> > 3.028 is the version & revision level for 566 Orion II you see in Downloads on the TEN-TEC site.
> >
> > There were additional changes specific to the Orion that stepped it by two revision levels over the Orion II.
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> > The changes are documented very well in the revision history notes that are also posted in the TEN-TEC downloads.
> >
> > I hope this helps with the version/revision state. I can't speak to your 566 Orion II's AN issue.
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> > Regards,
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> > Gene
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> > --- In orion565@yahoogroups.com , Sam W Jacobs CET <Sam@> wrote:
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> > > From: Wes Attaway (N5WA) <wesattaway@>
> > > To: orion565@yahoogroups.com
> > > Sent: Friday, March 2, 2012 11:50 PM
> > > Subject: RE: [orion565] Status of V. 3.xx Firmware/Downloads
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> > > I am using the latest version, v3.03, and it works great as far as I am
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> > > From: orion565@yahoogroups.com [mailto: orion565@yahoogroups.com] On Behalf
> > > Of Jim Koshmider

> > > Sent: Friday, March 02, 2012 9:35 PM
> > > To: orion565@yahoogroups.com
> > > Subject: [orion565] Status of V. 3.xx Firmware/Downloads
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> > > Would someone please advise me as to which of the V. 3.xx versions of
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7965. Re: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-05 13:03:00 UTC
From: k3xr@comcast.net
Topic: 7918 Message: 7965

That was my post in response to Sam's, sorry should have signed it at the end. If you look at the message on the reflector you will see I sent it. Then extra characters....have no idea. Thanks, DAN, K3XR

----- Original Message -----
From: "floydsense" <floyd@...>
To: orion565@yahoogroups.com
Sent: Monday, March 5, 2012 7:25:23 AM
Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Here's the first part of your post, Sam:

> SentÃ‚Â many hours listening to the receiver on the O2 after downloading the latest V3. .Ã‚Â Find all versions of V3. have a negative impact on the quality of the received SSBÃ‚Â audio when the NR circuit is engaged, even on the lowest setting.Ã‚Â >

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> > > To: orion565@yahoogroups.com
> > > Sent: Friday, March 2, 2012 11:50 PM
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7966. Re: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-05 13:06:13 UTC
From: Sam W Jacobs CET
Topic: 7918 Message: 7966

Don't get upset Floyd... I didn't write that. That was part of the thread K3XR (I believe) wrote. My problem has been with the AN feature all along, however I really don't like what the NR feature is doing either. I'll wait until close of business today to see if a new version is posted (or at least announced), if not it's back to 2.039d for me.

As far as I'm concerned, your opinion as well as others is always welcome.

73,
Sam
K3SAM

From: floydsense <floyd@k8ac.net>
To: orion565@yahoogroups.com
Sent: Monday, March 5, 2012 7:25 AM
Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Here's the first part of your post, Sam:

> SpentÃ‚Â many hours listening to the receiver on the O2 after downloading the latest V3. .Ã‚Â Find all versions of V3. have a negative impact on the quality of the received SSBÃ‚Â audio when the NR circuit is engaged, even on the lowest setting.Ã‚Â >

A bit hard to reread due to the extraneous characters. I promise not to comment on your posts in the future.

73, K8AC

--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> Floyd, I'm not talking about the NR feature, reread the thread.Â It's the AN (auto notch) feature and the pops and clicks are only on the LINE OUT in the back.
>
> Although the NR still makes people sound like they are underwater.
>
>
> 73,
> Sam
> K3SAM
>
>
> ---
> From: floydsense <floyd@...>
> To: orion565@yahoogroups.com

> Sent: Sunday, March 4, 2012 1:31 PM
> Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued
>
>
> Â
>
>
> Sam - also have an O2 here with the latest V3 installed. I rarely use the NR function, but after reading your post I tuned around on 20 SSB listening for very weak stations to try it with. Most of the time, the NR improved the copy a bit and it sounds about the same to me as it did with the 2.044 release.
>
> 73, Floyd
>
> --- In orion565@yahoogroups.com, k3xr@ wrote:
> >
> > SpentÃ‚Â many hours listening to the receiver on the O2 after downloading the latest V3. .Ã‚Â Find all versions of V3. have a negative impact on the quality of the received SSBÃ‚Â audio when the NR circuit is engaged, even on the lowest setting.Ã‚Â Read the comment in these postings of the audio sounding "underwater" that would seem to be, for lack of a better description, a good assessment.Ã‚Â Also noticed a receiver that seems to exhibit much more noise, which to some degree, has been resolved by doing a master reset.Ã‚Â While it is true that adjustment of AGC in the areas of hang, delay, threshold can improve the NRÃ‚Â audio problem, it's not a cure. Returned to V2.044A which exhibits a much better NR function on SSB.Ã‚Â Have these modern receivers become so complex that their advancedÃ‚Â performance has been negated by the reduction in user friendliness?Ã‚Â Simply should not be spending huge
amounts of time trying toÃ‚Â achieve the desired
> results.
> > ----- Original Message -----
> > From: "Sam W Jacobs CET" <Sam@>
> > To: orion565@yahoogroups.com, "Ten Tec Customer Ideas" <ditsnbits@>
> > Sent: Sunday, March 4, 2012 2:10:19 AM
> > Subject: Re: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued
> >
> > Ã‚Â
> >
> >
> >
> >
> > Thanks Gene,
> >
> > I guess I'll just have to go back to the 2.039d version until the T*T comes up with a fix as it's no good to me the way it is now.Ã‚Â Version 3.028 makes my $5,000 radio sound like a $5 toy, and we all know that's not the case.Ã‚Â As a former software writer / author, I know that by changing one variable in the code can cause all kinds of havoc in the code further down the line.Ã‚Â My guess is that's what is happening here.Ã‚Â In fixing or adding one feature, another one has been compromised.Ã‚Â

> >
> > NOTE to the software engineers:Ã‚Â Any new version you want me to try out, beta or otherwise, send a link to my email address.
> >
> > 73,
> > Sam
> > K3SAM
> >
> > _____
> > From: storygene < k7txo@ >
> > To: orion565@yahoogroups.com
> > Sent: Sunday, March 4, 2012 1:31 AM
> > Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued
> >
> >
> > Ã‚Â
> > Sam -
> >
> > 3.030 is the version & revision for 565 Orion you see in Downloads on the TEN-TEC site.
> >
> > 3.028 is the version & revision level for 566 Orion II you see in Downloads on the TEN-TEC site.
> >
> > There were additional changes specific to the Orion that stepped it by two revision levels over the Orion II.
> >
> > The changes are documented very well in the revision history notes that are also posted in the TEN-TEC downloads.
> >
> > I hope this helps with the version/revision state. I can't speak to your 566 Orion II's AN issue.
> >
> > Regards,
> >
> > Gene
> >
> > --- In orion565@yahoogroups.com , Sam W Jacobs CET <Sam@> wrote:
> > >
> > > So are you saying there is an upgrade from 3.028 for my O2 ?Ãƒâ€šÃ‚Â If so, I don't see it on the download page.Ãƒâ€šÃ‚Â Last night is the LAST NIGHT I can put up with the carriers close to my operating frequency.Ãƒâ€šÃ‚Â I can't use the AN (auto notch) because it causes Pops and Clicks on the line output and without it I get the Squeals and Tones.Ãƒâ€šÃ‚Â Increasing the threshold didn't help at all.
> > >
> > > So if there isn't an upgrade or quick fix, than I'll have to go back to 2.039d until a fix is found.
> > >
> > > Someone please let me know if 3.030 (or whatever it's called) is available for downloading.Ãƒâ€šÃ‚Â Thanks in advance.

> > >
> > > 73,
> > > Sam
> > > K3SAM
> > >
> > >
> > >
> > > _____
> > > From: Wes Attaway (N5WA) <wesattaway@>
> > > To: orion565@yahoogroups.com
> > > Sent: Friday, March 2, 2012 11:50 PM
> > > Subject: RE: [orion565] Status of V. 3.xx Firmware/Downloads
> > >
> > >
> > > Ãƒâ€šÃ‚Â
> > > I am using the latest version, v3.03, and it works great as far as I am
> > > concerned. I don't think you would lose anything by making the upgrade, and
> > > your RX performance would be better than where you are right now.
> > >
> > > ----------------- Wes Attaway (N5WA) -------------------
> > > 1138 Waters Edge Circle, Shreveport, LA 71106
> > > 318-797-4972 (Office) - 318-393-3289 (Cell)
> > > Computer Consulting and Forensics
> > > -------------- EnCase Certified Examiner ---------------
> > >
> > > _____
> > >
> > > From: orion565@yahoogroups.com [mailto: orion565@yahoogroups.com] On Behalf
> > > Of Jim Koshmider
> > > Sent: Friday, March 02, 2012 9:35 PM
> > > To: orion565@yahoogroups.com
> > > Subject: [orion565] Status of V. 3.xx Firmware/Downloads
> > >
> > > Would someone please advise me as to which of the V. 3.xx versions of
> > > firmware seems to work the best for a 565, modified for V. 2.xx firmware {
> > > i.e. - pcb trace(s) cut }...? Thanks.
> > >
> > > 73,
> > >
> > > Jim, K8OZ
> > >
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7967. Re: [orion565] Comparison of V3 to V2 Audio Quality

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-06 08:03:46 UTC
From: Sam W Jacobs CET
Topic: 7953 Message: 7967

I'm going to post an audio clip I made earlier, but keep in mind this one is mild compared to what I normally hear.
This will give you an idea of what v3.028 is doing Barry, the software team and all others (at the LINE OUT jack in the back).

73,
Sam
K3SAM

From: Barry N1EU <barry.n1eu@...>
To: orion565@yahoogroups.com
Sent: Sunday, March 4, 2012 6:41 PM
Subject: Re: [orion565] Comparison of V3 to V2 Audio Quality

Using an Orion, not an Orion II, but I find the v3 ssb rx audio exceptional (and trust me, I'm VERY picky). Never use NR however, and never will.

Until someone posts a recording of the inferior rx audio some are reporting, we're all just blind men on the elephant trying to respond.

Barry N1EU

On Sun, Mar 4, 2012 at 11:15 PM, Larry Menzel <retire@means.net> wrote:

> Interesting, Mike,
>
> I live in a pretty low noise environment here, so I rarely use NB or NR. I
> find the new SAF feature too good to give up, regardless, plus, I have the
> RX366 installed, so v3 is the only option I have. I find that the latest
> version 3.028 works very well, with both receivers. I think the SSB audio
> is excellent, especially if one adds a little tweak to the audio rx eq.
>
> I have had no reason to reset mine, at all...so we'll see. The RX366 makes
> the second receiver simply exceptional. I was listening around to some
> pileups today, and the clarity and excellent receive characteristics we
> only enjoyed with our main receiver is now the same on the new '366.
> Couldn't be more pleased.
>
> I listened around in the SSB contest alot this weekend, and looked for
> interference situations. I was very pleased with the discrimination,
> especially on SSB, that the radio now has with the new firmware. I think
> it's pretty darn good. I have some issues with 3.xx firmware on my
> original Orion, and I'm going to have to talk with Paul Clinton or John
> Henry about that this week. See the other thread on SSB output.
>
> The O2 is a great radio! Enjoy.

>
> Larry, W0PR
>
> On Sun, Mar 4, 2012 at 4:53 PM, <orion565-owner@yahoogroups.com> wrote:
>
> > **
> >
> >
> > Hello O2 Fans:
> >
> > After a rather long conversation with KL7HRN, who like myself has had the
> > O2 since it was first introduced, I found that Ed and I shared some
> > identical thoughts regarding the comparison of the new and older
> firmware.
> >
> > Ed had already switched back to V 2.044a after many hours with V 3.038.
> He
> > felt that the audio quality with the V2 firmware was quite superior to
> the
> > new V3. He generally does not need to use NR because of his location, and
> > felt that the clarity of the newer firmware, does not equal the earlier
> > releases.
> >
> > I also must admit that a must agree with this, particularly if the NR is
> > engaged. It is really hard to say what is happening here. Weaker signals
> > probably do not produce a poorer audio quality, but the radio is
> generally
> > noisier and the NR does not seem to work as well with the receiver noise
> > floor. The stronger the signal being received, the more evident the
> quality
> > difference seems to be. Whether this is also due to other nearby strong
> > signals when the band is wide open, is also hard to say.
> >
> > The Hardware noise blanker in the new firmware seems to be very effective
> > in reducing electrical hash, but the resulting distortion from nearby
> > strong signals makes its utilization difficult. Too many pops, clicks,
> and
> > general trash are produced when strong signals are present.
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> > Although I have a 5 element mono band yogi on 20m, and perhaps overload
> > might be a problem, I have tried all levels of RF gain, and find nothing
> > which will solve the distortion and clarity problems.
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> > During my 20 hours or so of testing, I also encountered two glitches. One
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> sub
> > receiver. Rebooting the radio solved this problem. The second major
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> > was found after changing bands, neither the hardware NB or the NR would
> > work, and rebooting the radio did not solve the problem. A master reset

> did
> > solve the issue.
> >
> > I have loaded V 2.044a today, and I am again extremely satisfied with my
> > received audio quality. There were a few other changes which I had to
> > reset, such as the need to change both TX and RX equalization, and
> > microphone gain settings.
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> > In all the years I ran V 2.039d, I never had even one glitch in the
> radio,
> > not one. I did not expect to find these issues in the latest release. I
> > will use Ed's suggestion and explore V 2.044a until something else
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> > available.
> >
> > 73 and Happy DXing,
> >
> > Mike
> > W2AJI
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7968. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-06 08:07:37 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 7968

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Clicks_n_Pops-OrionII-3028Software-05Mar12.mp3
Uploaded by : k3sam <Sam@...>
Description : Clicks and Pops LINE OUT distortion w/ V3.028

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/Clicks_n_Pops-OrionII-3028Software-05Mar12.mp
3

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

k3sam <Sam@...>

7969. Re: [orion565] Comparison of V3 to V2 Audio Quality

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-06 10:42:51 UTC
From: Barry N1EU
Topic: 7953 Message: 7969

Sam, please do not engage AN or NR for the recordings. Or is that the only difference you are talking about?

Barry N1EU

On Tue, Mar 6, 2012 at 8:03 AM, Sam W Jacobs CET <Sam@...> wrote:

> **
>
>
> I'm going to post an audio clip I made earlier, but keep in mind this one
> is mild compared to what I normally hear.
> This will give you an idea of what v3.028 is doing Barry, the software
> team and all others (at the LINE OUT jack in the back).
>
> 73,
> Sam
> K3SAM
>
> _____
> From: Barry N1EU <barry.n1eu@...>
> To: orion565@yahoogroups.com
> Sent: Sunday, March 4, 2012 6:41 PM
>
> Subject: Re: [orion565] Comparison of V3 to V2 Audio Quality
>
>
>
> Using an Orion, not an Orion II, but I find the v3 ssb rx audio exceptional
> (and trust me, I'm VERY picky). Never use NR however, and never will.
>
> Until someone posts a recording of the inferior rx audio some are
> reporting, we're all just blind men on the elephant trying to respond.
>
> Barry N1EU
>
> On Sun, Mar 4, 2012 at 11:15 PM, Larry Menzel <retire@...> wrote:
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> > Interesting, Mike,
> >
> > I live in a pretty low noise environment here, so I rarely use NB or NR.
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> > find the new SAF feature too good to give up, regardless, plus, I have
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> > RX366 installed, so v3 is the only option I have. I find that the latest
> > version 3.028 works very well, with both receivers. I think the SSB audio

> > is excellent, especially if one adds a little tweak to the audio rx eq.
> >
> > I have had no reason to reset mine, at all...so we'll see. The RX366
> makes
> > the second receiver simply exceptional. I was listening around to some
> > pileups today, and the clarity and excellent receive characteristics we
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> > especially on SSB, that the radio now has with the new firmware. I think
> > it's pretty darn good. I have some issues with 3.xx firmware on my
> > original Orion, and I'm going to have to talk with Paul Clinton or John
> > Henry about that this week. See the other thread on SSB output.
> >
> > The O2 is a great radio! Enjoy.
> >
> > Larry, W0PR
> >
> > On Sun, Mar 4, 2012 at 4:53 PM, <orion565-owner@yahoogroups.com> wrote:
> >
> > > **
> > >
> > >
> > > Hello O2 Fans:
> > >
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> > > I also must admit that a must agree with this, particularly if the NR
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> > > I have loaded V 2.044a today, and I am again extremely satisfied with
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> > > reset, such as the need to change both TX and RX equalization, and
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> > > In all the years I ran V 2.039d, I never had even one glitch in the
> > radio,
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7970. Re: [orion565] Comparison of V3 to V2 Audio Quality

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-06 12:51:28 UTC
From: Sam W Jacobs CET
Topic: 7953 Message: 7970

I don't understand the question Barry.

I record.

I use AN to get rid of the tuner-upper squeal.

By using AN I get Pops and Clicks in my recordings.

By NOT using AN I get Squeals in my recordings.

USING 2.039d I can use AN and have NO Pops and Clicks or Squeals. WORKS PERFECT !

USING 3.028 I CAN'T use AN, I get Pops and Clicks if I do - Squeals if I don't. FAILS

Solution: Go back to 2.039d until a fix is found (today). I haven't yet as I thought maybe T*T might want me to do a test or two. I don't know if they are even on this bug fix but I hope so.

Again, this is on the LINE OUT jack on the back, not on the front audio. The line-out on the back is a constant volume and suitable for use with recording (when it works).

I hope this helps. The audio post I made was a duplication of the BUG associated with 3.028 with the AN on = distortion w/ Pops and Clicks.

73,
Sam
K3SAM

From: Barry N1EU <barry.n1eu@...>
To: orion565@yahoogroups.com
Sent: Tuesday, March 6, 2012 5:42 AM
Subject: Re: [orion565] Comparison of V3 to V2 Audio Quality

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> > > 73 and Happy DXing,
> > >
> > > Mike
> > > W2AJI
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7971. Letter "A" in a blue box next to VFO A TR indicators?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-06 15:50:25 UTC
From: Skip
Topic: 7971 Message: 7971

I know this is a dumb question, but I can'r figure our what this is designating. It is not addressed in the manual. Can someone please explain?

7972. RE: [orion565] Letter "A" in a blue box next to VFO A TR indicators?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-06 15:53:52 UTC
From: Duane Calvin
Topic: 7971 Message: 7972

Bandstacking register designation - will go A thru D for each band.

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Skip
Sent: Tuesday, March 06, 2012 9:50 AM
To: orion565@yahoogroups.com
Subject: [orion565] Letter "A" in a blue box next to VFO A TR indicators?

I know this is a dumb question, but I can'r figure our what this is designating. It is not addressed in the manual. Can someone please explain?

Yahoo! Groups Links

7973. Re: [orion565] Letter "A" in a blue box next to VFO A TR indicators?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-06 15:56:32 UTC
From: Sam W Jacobs CET
Topic: 7971 Message: 7973

Each band has 4 registers, A-B-C-D. Try it. Press the 80 (mtr) button 4 times and it (blue box) will go from A to D. You can put in a different frequency for each letter (or register). This applies to every band, 160 through 10.

Now press the 20 (mtr) button 4 times, A-B-C-D will appear in the "blue box". Try it.

73,
Sam
K3SAM

From: Skip <ebhudgens@...>
To: orion565@yahoogroups.com
Sent: Tuesday, March 6, 2012 10:50 AM
Subject: [orion565] Letter "A" in a blue box next to VFO A TR indicators?

I know this is a dumb question, but I can'r figure our what this is designating. It is not addressed in the manual. Can someone please explain?

[Non-text portions of this message have been removed]

7974. Re: Letter "A" in a blue box next to VFO A TR indicators?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-06 16:22:42 UTC
From: Skip
Topic: 7971 Message: 7974

Thanks guys. I wish the manual had mentioned this. I also just found an excellend description of this in a 4.24.11 email in this group. The little gray cells now understand. This is something that I will use.

I have only had the O2 since last August and am still finding out new functions. This is one great rig.

WB4RHQ

--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> Each band has 4 registers, A-B-C-D.Â Try it.Â Press the 80 (mtr) button 4 times and it (blue box) will go from A to D.Â You can put in a different frequency for each letter (or register).Â This applies to every band, 160 through 10.
>
> Now press the 20 (mtr) button 4 times, A-B-C-D will appear in the "blue box".Â Try it.
>
> 73,
> Sam
> K3SAM
>
>
>
> _____
> From: Skip <ebhudgens@...>
> To: orion565@yahoogroups.com
> Sent: Tuesday, March 6, 2012 10:50 AM
> Subject: [orion565] Letter "A" in a blue box next to VFO A TR indicators?
>
>
> Â
> I know this is a dumb question, but I can'r figure our what this is designating. It is not addressed in the manual. Can someone please explain?
>
>
>
>
> [Non-text portions of this message have been removed]
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7975. Re: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-06 17:12:29 UTC
From: Sam W Jacobs CET
Topic: 7918 Message: 7975

I'm back to 2.039d and right off the bat I notice a BIG difference.
To make a true comparison, you almost have to have Two O2's, side by side, however the audio using 2.039d is so much smoother and the Auto Notch filter is back working just fine.

I think I'll stay here, unless T*T asks me to test the AN feature with a newer release. I just hope that when they do release another version, they test for the pop's and clicks at the LINE OUT jack on the back using the AN feature.

I'm happy again although I was getting use to the SAF, damnit (lol).

73,
Sam
K3SAM

From: "k3xr@..." <k3xr@...>
To: orion565@yahoogroups.com
Sent: Monday, March 5, 2012 8:03 AM
Subject: Re: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

That was my post in response to Sam's, sorry should have signed it at the end. If you look at the message on the reflector you will see I sent it. Then extra characters....have no idea. Thanks, DAN, K3XR

----- Original Message -----
From: "floydsense" <floyd@...>
To: orion565@yahoogroups.com
Sent: Monday, March 5, 2012 7:25:23 AM
Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Here's the first part of your post, Sam:

> SpentÃ‚Â many hours listening to the receiver on the O2 after downloading the latest V3. .Ã‚Â Find all versions of V3. have a negative impact on the quality of the received SSBÃ‚Â audio when the NR circuit is engaged, even on the lowest setting.Ã‚Â >

A bit hard to reread due to the extraneous characters. I promise not to comment on your posts in the future.

73, K8AC

--- In orion565@yahoogroups.com , Sam W Jacobs CET <Sam@...> wrote:
>
> Floyd, I'm not talking about the NR feature, reread the thread.Â It's the AN (auto

notch) feature and the pops and clicks are only on the LINE OUT in the back.
>
> Although the NR still makes people sound like they are underwater.
>
>
> 73,
> Sam
> K3SAM
>
>
> _____
> From: floydsense <floyd@...>
> To: orion565@yahoogroups.com
> Sent: Sunday, March 4, 2012 1:31 PM
> Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued
>
>
> Â
>
>
> Sam - also have an O2 here with the latest V3 installed. I rarely use the NR function, but after reading your post I tuned around on 20 SSB listening for very weak stations to try it with. Most of the time, the NR improved the copy a bit and it sounds about the same to me as it did with the 2.044 release.
>
> 73, Floyd
>
> --- In orion565@yahoogroups.com , k3xr@ wrote:
> >
> > SpentÃ,Â many hours listening to the receiver on the O2 after downloading the latest V3. .Ã,Â Find all versions of V3. have a negative impact on the quality of the received SSBÃ,Â audio when the NR circuit is engaged, even on the lowest setting.Ã,Â Read the comment in these postings of the audio sounding "underwater" that would seem to be, for lack of a better description, a good assessment.Ã,Â Also noticed a receiver that seems to exhibit much more noise, which to some degree, has been resolved by doing a master reset.Ã,Â While it is true that adjustment of AGC in the areas of hang, delay, threshold can improve the NRÃ,Â audio problem, it's not a cure. Returned to V2.044A which exhibits a much better NR function on SSB.Ã,Â Have these modern receivers become so complex that their advancedÃ,Â performance has been negated by the reduction in user friendliness?Ã,Â Simply should not be spending huge
amounts of time trying toÃ,Â achieve the desired
> results.
> > ----- Original Message -----
> > From: "Sam W Jacobs CET" <Sam@>
> > To: orion565@yahoogroups.com , "Ten Tec Customer Ideas" <ditsnbits@>
> > Sent: Sunday, March 4, 2012 2:10:19 AM
> > Subject: Re: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued
> >
> > Ã,Â

> >
> >
> >
> >
> > Thanks Gene,
> >
> > I guess I'll just have to go back to the 2.039d version until the T*T comes up with a fix as it's no good to me the way it is now.Ã,Â Version 3.028 makes my $5,000 radio sound like a $5 toy, and we all know that's not the case.Ã,Â As a former software writer / author, I know that by changing one variable in the code can cause all kinds of havoc in the code further down the line.Ã,Â My guess is that's what is happening here.Ã,Â In fixing or adding one feature, another one has been compromised.Ã,Â
> >
> > NOTE to the software engineers:Ã,Â Any new version you want me to try out, beta or otherwise, send a link to my email address.
> >
> > 73,
> > Sam
> > K3SAM
> >
> > _____
> > From: storygene < k7txo@ >
> > To: orion565@yahoogroups.com
> > Sent: Sunday, March 4, 2012 1:31 AM
> > Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued
> >
> >
> > Ã,Â
> > Sam -
> >
> > 3.030 is the version & revision for 565 Orion you see in Downloads on the TEN-TEC site.
> >
> > 3.028 is the version & revision level for 566 Orion II you see in Downloads on the TEN-TEC site.
> >
> > There were additional changes specific to the Orion that stepped it by two revision levels over the Orion II.
> >
> > The changes are documented very well in the revision history notes that are also posted in the TEN-TEC downloads.
> >
> > I hope this helps with the version/revision state. I can't speak to your 566 Orion II's AN issue.
> >
> > Regards,
> >
> > Gene
> >
> > --- In orion565@yahoogroups.com , Sam W Jacobs CET <Sam@> wrote:

> > >
> > > So are you saying there is an upgrade from 3.028 for my O2 ?Ãƒâ€šÃ‚Â If so, I don't see it on the download page.Ãƒâ€šÃ‚Â Last night is the LAST NIGHT I can put up with the carriers close to my operating frequency.Ãƒâ€šÃ‚Â I can't use the AN (auto notch) because it causes Pops and Clicks on the line output and without it I get the Squeals and Tones.Ãƒâ€šÃ‚Â Increasing the threshold didn't help at all.
> > >
> > > So if there isn't an upgrade or quick fix, than I'll have to go back to 2.039d until a fix is found.
> > >
> > > Someone please let me know if 3.030 (or whatever it's called) is available for downloading.Ãƒâ€šÃ‚Â Thanks in advance.
> > >
> > > 73,
> > > Sam
> > > K3SAM
> > >
> > >
> > >
> > > _____
> > > From: Wes Attaway (N5WA) <wesattaway@>
> > > To: orion565@yahoogroups.com
> > > Sent: Friday, March 2, 2012 11:50 PM
> > > Subject: RE: [orion565] Status of V. 3.xx Firmware/Downloads
> > >
> > >
> > > Ãƒâ€šÃ‚Â
> > > I am using the latest version, v3.03, and it works great as far as I am
> > > concerned. I don't think you would lose anything by making the upgrade, and
> > > your RX performance would be better than where you are right now.
> > >
> > > ----------------- Wes Attaway (N5WA) -------------------
> > > 1138 Waters Edge Circle, Shreveport, LA 71106
> > > 318-797-4972 (Office) - 318-393-3289 (Cell)
> > > Computer Consulting and Forensics
> > > -------------- EnCase Certified Examiner ---------------
> > >
> > > _____
> > >
> > > From: orion565@yahoogroups.com [mailto: orion565@yahoogroups.com] On Behalf
> > > Of Jim Koshmider
> > > Sent: Friday, March 02, 2012 9:35 PM
> > > To: orion565@yahoogroups.com
> > > Subject: [orion565] Status of V. 3.xx Firmware/Downloads
> > >
> > > Would someone please advise me as to which of the V. 3.xx versions of
> > > firmware seems to work the best for a 565, modified for V. 2.xx firmware {
> > > i.e. - pcb trace(s) cut }...? Thanks.
> > >
> > > 73,

> > >
> > > Jim, K8OZ
> > >
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7976. Re: Comparison of V3 to V2 Audio Quality

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-06 23:41:37 UTC
From: w1nt
Topic: 7953 Message: 7976

Does NR even do anything other than distort rx audio? This questions assumes volume and RF gain are adjusted to eliminate band noise....if that is done does the NR even add any value?

Brad

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Using an Orion, not an Orion II, but I find the v3 ssb rx audio exceptional
> (and trust me, I'm VERY picky). Never use NR however, and never will.
>
> Until someone posts a recording of the inferior rx audio some are
> reporting, we're all just blind men on the elephant trying to respond.
>
> Barry N1EU
>
> On Sun, Mar 4, 2012 at 11:15 PM, Larry Menzel <retire@...> wrote:
>
> > Interesting, Mike,
> >
> > I live in a pretty low noise environment here, so I rarely use NB or NR. I
> > find the new SAF feature too good to give up, regardless, plus, I have the
> > RX366 installed, so v3 is the only option I have. I find that the latest
> > version 3.028 works very well, with both receivers. I think the SSB audio
> > is excellent, especially if one adds a little tweak to the audio rx eq.
> >
> > I have had no reason to reset mine, at all...so we'll see. The RX366 makes
> > the second receiver simply exceptional. I was listening around to some
> > pileups today, and the clarity and excellent receive characteristics we
> > only enjoyed with our main receiver is now the same on the new '366.
> > Couldn't be more pleased.
> >
> > I listened around in the SSB contest alot this weekend, and looked for
> > interference situations. I was very pleased with the discrimination,
> > especially on SSB, that the radio now has with the new firmware. I think
> > it's pretty darn good. I have some issues with 3.xx firmware on my
> > original Orion, and I'm going to have to talk with Paul Clinton or John
> > Henry about that this week. See the other thread on SSB output.
> >
> > The O2 is a great radio! Enjoy.
> >
> > Larry, W0PR
> >
> > On Sun, Mar 4, 2012 at 4:53 PM, <orion565-owner@yahoogroups.com> wrote:
> >

> > > **
> > >
> > >
> > > Hello O2 Fans:
> > >
> > > After a rather long conversation with KL7HRN, who like myself has had the
> > > O2 since it was first introduced, I found that Ed and I shared some
> > > identical thoughts regarding the comparison of the new and older
> > firmware.
> > >
> > > Ed had already switched back to V 2.044a after many hours with V 3.038.
> > He
> > > felt that the audio quality with the V2 firmware was quite superior to
> > the
> > > new V3. He generally does not need to use NR because of his location, and
> > > felt that the clarity of the newer firmware, does not equal the earlier
> > > releases.
> > >
> > > I also must admit that a must agree with this, particularly if the NR is
> > > engaged. It is really hard to say what is happening here. Weaker signals
> > > probably do not produce a poorer audio quality, but the radio is
> > generally
> > > noisier and the NR does not seem to work as well with the receiver noise
> > > floor. The stronger the signal being received, the more evident the
> > quality
> > > difference seems to be. Whether this is also due to other nearby strong
> > > signals when the band is wide open, is also hard to say.
> > >
> > > The Hardware noise blanker in the new firmware seems to be very effective
> > > in reducing electrical hash, but the resulting distortion from nearby
> > > strong signals makes its utilization difficult. Too many pops, clicks,
> > and
> > > general trash are produced when strong signals are present.
> > >
> > > Although I have a 5 element mono band yogi on 20m, and perhaps overload
> > > might be a problem, I have tried all levels of RF gain, and find nothing
> > > which will solve the distortion and clarity problems.
> > >
> > > During my 20 hours or so of testing, I also encountered two glitches. One
> > > problem was found when trying to change step size on both the main and
> > sub
> > > receiver. Rebooting the radio solved this problem. The second major
> > glitch
> > > was found after changing bands, neither the hardware NB or the NR would
> > > work, and rebooting the radio did not solve the problem. A master reset
> > did
> > > solve the issue.
> > >
> > > I have loaded V 2.044a today, and I am again extremely satisfied with my
> > > received audio quality. There were a few other changes which I had to

> > > reset, such as the need to change both TX and RX equalization, and
> > > microphone gain settings.
> > >
> > > In all the years I ran V 2.039d, I never had even one glitch in the
> > radio,
> > > not one. I did not expect to find these issues in the latest release. I
> > > will use Ed's suggestion and explore V 2.044a until something else
> > becomes
> > > available.
> > >
> > > 73 and Happy DXing,
> > >
> > > Mike
> > > W2AJI
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7977. Re: [orion565] Re: Comparison of V3 to V2 Audio Quality

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-07 06:38:28 UTC
From: Sam W Jacobs CET
Topic: 7953 Message: 7977

IMO, that is a very good question Brad. The science of "noise reduction" is hit 'n miss. Even the "Clear Speech" types of speakers haven't perfected a reliable NR, everyone sounds underwater.

I did note that T*T's attempt at improving the NR feature in version 3.028 seemed to have worked somewhat, however no where near usable for me. Any improvement that was gained in the NR circuit clearly had a negative effect on the AN circuit.

- Sam

From: w1nt <bradld@alum.wpi.edu>
To: orion565@yahoogroups.com
Sent: Tuesday, March 6, 2012 6:41 PM
Subject: [orion565] Re: Comparison of V3 to V2 Audio Quality

Does NR even do anything other than distort rx audio? This questions assumes volume and RF gain are adjusted to eliminate band noise....if that is done does the NR even add any value?

Brad

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
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> Until someone posts a recording of the inferior rx audio some are
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> Barry N1EU
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> On Sun, Mar 4, 2012 at 11:15 PM, Larry Menzel <retire@...> wrote:
>
> > Interesting, Mike,
> >
> > I live in a pretty low noise environment here, so I rarely use NB or NR. I
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> > RX366 installed, so v3 is the only option I have. I find that the latest
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> > is excellent, especially if one adds a little tweak to the audio rx eq.
> >
> > I have had no reason to reset mine, at all...so we'll see. The RX366 makes
> > the second receiver simply exceptional. I was listening around to some
> > pileups today, and the clarity and excellent receive characteristics we
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> >
> > I listened around in the SSB contest alot this weekend, and looked for
> > interference situations. I was very pleased with the discrimination,
> > especially on SSB, that the radio now has with the new firmware. I think
> > it's pretty darn good. I have some issues with 3.xx firmware on my
> > original Orion, and I'm going to have to talk with Paul Clinton or John
> > Henry about that this week. See the other thread on SSB output.
> >
> > The O2 is a great radio! Enjoy.
> >
> > Larry, W0PR
> >
> > On Sun, Mar 4, 2012 at 4:53 PM, <orion565-owner@yahoogroups.com> wrote:
> >
> > > **
> > >
> > >
> > > Hello O2 Fans:
> > >
> > > After a rather long conversation with KL7HRN, who like myself has had the
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> > > Ed had already switched back to V 2.044a after many hours with V 3.038.
> > He
> > > felt that the audio quality with the V2 firmware was quite superior to
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> > > new V3. He generally does not need to use NR because of his location, and
> > > felt that the clarity of the newer firmware, does not equal the earlier
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> > >
> > > I also must admit that a must agree with this, particularly if the NR is
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> > > noisier and the NR does not seem to work as well with the receiver noise
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> > > difference seems to be. Whether this is also due to other nearby strong
> > > signals when the band is wide open, is also hard to say.
> > >
> > > The Hardware noise blanker in the new firmware seems to be very effective
> > > in reducing electrical hash, but the resulting distortion from nearby
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> > > general trash are produced when strong signals are present.
> > >
> > > Although I have a 5 element mono band yogi on 20m, and perhaps overload

> > > might be a problem, I have tried all levels of RF gain, and find nothing
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> > >
> > > During my 20 hours or so of testing, I also encountered two glitches. One
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> > > receiver. Rebooting the radio solved this problem. The second major
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> > >
> > > Mike
> > > W2AJI
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7978. Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-07 08:08:16 UTC
From: billw5ao
Topic: 7918 Message: 7978

On my O2, the NR is constantly in use. There is NO degradation in audio until turned up almost all the way with 3.038.

Check out these youtube videos search for 3cx800 channel. The NB video uses both the NB and NR. There was no degradation going to 3.038.

Bill

--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> I'm back to 2.039d and right off the bat I notice a BIG difference.
> To make a true comparison, you almost have to have Two O2's, side by side, however the audio using 2.039d is so much smoother and the Auto Notch filter is back working just fine.
>
> I think I'll stay here, unless T*T asks me to test the AN feature with a newer release.Â I just hope that when they do release another version, they test for the pop's and clicks at the LINE OUT jack on the back using the AN feature.
>
> I'm happy again although I was getting use to the SAF, damnit (lol).
>
> 73,
> Sam
> K3SAM
>
>

7979. Re: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-07 12:47:24 UTC
From: Sam W Jacobs CET
Topic: 7918 Message: 7979

Thanks Bill however I don't know how busy you are through-out the day, but I only have so much free time. Could you provide a direct YouTube link to follow and I'll gladly look at the video. Otherwise I don't have time to search for it.

73,
Sam

From: billw5ao <w5ao@...>
To: orion565@yahoogroups.com
Sent: Wednesday, March 7, 2012 3:08 AM
Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

On my O2, the NR is constantly in use. There is NO degradation in audio until turned up almost all the way with 3.038.

Check out these youtube videos search for 3cx800 channel. The NB video uses both the NB and NR. There was no degradation going to 3.038.

Bill

--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> I'm back to 2.039d and right off the bat I notice a BIG difference.
> To make a true comparison, you almost have to have Two O2's, side by side, however the audio using 2.039d is so much smoother and the Auto Notch filter is back working just fine.
>
> I think I'll stay here, unless T*T asks me to test the AN feature with a newer release.Â I just hope that when they do release another version, they test for the pop's and clicks at the LINE OUT jack on the back using the AN feature.
>
> I'm happy again although I was getting use to the SAF, damnit (lol).
>
> 73,
> Sam
> K3SAM
>
>

[Non-text portions of this message have been removed]

7980. Re: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-07 13:05:54 UTC
From: Barry N1EU
Topic: 7918 Message: 7980

Here you go Sam:

http://www.youtube.com/watch?v=RpF8L244jto&context=C3f2f98dADOEgsToPDskKSGGX6LAKY5PYCk1lfE0GV

It must have taken me at least 10 seconds to find it.

73, Barry N1EU

On Wed, Mar 7, 2012 at 12:47 PM, Sam W Jacobs CET <Sam@...> wrote:

> **
>
>
> Thanks Bill however I don't know how busy you are through-out the day, but
> I only have so much free time. Could you provide a direct YouTube link to
> follow and I'll gladly look at the video. Otherwise I don't have time to
> search for it.
>
> 73,
> Sam
>
> _____
> From: billw5ao <w5ao@...>
> To: orion565@yahoogroups.com
> Sent: Wednesday, March 7, 2012 3:08 AM
>
> Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio
> Output Problems Continued
>
>
>
> On my O2, the NR is constantly in use. There is NO degradation in audio
> until turned up almost all the way with 3.038.
>
> Check out these youtube videos search for 3cx800 channel. The NB video
> uses both the NB and NR. There was no degradation going to 3.038.
>
> Bill
>
> --- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
> >
> > I'm back to 2.039d and right off the bat I notice a BIG difference.
> > To make a true comparison, you almost have to have Two O2's, side by
> side, however the audio using 2.039d is so much smoother and the Auto Notch

> filter is back working just fine.
> >
> > I think I'll stay here, unless T*T asks me to test the AN feature with a
> newer release.Â I just hope that when they do release another version,
> they test for the pop's and clicks at the LINE OUT jack on the back using
> the AN feature.
> >
> > I'm happy again although I was getting use to the SAF, damnit (lol).
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> > 73,
> > Sam
> > K3SAM
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

7981. Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-07 13:53:01 UTC
From: eric_rosenberg
Topic: 7918 Message: 7981

The video Barry refers to reflects how it worked and sounded at my 80 year old house in a crumbling infrastructure urban environment. Quite good, and my radio is an older 565.

Eric W3DQ
Washington, DC

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Here you go Sam:
>
> http://www.youtube.com/watch?v=RpF8L244jto&context=C3f2f98dADOEgsToPDskKSGGX6LAKY5PYCk1lfE0GV
>
> It must have taken me at least 10 seconds to find it.
>
> 73, Barry N1EU

7982. OII v 3.028 RF Gain encoder rate nuiscance bug?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-08 01:44:05 UTC
From: w1nt
Topic: 7982 Message: 7982

Is it me or does the encoder change the rate of the SUB RX RF gain at a rate twice as fast as the MAIN RX? I am experiencing 1/2 knob rotation for 0-100 on SUB vs. 1 knob rotation on MAIN.

Brad

7983. OII Speaker audio leak

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-08 01:46:10 UTC
From: w1nt
Topic: 7983 Message: 7983

Noticed for the first time today that the internal speaker leaks a small amount of audio even with phones plugged in. Is this normal and is the only way to fix this to unplug the speaker connector under the top cover (or install a switch)?

Thanks,

Brad

7984. Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-08 02:28:10 UTC
From: w1nt
Topic: 7918 Message: 7984

Strange, on a fairly decent signal I get almost instantaneous ill effect the second NR is turned on. Yes, noise goes way down, but signal also tends to get warped or warbled sometimes to the point that it's not even worth it. I surmise noise type plays a big role as to how effective the NB/NR really works.

Brad

--- In orion565@yahoogroups.com, "billw5ao" <w5ao@...> wrote:
>
> On my O2, the NR is constantly in use. There is NO degradation in audio until turned up almost all the way with 3.038.
>
> Check out these youtube videos search for 3cx800 channel. The NB video uses both the NB and NR. There was no degradation going to 3.038.
>
> Bill
>
> --- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@> wrote:
> >
> > I'm back to 2.039d and right off the bat I notice a BIG difference.
> > To make a true comparison, you almost have to have Two O2's, side by side, however the audio using 2.039d is so much smoother and the Auto Notch filter is back working just fine.
> >
> > I think I'll stay here, unless T*T asks me to test the AN feature with a newer release.Â I just hope that when they do release another version, they test for the pop's and clicks at the LINE OUT jack on the back using the AN feature.
> >
> > I'm happy again although I was getting use to the SAF, damnit (lol).
> >
> > 73,
> > Sam
> > K3SAM
> >
> >
>

7985. Re: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-08 13:01:36 UTC
From: Sam W Jacobs CET
Topic: 7918 Message: 7985

I agree Brad, mine does the same thing however I didn't want to bring it up and start a big fight as I might have to ask to have another 10 second link posted for me, dah !

73,
Sam

From: w1nt <bradld@...>
To: orion565@yahoogroups.com
Sent: Wednesday, March 7, 2012 9:28 PM
Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Strange, on a fairly decent signal I get almost instantaneous ill effect the second NR is turned on. Yes, noise goes way down, but signal also tends to get warped or warbled sometimes to the point that it's not even worth it. I surmise noise type plays a big role as to how effective the NB/NR really works.

Brad

--- In orion565@yahoogroups.com, "billw5ao" <w5ao@...> wrote:
>
> On my O2, the NR is constantly in use. There is NO degradation in audio until turned up almost all the way with 3.038.
>
> Check out these youtube videos search for 3cx800 channel. The NB video uses both the NB and NR. There was no degradation going to 3.038.
>
> Bill
>
> --- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@> wrote:
> >
> > I'm back to 2.039d and right off the bat I notice a BIG difference.
> > To make a true comparison, you almost have to have Two O2's, side by side, however the audio using 2.039d is so much smoother and the Auto Notch filter is back working just fine.
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> > I think I'll stay here, unless T*T asks me to test the AN feature with a newer release.Â I just hope that when they do release another version, they test for the pop's and clicks at the LINE OUT jack on the back using the AN feature.
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> > I'm happy again although I was getting use to the SAF, damnit (lol).
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> > 73,
> > Sam
> > K3SAM

> >
> >
>

[Non-text portions of this message have been removed]

7986. Re: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-08 13:11:41 UTC
From: k3xr@comcast.net
Topic: 7918 Message: 7986

Same as Brad and Sam....there is no question, on my O2 the NR function degrades the SSB received audio regardless of setting of the NR and AGC. Back to 2.044A which is very good at reducing receiver noise. DAN, K3XR

----- Original Message -----
From: "Sam W Jacobs CET" <Sam@k3sam.com>
To: orion565@yahoogroups.com
Sent: Thursday, March 8, 2012 8:01:36 AM
Subject: Re: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

I agree Brad, mine does the same thing however I didn't want to bring it up and start a big fight as I might have to ask to have another 10 second link posted for me, dah !

73,
Sam

From: w1nt < bradld@... >
To: orion565@yahoogroups.com
Sent: Wednesday, March 7, 2012 9:28 PM
Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Strange, on a fairly decent signal I get almost instantaneous ill effect the second NR is turned on. Yes, noise goes way down, but signal also tends to get warped or warbled sometimes to the point that it's not even worth it. I surmise noise type plays a big role as to how effective the NB/NR really works.

Brad

--- In orion565@yahoogroups.com , "billw5ao" <w5ao@...> wrote:
>
> On my O2, the NR is constantly in use. There is NO degradation in audio until turned up almost all the way with 3.038.
>
> Check out these youtube videos search for 3cx800 channel. The NB video uses both the NB and NR. There was no degradation going to 3.038.
>
> Bill
>
> --- In orion565@yahoogroups.com , Sam W Jacobs CET <Sam@> wrote:
> >
> > I'm back to 2.039d and right off the bat I notice a BIG difference.
> > To make a true comparison, you almost have to have Two O2's, side by side, however the

audio using 2.039d is so much smoother and the Auto Notch filter is back working just fine.
> >
> > I think I'll stay here, unless T*T asks me to test the AN feature with a newer release.Â I just hope that when they do release another version, they test for the pop's and clicks at the LINE OUT jack on the back using the AN feature.
> >
> > I'm happy again although I was getting use to the SAF, damnit (lol).
> >
> > 73,
> > Sam
> > K3SAM
> >
> >
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7987. Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-08 17:26:34 UTC
From: pa1ap
Topic: 7918 Message: 7987

Hi Sam,

I agree noise reduction isn't working perfect and especially for ssb it tends to do more harm than good but I had the same experience with v2 code. The noise blanker works good on my side but it dependents on the type of static noise on the band. And if I forget to disable noise blanker during strong signals I hear distortion too.

Regards onno pa1ap
--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> I agree Brad, mine does the same thing however I didn't want to bring it up and start a big fight as I might have to ask to have another 10 second link posted for me, dahÂ !
>
> 73,
> Sam
>
>
>
> _____
> From: w1nt <bradld@...>
> To: orion565@yahoogroups.com
> Sent: Wednesday, March 7, 2012 9:28 PM
> Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued
>
>
> Â
> Strange, on a fairly decent signal I get almost instantaneous ill effect the second NR is turned on. Yes, noise goes way down, but signal also tends to get warped or warbled sometimes to the point that it's not even worth it. I surmise noise type plays a big role as to how effective the NB/NR really works.
>
> Brad
>
> --- In orion565@yahoogroups.com, "billw5ao" <w5ao@> wrote:
> >
> > On my O2, the NR is constantly in use. There is NO degradation in audio until turned up almost all the way with 3.038.
> >
> > Check out these youtube videos search for 3cx800 channel. The NB video uses both the NB and NR. There was no degradation going to 3.038.
> >
> > Bill
> >
> > --- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@> wrote:

> > >
> > > I'm back to 2.039d and right off the bat I notice a BIG difference.
> > > To make a true comparison, you almost have to have Two O2's, side by side, however the audio using 2.039d is so much smoother and the Auto Notch filter is back working just fine.
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> > > I'm happy again although I was getting use to the SAF, damnit (lol).
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> > > 73,
> > > Sam
> > > K3SAM
> > >
> > >
> >
>
>
>
> [Non-text portions of this message have been removed]
>

7988. Re: OII v 3.028 RF Gain encoder rate nuiscance bug?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-08 17:27:00 UTC
From: floydsense
Topic: 7982 Message: 7988

I tried it on my O2 and I see a similar thing here, but a worse ratio. I stuck a white tape pointer on the multi knob and tried the RF gain range on both main and sub. On main, it took just about 20 degrees less than 2 full turns to go from 1 to 100. For the sub, it was about 3/4 turn. There doesn't appear to be any menu option that would control the RF gain rate as there is for the VFO encoder rates.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "w1nt" <bradld@...> wrote:
>
> Is it me or does the encoder change the rate of the SUB RX RF gain at a rate twice as fast as the MAIN RX? I am experiencing 1/2 knob rotation for 0-100 on SUB vs. 1 knob rotation on MAIN.
>
> Brad
>

7989. Re: OII v 3.028 RF Gain encoder rate nuiscance bug?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-08 19:28:11 UTC
From: pa1ap
Topic: 7982 Message: 7989

Hi Floyd,

Good finding and thanks for sharing. I will take the info into the beta group and hopefully tt can include a fix for this into next release. Keep the findings coming!
I made a small adjustment in the serial port tester which shows the counts while turning knobs. This way you can recognize how many clicks with a certain angle.

Best regards, onno

--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
> I tried it on my O2 and I see a similar thing here, but a worse ratio. I stuck a white tape pointer on the multi knob and tried the RF gain range on both main and sub. On main, it took just about 20 degrees less than 2 full turns to go from 1 to 100. For the sub, it was about 3/4 turn. There doesn't appear to be any menu option that would control the RF gain rate as there is for the VFO encoder rates.
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> 73, Floyd - K8AC
>
> --- In orion565@yahoogroups.com, "w1nt" <bradld@> wrote:
> >
> > Is it me or does the encoder change the rate of the SUB RX RF gain at a rate twice as fast as the MAIN RX? I am experiencing 1/2 knob rotation for 0-100 on SUB vs. 1 knob rotation on MAIN.
> >
> > Brad
> >
>

7991. Re: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-08 20:24:21 UTC
From: Sam W Jacobs CET
Topic: 7918 Message: 7991

Hi Onno,

I agree. About the only button I use on the bottom is the AN, and that works well in V2.039d. With V3.028, none of the bottom controls did much as even the AN caused the Pops and Clicks in the LINE OUT circuit path. So, I'm back on 2.039d for now. (I do find that the Digital NB works on some "spike type" noise, like pulses from a engine with a bad spark plug.)

The Orion 2 is probably the nicest radio I've owned, and I've had many, but IMO it is only functioning at about 10% of what it can actually do. Being a SDR, the Orion 2 has so much potential and I hope that someday soon T*T will see this. People are buying the Flex Radio left and right and I believe T*T could capitalize on that market if they would put more time into software development.

73,
Sam
K3SAM

From: pa1ap <pa1ap@...t>
To: orion565@yahoogroups.com
Sent: Thursday, March 8, 2012 12:26 PM
Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued

Hi Sam,

I agree noise reduction isn't working perfect and especially for ssb it tends to do more harm than good but I had the same experience with v2 code. The noise blanker works good on my side but it dependents on the type of static noise on the band. And if I forget to disable noise blanker during strong signals I hear distortion too.

Regards onno pa1ap
--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> I agree Brad, mine does the same thing however I didn't want to bring it up and start a big fight as I might have to ask to have another 10 second link posted for me, dahÂ !
>
> 73,
> Sam
>
>
>
> ---
> From: w1nt <bradld@...>

> To: orion565@yahoogroups.com
> Sent: Wednesday, March 7, 2012 9:28 PM
> Subject: [orion565] Re: Status of V. 3.xx Firmware/Downloads // Audio Output Problems Continued
>
>
> Â
> Strange, on a fairly decent signal I get almost instantaneous ill effect the second NR is turned on. Yes, noise goes way down, but signal also tends to get warped or warbled sometimes to the point that it's not even worth it. I surmise noise type plays a big role as to how effective the NB/NR really works.
>
> Brad
>
> --- In orion565@yahoogroups.com, "billw5ao" <w5ao@> wrote:
> >
> > On my O2, the NR is constantly in use. There is NO degradation in audio until turned up almost all the way with 3.038.
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> > Check out these youtube videos search for 3cx800 channel. The NB video uses both the NB and NR. There was no degradation going to 3.038.
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> > Bill
> >
> > --- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@> wrote:
> > >
> > > I'm back to 2.039d and right off the bat I notice a BIG difference.
> > > To make a true comparison, you almost have to have Two O2's, side by side, however the audio using 2.039d is so much smoother and the Auto Notch filter is back working just fine.
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> > > I think I'll stay here, unless T*T asks me to test the AN feature with a newer release.Ã‚Â I just hope that when they do release another version, they test for the pop's and clicks at the LINE OUT jack on the back using the AN feature.
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> > > I'm happy again although I was getting use to the SAF, damnit (lol).
> > >
> > > 73,
> > > Sam
> > > K3SAM
> > >
> > >
> > >
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7992. VFO B loses signals Orion1

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-09 05:21:55 UTC
From: ko4xj
Topic: 7992 Message: 7992

My B VFO all of a sudden stopped hearing signals. There's noise but no signals. I can find a signal with VFO A but not with VFO B. This started here recently. Most times I have to do a MASTER RESET and I can start to hear signals but I lose them after a short period.

I read in a 2005 post of maybe some DSP issues?? Using ver 3.030

Will reload with a older version tomorrow and see what happens

Thanks
John
KO4XJ

7993. Re: VFO B loses signals Orion1

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-09 06:17:06 UTC
From: pa1ap
Topic: 7992 Message: 7993

Hi John,

Do you have an idea how to reproduce the problem? Also do you have any remote control program connected to orion which writes / reads the orion through serial communication? Just want to understand the environment in order to help. Also did the firmware upgrade go smooth on your unit or did you have to disable the stop on error within upgrade program? Best regards, onno

--- In orion565@yahoogroups.com, "ko4xj" <jd_hudson@...> wrote:
>
> My B VFO all of a sudden stopped hearing signals. There's noise but no signals. I can find a signal with VFO A but not with VFO B. This started here recently. Most times I have to do a MASTER RESET and I can start to hear signals but I lose them after a short period.
>
> I read in a 2005 post of maybe some DSP issues?? Using ver 3.030
>
> Will reload with a older version tomorrow and see what happens
>
> Thanks
> John
> KO4XJ
>

7994. RE: [orion565] Re: VFO B loses signals Orion1

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-09 12:14:50 UTC
From: John Hudson
Topic: 7992 Message: 7994

Onno, I have not been able to reproduce any one thing that would cause this problem, it "just happens" and I do not have any remote softwatre connected to the rig. I have started using DXLab logging software but the VFO B works with it, when it does work, and this issue was there before I switched over to DXLab (was using Logger32 before)

I switched over to the firmware updates as they become available and each time they updated fine.

I just cannot reproduce the problem just yet but I'm paying more attention to when it happens

Thanks Onno

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Friday, March 09, 2012 12:17 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: VFO B loses signals Orion1

Hi John,

Do you have an idea how to reproduce the problem? Also do you have any remote control program connected to orion which writes / reads the orion through serial communication? Just want to understand the environment in order to help. Also did the firmware upgrade go smooth on your unit or did you have to disable the stop on error within upgrade program? Best regards, onno

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "ko4xj" <jd_hudson@...> wrote:
>
> My B VFO all of a sudden stopped hearing signals. There's noise but no signals. I can find a signal with VFO A but not with VFO B. This started here recently. Most times I have to do a MASTER RESET and I can start to hear signals but I lose them after a short period.
>
> I read in a 2005 post of maybe some DSP issues?? Using ver 3.030
>
> Will reload with a older version tomorrow and see what happens
>
> Thanks
> John

> KO4XJ
>

[Non-text portions of this message have been removed]

7995. RE: [orion565] Re: VFO B loses signals Orion1

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-09 14:01:11 UTC
From: Robert Carroll
Topic: 7992 Message: 7995

John-

I had exactly those symptoms once a long time ago which drove me crazy. I would hear atmospheric noise but no signal. Occasionally I would hear truly bizarre noises which seemed to be partially signal--but not signal from the ham bands. Tuning produced no change in the noise/signal. Finally I sent the set back to TenTec and they pronounced it a synthesizer out of "tolerance." After the report it's been fine for years. I'd call TenTec.

73

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John Hudson
Sent: Friday, March 09, 2012 7:15 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: VFO B loses signals Orion1

Onno, I have not been able to reproduce any one thing that would cause this problem, it "just happens" and I do not have any remote softwatre connected to the rig. I have started using DXLab logging software but the VFO B works with it, when it does work, and this issue was there before I switched over to DXLab (was using Logger32 before)

I switched over to the firmware updates as they become available and each time they updated fine.

I just cannot reproduce the problem just yet but I'm paying more attention to when it happens

Thanks Onno

John

KO4XJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
Of pa1ap
Sent: Friday, March 09, 2012 12:17 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] Re: VFO B loses signals Orion1

Hi John,

Do you have an idea how to reproduce the problem? Also do you have any remote control program connected to orion which writes / reads the orion through serial communication? Just want to understand the environment in order to help. Also did the firmware upgrade go smooth on your unit or did you have to disable the stop on error within upgrade program? Best regards, onno

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com> ,
"ko4xj" <jd_hudson@...> wrote:
>
> My B VFO all of a sudden stopped hearing signals. There's noise but no signals. I can find a signal with VFO A but not with VFO B. This started here recently. Most times I have to do a MASTER RESET and I can start to hear signals but I lose them after a short period.
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> I read in a 2005 post of maybe some DSP issues?? Using ver 3.030
>
> Will reload with a older version tomorrow and see what happens
>
> Thanks
> John
> KO4XJ
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7996. RE: [orion565] Re: VFO B loses signals Orion1

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-09 14:10:49 UTC
From: John Hudson
Topic: 7992 Message: 7996

Thanks Bob.. Glad the email found you hi hi.. I've got a few issues that pop up but sometimes it's hard to nail down when and why they occur. Like right now I reloaded the newest firmware this morning and it seems to be working fine but will watch it closer and try to nail down when it goes bad then call TT

Thanks

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Robert Carroll
Sent: Friday, March 09, 2012 8:01 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: VFO B loses signals Orion1

John-

I had exactly those symptoms once a long time ago which drove me crazy. I would hear atmospheric noise but no signal. Occasionally I would hear truly bizarre noises which seemed to be partially signal--but not signal from the ham bands. Tuning produced no change in the noise/signal. Finally I sent the set back to TenTec and they pronounced it a synthesizer out of "tolerance." After the report it's been fine for years. I'd call TenTec.

73

Bob W2WG

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
Of John Hudson
Sent: Friday, March 09, 2012 7:15 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] Re: VFO B loses signals Orion1

Onno, I have not been able to reproduce any one thing that would cause this problem, it "just happens" and I do not have any remote softwatre connected to the rig. I have started using DXLab logging software but the VFO B works with it, when it does work, and this issue was there before I switched over to DXLab (was using Logger32 before)

I switched over to the firmware updates as they become available and each time they updated fine.

I just cannot reproduce the problem just yet but I'm paying more attention to when it happens

Thanks Onno

John

KO4XJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com>] On Behalf Of pa1ap
Sent: Friday, March 09, 2012 12:17 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com>
Subject: [orion565] Re: VFO B loses signals Orion1

Hi John,

Do you have an idea how to reproduce the problem? Also do you have any remote control program connected to orion which writes / reads the orion through serial communication? Just want to understand the environment in order to help. Also did the firmware upgrade go smooth on your unit or did you have to disable the stop on error within upgrade program? Best regards, onno

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com> , "ko4xj" <jd_hudson@...> wrote:
>
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> John
> KO4XJ
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7997. RE: [orion565] Re: VFO B loses signals Orion1

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-09 14:57:04 UTC
From: Wes Attaway (N5WA)
Topic: 7992 Message: 7997

I am glad to know about the synthesizer solution.

I have occasionally had the problem of VFOB not receiving signals and I found one "cure" to be simply turning the radio off and then back on. After doing this the VFOB works fine. For me it has been only an odd and mildly irritating problem since it only takes a few seconds to reboot the radio. Upgrading firmware doesn't seem to change this issue, which is not surprising if the cure is to retune the synthesizer.

Maybe there is an easy way to tweak the synthesizer to get it back into tolerance without having to send the radio back to TenTec.

---------- Wes Attaway (N5WA) ----------
1138 Waters Edge Circle, Shreveport, LA 71106
318-797-4972 (Office) - 318-393-3289 (Cell)
Computer Consulting and Forensics
---------- EnCase Certified Examiner ----------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John Hudson
Sent: Friday, March 09, 2012 8:11 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: VFO B loses signals Orion1

Thanks Bob.. Glad the email found you hi hi.. I've got a few issues that pop up but sometimes it's hard to nail down when and why they occur. Like right now I reloaded the newest firmware this morning and it seems to be working fine but will watch it closer and try to nail down when it goes bad then call TT

Thanks

John

KO4XJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of Robert Carroll
Sent: Friday, March 09, 2012 8:01 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] Re: VFO B loses signals Orion1

John-

I had exactly those symptoms once a long time ago which drove me crazy. I would hear atmospheric noise but no signal. Occasionally I would hear truly bizarre noises which seemed to be partially signal--but not signal from the ham bands. Tuning produced no change in the noise/signal. Finally I sent the set back to TenTec and they pronounced it a synthesizer out of "tolerance." After the report it's been fine for years. I'd call TenTec.

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Of John Hudson
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7998. Some Receiver Features Issues

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-09 15:08:07 UTC
From: Bob
Topic: 7998 Message: 7998

Ok, we all know that HF rigs all have their claim to fame, but actual use of the rigs really determine the quality of the rig and the effectiveness of any features on the rig. My use of the OII tells me in my location, which I would describe as above average on most days, as relates to noisy, shows me every day how effective or unique the RF gain on the rig really is as compared to other rigs. To me the RF control on the OII reduces the noisy while leaving the signal with good volume control response. Other rigs, including the 5k, just can't do this. In fact, the RF control is the only reason I keep the OII and of course it is a classy looking rig like its owner, hi hi.

I only have one other thing to say about the receive features and I will get off my soap box. I can only compare the NB, NR and the AN with firmware V2.044A since I haven't upgraded, but none of these features on the OII impress me much. All of these receive feature on my OII have their problems unlike my 5k. Even my MKV, with the exception of the RF performance, can give the OII a run for the money.

All my comments are related to Phone Mode, I don't do CW or other digital modes very often and have very little interest in them.
Just my opinion, so don't stone me to dead. I enjoy all my rigs.

73,
Bob

7999. Re: [orion565] VFO B loses signals Orion1

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-09 15:21:03 UTC
From: Larry Menzel
Topic: 7992 Message: 7999

Wow, what a surprise! I reported the same thing a week or two ago.

I'm assuming you're running a 565 and that you're using 3.xx? Right?

I have had exactly the same thing here.

Something else to try: see how much output your radio has on 10, 12, 15 and 17 meter SSB...I'll bet it's less than 25 watts. Try with the SP on and off, and see what the difference in SSB output is.

I reverted to 2.054 and everything works perfectly. SSB output on 10 meters at 100 watts and perfect second receiver performance.

I have reloaded 3.030 multiple times, until it finally seems to be solid. I still have low output on 10-20 meter SSB, but rarely use those bands with my Orion. My Orion II running the current 3.028 and new RX366 is working perfectly.

Cannot say the same for the Orion, however.

Any who have interest, please check out both second receiver performance as well as output on 10-20 meter SSB and report your findings, please.

Larry, W0PR

On Thu, Mar 8, 2012 at 11:21 PM, ko4xj <jd_hudson@...> wrote:

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>
>
> My B VFO all of a sudden stopped hearing signals. There's noise but no
> signals. I can find a signal with VFO A but not with VFO B. This started
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> Thanks
> John
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[Non-text portions of this message have been removed]

8000. Re: [orion565] Some Receiver Features Issues

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-09 15:30:12 UTC
From: John Huffman
Topic: 7998 Message: 8000

Here's my 2 cents on NR, a feature I really like in the Orion. Find a CW signal, set the bandwidth to 100hz, set NR to 1 or 2, back off the RF gain until perfect. After that it's tough to go back to any other rig.

73 de K1ESE
John

On 3/9/2012 10:08 AM, Bob wrote:
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> use of the rigs really determine the quality of the rig and the
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> Just my opinion, so don't stone me to dead. I enjoy all my rigs.
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> 73,
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8001. Re: [orion565] Some Receiver Features Issues

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-09 16:13:38 UTC
From: Sam W Jacobs CET
Topic: 7998 Message: 8001

Like you Bob, I'm strictly HF Phone. In fact, I'll go one step further. I'm one of those guys most of you bitch at as I run ESSB (enhanced single sideband as described by most). I usually have my bandwidth set at the full 3.9 Khz, running outboard audio equalizers and compression (W2IHY), studio microphones, Behringer equipment, etc. Getting as close to FM two-way broadcast communications on sideband as possible is the end result. I'll be installing 2 DVD players next week when I go 24/7 Classic Rock 'n Roll !

Normally I only do this very early in the morning and only when there isn't anyone close-by on an adjacent frequency. That is one of the reasons I was hoping T*T would increase their transmitting BW to 5 Khz or more, lol.

Anyhow, I find the O2 to be the (almost) perfect exciter for my Alpha 91b or Ameritron 572 Amps.

I just wish the receiver's listed functions (NR,NB,AN) would work better. It's so much nicer when my ears don't bleed, lol.

Sam
K3SAM

From: John Huffman <hjohnc@...>
To: orion565@yahoogroups.com
Sent: Friday, March 9, 2012 10:30 AM
Subject: Re: [orion565] Some Receiver Features Issues

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8002. Re: [orion565] Some Receiver Features Issues

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-09 16:21:34 UTC
From: Barry N1EU
Topic: 7998 Message: 8002

At the 3.9Khz setting, the Orion tx bandwidth is 3.2khz wide last time I measured

Barry N1EU

On Fri, Mar 9, 2012 at 4:13 PM, Sam W Jacobs CET <Sam@k3sam.com> wrote:

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> To: orion565@yahoogroups.com
> Sent: Friday, March 9, 2012 10:30 AM
> Subject: Re: [orion565] Some Receiver Features Issues
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8003. RE: [orion565] VFO B loses signals Orion1

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-09 17:02:27 UTC
From: John Hudson
Topic: 7992 Message: 8003

Larry I just went through all the bands (cw end and upper ssb ends) and checked my output. NOW At first I used what's in line and that's my 238B tuner and my AL-811H amp. Using the 238B inline the output appears to be low. Using the tuner meter it appears to indicate approx 15 watts and then cranking the POWER encoder up to 50-55 watts. Now the 238B meter is something to be desired since it does not have a very detailed scale.

The only other meter I have is a YAESU YS-200. I put it in line and it gives me a much higher output. At TUNE 25-26 watts and high power 120-121 watts ON ALL BANDS

I tested this in all configurations, but recorded straight from the O1 output into the YS-200 then into a dummy load

The only thing I found was even going through my amp in standby there was no change but once I put my 238B inline (O1 to 238B to YS-200 to dummy load) I found a couple of watts dropped but still 23-25 and 119-120)

I believe the YS-200 to be a better reliable measurement source than the 238B and the only reason I say that is I use the YS-200 on VHF and the power outputs on my FT2800 match the manufacturers specs

I'm using 3.030 BTW

One last test, I use a Heil ProSet Boom headset 100% of the time on SSB and do mostly DX'ing, not a lot of rag chewing. My setup with great audio reports is using the HC-4 DX cartridge, MIC set to 30 and SP at 7. Now testing into the dummy load with the tuner inline I get approx 70w with a "TESSSSSTTTT" with SP on and approx 30w with the SP off. Not lab quality tests but I operate in the garage and not in a lab :)

So I don't think I have a power output issue but until I get my hands on another watt meter I'll have to go with these measurements...hmm I have a old Heathkit SB-634 somewhere in storage, it probably is accurate!!

Good luck

John
KO4XJ

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Larry Menzel
Sent: Friday, March 09, 2012 9:21 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] VFO B loses signals Orion1

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Yahoo! Groups Links

8004. RE: VFO B loses signals Orion1

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-09 17:26:33 UTC
From: John Hudson
Topic: 7992 Message: 8004

Thanks Russ... I did the A9 caps a couple of years ago, best I remember I had display issues..not sure if that;s right or not but I did change those. I have not change the battery yet but I may go ahead whether it's causing it or not

One thing I did forget to mention is I have a flacky power switch and one's on order. Most times I cannot power down with the power switch, the rig stays powered up and will turn off from a few minutes to several minutes after the power switch is turned off. Usually I use the power supply to turn off then turn the switch off and then I'm ready to power up normal the next time. One funny issue a week or so was the rig kept drifting and I mean drifting fast and could not figure out why. I turned the PS off and rebooted the rig, it was good but then started to drift again. I had left the power switch in the off position but the rig was still powered up and apparently there was enough "connection" to provide power but is was dropping voltage before complete shut down and causing funny things to happen. Maybe the new power switch will fix my issues?? We'll see

John
KO4XJ

-----Original Message-----
From: Russell Hamilton [mailto:rusham@...]
Sent: Friday, March 09, 2012 8:29 AM
To: jd_hudson@...
Subject: Re: VFO B loses signals Orion1

Hi John...

I had a slightly similar problem with my Orion I which was caused by the A9 board electrolytic capacitors beginning to go bad. Paul at TT said none of those caps should run warm nor have bulging tops, even slightly. Paul also mentioned the backup battery nearing its end of life can induce strange behavior such as you describe.

73, Russ, K3RH

8005. Re: VFO B loses signals Orion1

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-09 18:45:29 UTC
From: pa1ap
Topic: 7992 Message: 8005

Hi john,

Ok thanks for sharing the environment. It is good to exclude variables around the orion to focus on root cause. I dont known if you can/want to install the backup and restore software (you need serial connection for it) but if possible please perform a backup of your settings and email me the backup-settings file. This way in can compare the settings as well. please keep an eye on this event and try to write down then key sequence you used prior to event. We might be lucky to recall the sequence and allow tt to fix the issue quickly.... but thats only possible when we are able to locate the root cause.. I am keeping an eye out too...

Motivation for my questions as raised earlier;

1- if firmware upgrade is done without error check the firmware will be send to the orion but you will not know if all code is accepted / valid... hence my question on smooth upgrade.

2- if you have some sort of remote control program polling the orion this might be part of the root cause. Could be invalid commands, invalid handshake etc. Hence my question on remote control software.

3- although theoretically not needed you could verify the firmware by running the firmware upgrade program in validation mode. This will check the firmware as present on the orion line by line and compare the line information with the firmware ruf filemon your computer... this will take a couple of minutes but confirm 100% valid firmware. Easy step to do and worth to confirm. If you have time please do so.

Best regards, onno

--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
>
> Onno, I have not been able to reproduce any one thing that would cause this
> problem, it "just happens" and I do not have any remote softwatre connected
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> I switched over to the firmware updates as they become available and each
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> I just cannot reproduce the problem just yet but I'm paying more attention
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>
>
> Thanks Onno
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> John
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>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of pa1ap
> Sent: Friday, March 09, 2012 12:17 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: VFO B loses signals Orion1
>
>
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>
>
>
> Hi John,
>
> Do you have an idea how to reproduce the problem? Also do you have any
> remote control program connected to orion which writes / reads the orion
> through serial communication? Just want to understand the environment in
> order to help. Also did the firmware upgrade go smooth on your unit or did
> you have to disable the stop on error within upgrade program? Best regards,
> onno
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
> "ko4xj" <jd_hudson@> wrote:
> >
> > My B VFO all of a sudden stopped hearing signals. There's noise but no
> signals. I can find a signal with VFO A but not with VFO B. This started
> here recently. Most times I have to do a MASTER RESET and I can start to
> hear signals but I lose them after a short period.
> >
> > I read in a 2005 post of maybe some DSP issues?? Using ver 3.030
> >
> > Will reload with a older version tomorrow and see what happens
> >
> > Thanks
> > John
> > KO4XJ
> >
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> [Non-text portions of this message have been removed]
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8007. Re: orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-10 17:41:25 UTC
From: w3etc
Topic: 7358 Message: 8007

I understand that this software might be avaialable ? If I would sure like to try it for my OrionII

Thanks Ed W3ETC

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Greetings,
>
> I am writing orion back and restore program and looking for couple of operators who would like to test the program. At present it is windows based control and you can store multiple backups within the backup file.
>
> Let me know if you are interested and on what windows version you will run the software. Second, please advice orion type 565 /566.
>
> Regards, onno
>

8008. RE: [orion565] Re: VFO B loses signals Orion1

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-10 17:55:42 UTC
From: Stan
Topic: 7992 Message: 8008

John,

I had this problem a few years back, and vfo B began to work again after I took the Orion apart to do the v.2 upgrade. It may be a matter of an oxidized or loose connection somewhere.

Good luck,

Stan, W4AG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John Hudson
Sent: Friday, March 09, 2012 7:15 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: VFO B loses signals Orion1

Onno, I have not been able to reproduce any one thing that would cause this
problem, it "just happens" and I do not have any remote softwatre connected
to the rig. I have started using DXLab logging software but the VFO B works
with it, when it does work, and this issue was there before I switched over
to DXLab (was using Logger32 before)

I switched over to the firmware updates as they become available and each
time they updated fine.

I just cannot reproduce the problem just yet but I'm paying more attention
to when it happens

Thanks Onno

John

KO4XJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of pa1ap
Sent: Friday, March 09, 2012 12:17 AM
To: orion565@yahoogroups.com

<mailto:orion565%40yahoogroups.com>
Subject: [orion565] Re: VFO B loses signals Orion1

Hi John,

Do you have an idea how to reproduce the problem? Also do
you have any
remote control program connected to orion which writes /
reads the orion
through serial communication? Just want to understand the
environment in
order to help. Also did the firmware upgrade go smooth on
your unit or did
you have to disable the stop on error within upgrade
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--- In orion565@yahoogroups.com
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> My B VFO all of a sudden stopped hearing signals. There's
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>
> I read in a 2005 post of maybe some DSP issues?? Using ver
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> Will reload with a older version tomorrow and see what
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> Thanks
> John
> KO4XJ
>

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8009. Re: orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-10 18:13:45 UTC
From: pa1ap
Topic: 7358 Message: 8009

OT: OBR 2951 available

Greetings,

Some minor changes to the program which might be of use;

1- additional validation of backup sequence 2- v3 error backup settings can now be restored into v2 orion. the restore function will skip the v3 specific objects and hence not send them to v2 orion. 3- included 5 seconds timeout in case communication fails. 4- tested with v2 and v3 latest beta code and all seems to work smooth

OBR setup 2951 standard.zip https://www.box.net/shared/gqbhq9ytnu6k470vy4pl

OBR OBR OBR setup 2951 XP special.zip https://www.box.net/shared/ud2rpm53de946z8ueotj

I had various responses on xp environment. Sometimes it works right away, sometimes one has to ensure windows update is completed prior to installation. I have created a new package using 4.x net and 3.1 installer which should make this a smooth ride too... please send me email hown it went?

Best regards, onno
--- In orion565@yahoogroups.com, "w3etc" <w3etc@...> wrote:
>
> I understand that this software might be avaialable ? If I would sure like to try it for my OrionII
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> Thanks Ed W3ETC
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> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
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> >
> > Let me know if you are interested and on what windows version you will run the software. Second, please advice orion type 565 /566.
> >
> > Regards, onno
> >
>

8010. RE: [orion565] Re: VFO B loses signals Orion1

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-10 19:17:44 UTC
From: John Hudson
Topic: 7992 Message: 8010

Stan When I replace the power switch and battery (when it comes in) I'm going to reseat the jumper connectors and the boards

Thanks

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Stan
Sent: Saturday, March 10, 2012 11:56 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: VFO B loses signals Orion1

John,

I had this problem a few years back, and vfo B began to work again after I took the Orion apart to do the v.2 upgrade. It may be a matter of an oxidized or loose connection somewhere.

Good luck,

Stan, W4AG

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of John Hudson
Sent: Friday, March 09, 2012 7:15 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] Re: VFO B loses signals Orion1

Onno, I have not been able to reproduce any one thing that would cause this
problem, it "just happens" and I do not have any remote softwatre connected
to the rig. I have started using DXLab logging software but the VFO B works
with it, when it does work, and this issue was there before I switched over
to DXLab (was using Logger32 before)

I switched over to the firmware updates as they become available and each
time they updated fine.

I just cannot reproduce the problem just yet but I'm paying more attention
to when it happens

Thanks Onno

John

KO4XJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>] On Behalf
Of pa1ap
Sent: Friday, March 09, 2012 12:17 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
Subject: [orion565] Re: VFO B loses signals Orion1

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order to help. Also did the firmware upgrade go smooth on
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> I read in a 2005 post of maybe some DSP issues?? Using ver
3.030
>
> Will reload with a older version tomorrow and see what
happens
>
> Thanks
> John
> KO4XJ
>

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[Non-text portions of this message have been removed]

8012. OT: Serial test setup V1020

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-11 21:43:41 UTC
From: pa1ap
Topic: 8012 Message: 8012

Included on the right hand a test cyclus (100 x 8 commands) which reads the following values when engaged;

1- Main and Sub RF
2- Main and sub AF
3- Main and sub RIT
4- XIT
5- Main and sub Frequency
6- Main and sub delta frequency since start of sequence. This with option to reset delta during the sequence.

Point 6 provides a way to adjust the VFO dials to a prefered position, click on reset delta and than turn VFO 360 degrees to see how many steps are made. I used it to test Floyds findings and for me the rig seems to provide the same resolution for main and sub.

http://www.box.com/s/txe4g4vctcqz1jepjct1

best regards, Onno

8013. cw operation.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-11 21:54:46 UTC
From: Zoli
Topic: 8013 Message: 8013

I have recently gone back to operating CW and I don't like the relay clicking all the time .
Is there any way of operation without the relay in the radio going off like in VOX operation?
Can anyone help please.
Thanks.

8020. RE: [orion565] cw operation.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-12 03:38:59 UTC
From: art davis
Topic: 8013 Message: 8020

Try setting the QSK DELAY (in the CW menu) higher, say 10-15 percent.

To: orion565@yahoogroups.com
From: pyshack@...
Date: Sun, 11 Mar 2012 21:54:46 +0000
Subject: [orion565] cw operation.

I have recently gone back to operating CW and I don't like the relay clicking all the time
.

Is there any way of operation without the relay in the radio going off like in VOX
operation?

Can anyone help please.

Thanks.

[Non-text portions of this message have been removed]

8022. Re: [orion565] cw operation.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-12 11:08:12 UTC
From: Barry N1EU
Topic: 8013 Message: 8022

The QSK Delay has no effect on the relay activation.

Barry N1EU

On Mon, Mar 12, 2012 at 3:38 AM, art davis <n4uc@...> wrote:

>
> Try setting the QSK DELAY (in the CW menu) higher, say 10-15 percent.
>
> To: orion565@yahoogroups.com
> From: pyshack@...
> Date: Sun, 11 Mar 2012 21:54:46 +0000
> Subject: [orion565] cw operation.
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>

> Can anyone help please.
>
> Thanks.
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links

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8023. RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-12 13:24:12 UTC
From: John Hudson
Topic: 7992 Message: 8023

An additional "FIND" with my VFO B issue.. What I found over the weekend is that VFO B does hear.. but on a reboot it hears on 14.035, the default frequency after a master reboot. No matter what band I tune to or tuning the VFO knob it's listening to 14.035. It just seemed like it was hearing nothing but I kept hearing a CW signal when I was in the phone band and finally found it. NOW the other scenario.. If I do a reset and the VFO B does work it's all good until it goes bad ;) then what ever frequency is in VFO B is stuck there. Example if I was working RTTY split and VFO B decides to stop working properly, that's the signal I keep hearing in VFO B. Again no change when I change bands or manually enter a frequency. I've gone back and put 2.063x and 2.062a in and the same issue. I cannot determine if there is any thing I'm doing to make this happen but running DXLab, FLDIGI and FLDIGI bridge, N8LP VCP on a XP PC .

Again others suggested a weak battery can cause strange issues but one was ordered Friday from TT but will not ship until today so I'll wait for that and see. I'll be replacing a bad power switch (rig won't power off with switch) and checking all the jumper cable connections when I get the covers off

If no fix is found..it's headed to TT HQ

Thanks

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of ko4xj
Sent: Thursday, March 08, 2012 11:22 PM
To: orion565@yahoogroups.com
Subject: [orion565] VFO B loses signals Orion1

My B VFO all of a sudden stopped hearing signals. There's noise but no signals. I can find a signal with VFO A but not with VFO B. This started here recently. Most times I have to do a MASTER RESET and I can start to hear signals but I lose them after a short period.

I read in a 2005 post of maybe some DSP issues?? Using ver 3.030

Will reload with a older version tomorrow and see what happens

Thanks
John
KO4XJ

[Non-text portions of this message have been removed]

8024. Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-12 13:37:51 UTC
From: Larry Menzel
Topic: 7992 Message: 8024

Before you send it back, try reloading 2.054. I had to go that far back
before everything worked as before.

Now, I have reloaded 3.030 multiple times, and it FINALLY works all the
time...receiver-wise...but still have low SSB output on 10-20 meters.

I seldom use my 565 on those bands, it's my second rig, nor do I use SSB
very often, so it's not a big issue, and I assume these will be addressed
with the next release.

See whether 2.054 will work.

Larry, W0PR

On Mon, Mar 12, 2012 at 8:24 AM, John Hudson <jd_hudson@comcast.net> wrote:

> **
>
>
> An additional "FIND" with my VFO B issue.. What I found over the weekend is
> that VFO B does hear.. but on a reboot it hears on 14.035, the default
> frequency after a master reboot. No matter what band I tune to or tuning
> the
> VFO knob it's listening to 14.035. It just seemed like it was hearing
> nothing but I kept hearing a CW signal when I was in the phone band and
> finally found it. NOW the other scenario.. If I do a reset and the VFO B
> does work it's all good until it goes bad ;) then what ever frequency is in
> VFO B is stuck there. Example if I was working RTTY split and VFO B decides
> to stop working properly, that's the signal I keep hearing in VFO B. Again
> no change when I change bands or manually enter a frequency. I've gone back
> and put 2.063x and 2.062a in and the same issue. I cannot determine if
> there is any thing I'm doing to make this happen but running DXLab, FLDIGI
> and FLDIGI bridge, N8LP VCP on a XP PC .
>
> Again others suggested a weak battery can cause strange issues but one was
> ordered Friday from TT but will not ship until today so I'll wait for that
> and see. I'll be replacing a bad power switch (rig won't power off with
> switch) and checking all the jumper cable connections when I get the covers
> off
>
> If no fix is found..it's headed to TT HQ
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> Thanks
>
> John
>

> KO4XJ
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> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of ko4xj
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> John
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> [Non-text portions of this message have been removed]
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8026. Re: cw operation.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-12 22:35:09 UTC
From: Zoli
Topic: 8013 Message: 8026

Thanks Barry,
I didn't think it did as i tried that earlier the relay clicks are still there.
This must be the only radio that I cant seem to use the vox to keep it in TX whilst making my call , the relay clicks at every dot and dash.nice in QSK but not sure of the life of a relay used now and again in CW.
Anyone else have a solution to the CW operation .
The manual does not have much info about CW operation and this must be one of the most popular cw radios about.
Regards
Zoli M0ZOL
Oh and just updated to the newest firmware and there is a vast improvement to the radio, its now quite a joy to use . What does the SAF do , it seems to do something with the notch?
Cheers guys for the knowledge...

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> The QSK Delay has no effect on the relay activation.
>
> Barry N1EU
>
> On Mon, Mar 12, 2012 at 3:38 AM, art davis <n4uc@...> wrote:
>
> >
> > Try setting the QSK DELAY (in the CW menu) higher, say 10-15 percent.
> >
> > To: orion565@yahoogroups.com
> > From: pyshack@...
> > Date: Sun, 11 Mar 2012 21:54:46 +0000
> > Subject: [orion565] cw operation.
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8027. Re: [orion565] Re: cw operation.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-12 23:10:44 UTC
From: Tom Berry
Topic: 8013 Message: 8027

Well the PTT does key the rig in CW - at least on my radio. If I don't
want to listen to the relay and have a long transmission then I key the PTT.

73 Tom AA4VV

On 3/12/2012 6:35 PM, Zoli wrote:
> Thanks Barry,
> I didn't think it did as i tried that earlier the relay clicks are still there.
> This must be the only radio that I cant seem to use the vox to keep it in TX whilst making my call , the relay clicks at every dot and dash.nice in QSK but not sure of the life of a relay used now and again in CW.
> Anyone else have a solution to the CW operation .
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> Zoli M0ZOL
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8028. Re: [orion565] Re: cw operation.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-12 23:29:58 UTC
From: Barry N1EU
Topic: 8013 Message: 8028

The relay still clicks away, even with PTT asserted. What PTT buys you is
rx muting but the relay still clicks on each cw element.

Barry N1EU

On Mon, Mar 12, 2012 at 11:10 PM, Tom Berry <tberry1@...> wrote:

> **
>
>
> Well the PTT does key the rig in CW - at least on my radio. If I don't
> want to listen to the relay and have a long transmission then I key the
> PTT.
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> 73 Tom AA4VV
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> On 3/12/2012 6:35 PM, Zoli wrote:
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8029. high swr

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-12 23:42:09 UTC
From: pkennedy10021
Topic: 8029 Message: 8029

hello
I have a oron2 if hold the key down too long on cw or try to run rtty or sstv the radio cuts the power back and says high swr it does not make any diff. what band. have check it on 2 dummy loads that i know are good and 2 diff ant. check it with 2 diff. swr metters they say the swr is good, any body have this happen or know what the fix may be
thanks 73
Paul w0nrm

8030. Re: [orion565] high swr

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-13 00:37:36 UTC
From: James Skalski
Topic: 8029 Message: 8030

are you using the optional fan on the heat sink when running continuous duty?
That may be the solution. If you are able to fold back the power you may be able to run longer without the fan.
Are you able to measure the heat sink temperature?
Jim n2go

From: pkennedy10021 <pkennedy10021@...>
To: orion565@yahoogroups.com
Sent: Monday, March 12, 2012 7:42 PM
Subject: [orion565] high swr

hello
I have a oron2 if hold the key down too long on cw or try to run rtty or sstv the radio cuts the power back and says high swr it does not make any diff. what band. have check it on 2 dummy loads that i know are good and 2 diff ant. check it with 2 diff. swr metters they say the swr is good, any body have this happen or know what the fix may be
thanks 73
Paul w0nrm

[Non-text portions of this message have been removed]

8031. Re: high swr

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-13 00:56:56 UTC
From: pkennedy10021
Topic: 8029 Message: 8031

yes i do have a fan but does not help. I can cut the power back on
10 meters and run it a little longer. it does not take but about 1 min. to give me the high swr
--- In orion565@yahoogroups.com, James Skalski <jskalski@...> wrote:
>
> are you using the optional fan on the heat sink when running continuous duty?
> That may be the solution. If you are able to fold back the power you may be able to run longer without the fan.
> Are you able to measure the heat sink temperature?
> Jim n2go
>
>
> _____
> From: pkennedy10021 <pkennedy10021@...>
> To: orion565@yahoogroups.com
> Sent: Monday, March 12, 2012 7:42 PM
> Subject: [orion565] high swr
>
>
> Â
> hello
> I have a oron2 if hold the key down too long on cw or try to run rtty or sstv the radio cuts the power back and says high swr it does not make any diff. what band. have check it on 2 dummy loads that i know are good and 2 diff ant. check it with 2 diff. swr metters they say the swr is good, any body have this happen or know what the fix may be
> thanks 73
> Paul w0nrm
>
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> [Non-text portions of this message have been removed]
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8032. Re: [orion565] Re: high swr

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-13 09:47:55 UTC
From: Sam W Jacobs CET
Topic: 8029 Message: 8032

I only had that happen to me once, and what the problem turned out to be was a cold solder joint at the apex of my antenna. It would heat up and eventually open (until it cooled down). This would only happen if I was running more than about 100 watts, and most times I do. As it would heat up the SWR would begin to rise.

Sam

From: pkennedy10021 <pkennedy10021@...>
To: orion565@yahoogroups.com
Sent: Monday, March 12, 2012 8:56 PM
Subject: [orion565] Re: high swr

yes i do have a fan but does not help. I can cut the power back on
10 meters and run it a little longer. it does not take but about 1 min. to give me the high swr
--- In orion565@yahoogroups.com, James Skalski <jskalski@...> wrote:
>
> are you using the optional fan on the heat sink when running continuous duty?
> That may be the solution. If you are able to fold back the power you may be able to run longer without the fan.
> Are you able to measure the heat sink temperature?
> Jim n2go
>
>
> _____
> From: pkennedy10021 <pkennedy10021@...>
> To: orion565@yahoogroups.com
> Sent: Monday, March 12, 2012 7:42 PM
> Subject: [orion565] high swr
>
>
> Â
> hello
> I have a oron2 if hold the key down too long on cw or try to run rtty or sstv the radio cuts the power back and says high swr it does not make any diff. what band. have check it on 2 dummy loads that i know are good and 2 diff ant. check it with 2 diff. swr metters they say the swr is good, any body have this happen or know what the fix may be
> thanks 73
> Paul w0nrm
>
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8034. Re: SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-13 19:56:30 UTC
From: John
Topic: 7921 Message: 8034

Hi Jim,

I'm using a couple of TenTec 317s here at the factory on Windows XP, Windows 7 32 bit, and Windows 7 64 bit. I haven't had any slow or erring updates using them.
I have not done anything special other than installing the drivers, and then going into device manager to put them onto the comm port number I want them to be on. Other than that, they have been plug and play for me.

Of the many I have tested, and we did test a bunch before selecting the 317 for sale, it was the most reliable and followed the RS232 standards the best.

John

--- In orion565@yahoogroups.com, James Skalski <jskalski@...> wrote:
>
> I have a O2. It is a Great radio.
> I just finished the latest upgrade. It took about 200 seconds. As with the last couple upgrades it loaded without incident.
> I use a an old xp pro computer with a dedicated serial port, ie no adapters. The serial cable works with my pic programmers and atmel programmers.
> I will have to keep that computer and cable around for a while :)
> Firmware issues come up every time there is an upgrade.
> I guess what we need is a utility to test your setup before you do any upgrades to let you know what your com port is and whether it is shared and thus able to upgrade the firmware.
> Also if someone could source a "known working" usb to serial cable that works with XP, Windows 7 and whatever comes out next.
> This could save people a lot of grief.
> Jim n2go
>
> _____
> From: Larry Menzel <retire@...>
> To: orion565@yahoogroups.com
> Sent: Sunday, March 4, 2012 4:39 PM
> Subject: Re: [orion565] Re: SSB output
>
> *Well, guess what, fellas? I just loaded 2.054 back on my Orion. And I
> have FULL 100+ watts on 10 meter SSB, as well as all the other high bands. *
>
> So, it's definitely a 3.XX version issue, and nothing is wrong with my
> radio, or so it would seem. I felt this way from the beginning because my
> CW/RTTY output was fine.
>
> Anyone got an answer other than firmware?
>
> Larry, W0PR

>
> PS...I'm going to reload 3.03 and see what happens.
>
>
>
> On Sun, Mar 4, 2012 at 2:54 PM, Larry Menzel <retire@...> wrote:
>
> > Nope, Antenna 2 is the same. 20 watts max on 10, I do have a tuner, but
> > of course, it only works on Antenna 1.
> >
> > Engaging or disengaging the tuner makes no difference.
> >
> > Larry, W0PR
> >
> >
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> > On Sun, Mar 4, 2012 at 12:26 PM, Barry N1EU <barry.n1eu@...> wrote:
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> >> **
> >>
> >>
> >> Yes Larry, change to ANT2 like Onno is suggesting - it fixed my problem.
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> >> 73, Barry N1EU
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> >>
> >> On Sun, Mar 4, 2012 at 5:57 PM, Larry Menzel <retire@...> wrote:
> >>
> >> > Well, I just reloaded 3.025 and the radio exhibits the same thing. It
> >> > maxes output at 36 display, with no increase to 100.
> >> >
> >> > Still getting full power out on CW however. Radio works perfectly in
> >> every
> >> > other respect under 3.025.
> >> >
> >> > Barry, did you come up with anything?
> >> >
> >> > Larry, W0PR
> >> >
> >> > On Sat, Mar 3, 2012 at 8:43 PM, airman11141952 <w7trp@...> wrote:
> >> >
> >> > > **
> >>
> >> > > >
> >> > > >
> >> > > >
> >> > > >
> >> > > Loaded V.3.03 on my 565 and no issues here. Full power on all bands,
> >> both
> >> > > SSB and CW. I did not do a master reset after the down load, either.

> >> > >
> >> > > Gary
> >> > > W7TRP
> >> > >
> >> > >
> >> > > --- In orion565@yahoogroups.com, Larry Menzel <retire@> wrote:
> >> > > >
> >> > > > Whoa...really...you're not saying that just to make me feel better,
> >> > > Barry?
> >> > > >
> >> > > > Ok, time to reload.
> >> > > >
> >> > > > Larry
> >> > > > On Mar 3, 2012 2:53 PM, "Barry N1EU" <barry.n1eu@> wrote:
> >> > > >
> >> > > > > **
> >> > >
> >> > > > >
> >> > > > >
> >> > > > > Larry I have the E-X-A-C-T same problem here.
> >> > > > >
> >> > > > > Barry N1EU
> >> > > > >
> >> > > > > On Sat, Mar 3, 2012 at 6:43 PM, Larry Menzel <retire@> wrote:
> >> > > > >
> >> > > > > > **
> >> > > > >
> >> > > > > >
> >> > > > > > Hi, guys,
> >> > > > > >
> >> > > > > > Well, setting up for the DX contest today, I saw a spot for VP5M
> >> > > which is
> >> > > > > > operated by guys from our club, W0GJ, WA0MHJ and K0MD.
> >> > > > > >
> >> > > > > > Anyway, I switched over to 10 meters on my Orion (also have an
> >> OII)
> >> > > and
> >> > > > > > gave Glen, W0GJ, a call. To my surprise, I had only 8 watts of
> >> > > output on
> >> > > > > > SSB. I can scream into the mic...most I can get with mic gain
> >> at 60
> >> > > is
> >> > > > > > about 20 watts. I expect to see lower output PEP on SSB, but 20
> >> > > watts? I
> >> > > > > > cranked the output power to 100 with not much change, in fact, I
> >> > > get
> >> > > the
> >> > > > > > same ssb output with the power setting at 50 as I do at 100.
> >> > > > > >
> >> > > > > > Checking a bit more, I find that I have full 100 watts out on

> >> cw,
> >> > but
> >> > > > > can't
> >> > > > > > anything near that out on SSB.
> >> > > > > >
> >> > > > > > OK, checked everything, Audio, SSB settings, mic gain,
> >> processor,
> >> > > H/W mic
> >> > > > > > gain, everything you'd check, even put on another mic cable
> >> (thru a
> >> > > > > > microHAM 2R+ usually) but nothing increases my SSB output. Same
> >> > > results
> >> > > > > > with both my PR781 mic and my Heil headset. BTW, all work fine
> >> on
> >> > the
> >> > > > > > Orion II.
> >> > > > > >
> >> > > > > > Further checking, finds excellent 80+ watts on 40 and 75, Same
> >> > > settings
> >> > > > > on
> >> > > > > > 20 yield 40+ watts. Why the huge drop in sideband output on
> >> higher
> >> > > > > > frequencies? And again, same power output with my power
> >> indicator
> >> > at
> >> > > 50
> >> > > > > or
> >> > > > > > 100 on 15 and 10 meters. I get good power variability on ssb up
> >> > > through
> >> > > > > 40
> >> > > > > > and then start seeing the drop off.
> >> > > > > >
> >> > > > > > Anyone else have a possible solution? Don't think there's
> >> anything
> >> > > wrong
> >> > > > > > with my finals, etc, as output on CW is just fine. I just loaded
> >> > > V3.30
> >> > > > > but
> >> > > > > > that's a different story, there I have no receive on my second
> >> > > receiver
> >> > > > > and
> >> > > > > > other issues going on.
> >> > > > > >
> >> > > > > > Thanks.
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> >> > > > > > Larry, W0PR
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8035. Re: [orion565] Re: SSB output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-13 20:23:30 UTC
From: Jim Koshmider
Topic: 7921 Message: 8035

To 565 users:

I also used the 317 on my Windows 7 64 bit machine and had no problems with the cable - just had to figure out which com port to use. That was not the cable's fault - and only took me a few minutes to decide on the appropriate port. I went from 1.373b5 to 3.030 and used both the RAM clear and master reset. Results were immediate, and well worthwhile.

I would be interested in hearing about any receiver comparisons made between other rigs and the 565 - using the new 3.030 firmware. Thanks in advance.

To John:

Thanks for following up on the "little things that mean a lot...", John. Still, V. 3.030 is a big improvement over previous levels/versions. It's amazing. I'll be watching for any updates.

73,

Jim, K8OZ

--- On Tue, 3/13/12, John <jhenry@...> wrote:

From: John <jhenry@...>
Subject: [orion565] Re: SSB output
To: orion565@yahoogroups.com
Date: Tuesday, March 13, 2012, 1:56 PM

Hi Jim,

I'm using a couple of TenTec 317s here at the factory on Windows XP, Windows 7 32 bit, and Windows 7 64 bit. I haven't had any slow or erring updates using them.
I have not done anything special other than installing the drivers, and then going into device manager to put them onto the comm port number I want them to be on. Other than that, they have been plug and play for me.

Of the many I have tested, and we did test a bunch before selecting the 317 for sale, it was the most reliable and followed the RS232 standards the best.

John

--- In orion565@yahoogroups.com, James Skalski <jskalski@...> wrote:
>
> I have a O2. It is a Great radio.
> I just finished the latest upgrade. It took about 200 seconds. As with the last couple upgrades it loaded without incident.
> I use a an old xp pro computer with a dedicated serial port, ie no adapters. The serial cable works with my pic programmers and atmel programmers.
> I will have to keep that computer and cable around for a while :)

> Firmware issues come up every time there is an upgrade.
> I guess what we need is a utility to test your setup before you do any upgrades to let you know what your com port is and whether it is shared and thus able to upgrade the firmware.
> Also if someone could source a "known working" usb to serial cable that works with XP, Windows 7 and whatever comes out next.
> This could save people a lot of grief.
> Jim n2go
>
> _____
> From: Larry Menzel <retire@...>
> To: orion565@yahoogroups.com
> Sent: Sunday, March 4, 2012 4:39 PM
> Subject: Re: [orion565] Re: SSB output
>
> *Well, guess what, fellas? I just loaded 2.054 back on my Orion. And I
> have FULL 100+ watts on 10 meter SSB, as well as all the other high bands. *
>
> So, it's definitely a 3.XX version issue, and nothing is wrong with my
> radio, or so it would seem. I felt this way from the beginning because my
> CW/RTTY output was fine.
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> Anyone got an answer other than firmware?
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> Larry, W0PR
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> PS...I'm going to reload 3.03 and see what happens.
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> On Sun, Mar 4, 2012 at 2:54 PM, Larry Menzel <retire@...> wrote:
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> > Nope, Antenna 2 is the same. 20 watts max on 10, I do have a tuner, but
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> >> > > > > > > Well, setting up for the DX contest today, I saw a spot for VP5M
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> >> > > > > > > Anyway, I switched over to 10 meters on my Orion (also have an
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> >> > > > > > > gave Glen, W0GJ, a call. To my surprise, I had only 8 watts of
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> >> > > > > > > about 20 watts. I expect to see lower output PEP on SSB, but 20
> >> > > watts? I
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> >> > > > > > > Checking a bit more, I find that I have full 100 watts out on
> >> cw,
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> >> > > > > > > OK, checked everything, Audio, SSB settings, mic gain,
> >> processor,
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> >> > > > > > >
> >> > > > > > > Further checking, finds excellent 80+ watts on 40 and 75, Same
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> >> > > > > > on
> >> > > > > > > 20 yield 40+ watts. Why the huge drop in sideband output on
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> >> > > > > > > frequencies? And again, same power output with my power
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> >> > > 50
> >> > > > > or
> >> > > > > > 100 on 15 and 10 meters. I get good power variability on ssb up
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> >> > > > > > Anyone else have a possible solution? Don't think there's
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> >> > > > > > that's a different story, there I have no receive on my second
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> >> > > > > and
> >> > > > > > other issues going on.
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> >> > > > > > Larry, W0PR
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8036. RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-13 21:13:15 UTC
From: John Hudson
Topic: 7992 Message: 8036

GOT ANOTHER QUESTION

Has anyone ever had RFI problems effect their rigs?? Sounds funny but Paul from TT answered an email about my VFO B issue and wanted to know if I would try it with a logging program connected. I disconnected the cable from the PC to the rig and operated "old school" no logging program and it ran for hours today with no illeffects. I did not do a lot of QSO's but I did do tests on several bands using the amp and all ok

I then connected the cable and loaded up DXLab, my current log choice, and at the onset both VFO's were ok. I got brave and decided to try a contact on 17m with the amp, BAM, VFO B is back to being locked in a some freq but the display can be changed. I'm not too sure if it went south as I changed bands to 17m but it was after making the contact, which was simplex BTW. My cable is a home made cable but it's been in use for over a few years, last year I added signal lines for my STEPPIR controller. I know it does it with DXLabs and Logger32. I have DXbase and HRD also and will try it with them

Also on my power switch, the new switch does not power the rig down, Paul says "Turn on problem: Probably a problem with the turn on circuit on the back panel board, sounds like a leaky transistor."

Thanks in advance

John

KO4XJ

BTW Still waiting on the TT battery and hope it's the magic fix

From: John Hudson [mailto:jd_hudson@...]
Sent: Monday, March 12, 2012 8:24 AM
To: 'orion565@yahoogroups.com'
Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

An additional "FIND" with my VFO B issue.. What I found over the weekend is that VFO B does hear.. but on a reboot it hears on 14.035, the default frequency after a master reboot. No matter what band I tune to or tuning the VFO knob it's listening to 14.035. It just seemed like it was hearing nothing but I kept hearing a CW signal when I was in the phone band and finally found it. NOW the other scenario.. If I do a reset and the VFO B does work it's all good until it goes bad ;) then what ever frequency is in VFO B is stuck there. Example if I was working RTTY split and VFO B decides to stop working properly, that's the signal I keep hearing in VFO B. Again no change when I change bands or manually enter a frequency. I've gone back and put 2.063x and 2.062a in and the same issue. I cannot determine if there is any thing I'm doing to make this happen but running DXLab, FLDIGI

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If no fix is found..it's headed to TT HQ

Thanks

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of ko4xj
Sent: Thursday, March 08, 2012 11:22 PM
To: orion565@yahoogroups.com
Subject: [orion565] VFO B loses signals Orion1

My B VFO all of a sudden stopped hearing signals. There's noise but no signals. I can find a signal with VFO A but not with VFO B. This started here recently. Most times I have to do a MASTER RESET and I can start to hear signals but I lose them after a short period.

I read in a 2005 post of maybe some DSP issues?? Using ver 3.030

Will reload with a older version tomorrow and see what happens

Thanks
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KO4XJ

[Non-text portions of this message have been removed]

8037. Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-13 21:24:45 UTC
From: Barry N1EU
Topic: 7992 Message: 8037

It might be worth trying with the RS232 cable connected but no logging program running. If you have problems then, it suggests RFI via the RS232 cable. If no problems then, it suggests your logging program is sending a combination of commands that the Orion isn't happy with.

Barry N1EU

On Tue, Mar 13, 2012 at 9:13 PM, John Hudson <jd_hudson@...> wrote:

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> From: John Hudson [mailto:jd_hudson@...]

> Sent: Monday, March 12, 2012 8:24 AM
> To: 'orion565@yahoogroups.com'
> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
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8038. RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-13 23:04:31 UTC
From: John Hudson
Topic: 7992 Message: 8038

Yep tonight’s plan Barry

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Tuesday, March 13, 2012 4:25 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

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> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
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8039. RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-13 23:33:09 UTC
From: Robert Carroll
Topic: 7992 Message: 8039

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73

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John Hudson
Sent: Tuesday, March 13, 2012 5:13 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

GOT ANOTHER QUESTION

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Thanks in advance

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KO4XJ

BTW Still waiting on the TT battery and hope it's the magic fix

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<mailto:jd_hudson%40comcast.net>]
Sent: Monday, March 12, 2012 8:24 AM
To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com> '
Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

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Of ko4xj
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8041. RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-14 01:53:55 UTC
From: Wes Attaway (N5WA)
Topic: 7992 Message: 8041

This VFO-B problem is beginning to sound like something that has a number of different causes because different people seem to have found different reasons for it to occur and different ways to stop it. Either that or we have inaccurate reporting, but some of the reports are fairly detailed.

In my case, I have had the VFO-B non-receive problem with or without the logging software (DX4Win and microKeyer II) running and with or without ever transmitting. I have zero RFI in the shack, with a TV set, computers and other electronic gadgets sitting within two feet of the radio and showing zero ill effects. I do not run an amp. I doubt that in my case RFI is the problem.

For me, the cure is always the same ...Just turn the radio off and then turn it back on. Once I do this everything is normal (tending to rule out RFI), including hearing signals on VFO-B. The radio never misses a beat and all frequency settings, filter settings, etc, stay the same between the on-off-on cycles. My VFO-B non-receive problem is infrequent but I have never had it reoccur during the same operating session after going through the off-on cycle. I don't actually know how often the VFO-B problem occurs because the only time I use VFO-B is if I need to use "split" for DX and even then I don't always listen on VFO-B. The transmit function works on VFO-B even if the RX function is not working.

For the record, I am using the latest firmware and there was no change in the VFO-B problem as I went through various upgrades over the years. It is exactly the same problem now as it was several years ago.

All this makes me think that in my case the synthesizer explanation makes the most sense although I don't know why the off-on cycling "fixes" it for an entire operating session that may last for several days if I leave the radio on that long.

Over ...

---------- Wes Attaway (N5WA) ----------
1138 Waters Edge Circle, Shreveport, LA 71106
318-797-4972 (Office) - 318-393-3289 (Cell)
Computer Consulting and Forensics
---------- EnCase Certified Examiner ----------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of catfishtwo@...
Sent: Tuesday, March 13, 2012 6:55 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

I had a problem getting my VFO B to make any audio, until my friend told me to go into the audio menu and turn on the sub receivers audio (speaker "both") its much better now. and yes I did a reset and cleared all functions

and forgot to turn it back on. I love the current version 3.30 tom N6AJR

In a message dated 3/13/2012 4:33:10 P.M. Pacific Daylight Time, w2wg@... <mailto:w2wg%40comcast.net> writes:

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operational but could not be tuned-- Paul suspected the same thing. At the time he had a theory that connecting a computer to the Orion could cause VFO
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Yahoo! Groups Links

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8043. RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-14 02:21:04 UTC
From: Wes Attaway (N5WA)
Topic: 7992 Message: 8043

OK Tom .. I have thought of that but I don't have any other "low battery" symptoms that I know of and the problem has been the same almost from the point of purchasing the radio brand new back when TenTec first released it Nevertheless, I'll keep the low battery idea in mind..

---------- Wes Attaway (N5WA) ----------
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Sent: Tuesday, March 13, 2012 9:14 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

that turn it off and turn it back on fix is what I had here recently when my memory battery went out. easy to replace, remove top and bottom cases and loosen the front panel , it only goes in 1 way too. all kinds of weird problems , but a new battery fixed it. And fairly cheap too.. tom N6AJR

In a message dated 3/13/2012 6:54:23 P.M. Pacific Daylight Time, wesattaway@... <mailto:wesattaway%40bellsouth.net> writes:

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Of catfishtwo@... <mailto:catfishtwo%40aol.com>
Sent: Tuesday, March 13, 2012 6:55 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

I had a problem getting my VFO B to make any audio, until my friend told me
to go into the audio menu and turn on the sub receivers audio (speaker "both") its much better now. and yes I did a reset and cleared all functions

and forgot to turn it back on. I love the current version 3.30 tom N6AJR

In a message dated 3/13/2012 4:33:10 P.M. Pacific Daylight Time, w2wg@... <mailto:w2wg%40comcast.net> <mailto:w2wg%40comcast.net> writes:

When my 565 was having bizarre VFO-B issues--basically the sub receiver was
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Bob W2WG

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com>] On Behalf Of John Hudson
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Thanks in advance

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KO4XJ

BTW Still waiting on the TT battery and hope it's the magic fix

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<mailto:jd_hudson%40comcast.net>
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Sent: Monday, March 12, 2012 8:24 AM
To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
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8044. RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-14 03:41:28 UTC
From: John Hudson
Topic: 7992 Message: 8044

. Catfish. Both vfo's are on the speaker and when I use my headphones, almost 10% of the time I have MAIN in left and SUB in right and it's easy to tell when VFO B heads south.

. Wes.. I ran mine for a few hours this morning w/o a cable connecting the PC and not a problem one, but as soon as I connected a cable for the PC control.. VFO B went out.

Right now I'm really confused on what it does or does not :L So I will play with it more

It worked fine for a couple of years and now it starts. I just started using DXLab but I think this happened before I switched over. I do know this, I had a problem with one of my menu screens and even with 3.030 and using Logger32 I get that screen again (MENU-SSB), it's grabled.

As soon as the battery gets here, it's going in $9 from TT, hope it's here Thurs or Fri

. Bob, if the battery does not change anything or I can't find a solution I'll send it back. But Paul never mentioned that but others have

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Wes Attaway (N5WA)
Sent: Tuesday, March 13, 2012 9:21 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

OK Tom .. I have thought of that but I don't have any other "low battery" symptoms that I know of and the problem has been the same almost from the point of purchasing the radio brand new back when TenTec first released it Nevertheless, I'll keep the low battery idea in mind..

---------- Wes Attaway (N5WA) ----------
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Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

that turn it off and turn it back on fix is what I had here recently when my memory battery went out. easy to replace, remove top and bottom cases and loosen the front panel , it only goes in 1 way too. all kinds of weird problems , but a new battery fixed it. And fairly cheap too.. tom N6AJR

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All this makes me think that in my case the synthesizer explanation makes the most sense although I don't know why the off-on cycling "fixes" it for an entire operating session that may last for several days if I leave the radio on that long.

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8045. RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-14 05:17:25 UTC
From: John Hudson
Topic: 7992 Message: 8045

I may have this issue narrowed down but here's what I can make it do.

If I have not logging program running (with cable connected) Both VFO's appear to work fine. I cannot make it go bad.

If I run dxBase and QSY by clicking on a dx spot, both VFO's appear to work

Same for Ham Radio Deluxe

But if I load DXLabs. It seems to be fine until I click on to a DX spot. I have made this go bad 4 times in a row NO TRANSMISSIONS WERE MADE

So I'm going to email Dave the author of DXLab and pick his brain

More to follow and thanks

John

KO4XJ

From: John Hudson [mailto:jd_hudson@...]
Sent: Tuesday, March 13, 2012 10:41 PM
To: 'orion565@yahoogroups.com'
Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

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Also on my power switch, the new switch does not power the rig down, Paul says "Turn on problem: Probably a problem with the turn on circuit on the back panel board, sounds like a leaky transistor."

Thanks in advance

John

KO4XJ

BTW Still waiting on the TT battery and hope it's the magic fix

From: John Hudson [mailto:jd_hudson@...
<mailto:jd_hudson%40comcast.net>
<mailto:jd_hudson%40comcast.net>
<mailto:jd_hudson%40comcast.net>
<mailto:jd_hudson%40comcast.net>]
Sent: Monday, March 12, 2012 8:24 AM
To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
<mailto:%27orion565%40yahoogroups.com>
<mailto:%27orion565%40yahoogroups.com>
<mailto:%27orion565%40yahoogroups.com> '
Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

An additional "FIND" with my VFO B issue.. What I found over the weekend is that VFO B does hear.. but on a reboot it hears on 14.035, the default frequency after a master reboot. No matter what band I tune to or tuning the
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Again others suggested a weak battery can cause strange issues but one was ordered Friday from TT but will not ship until today so I'll wait for that and see. I'll be replacing a bad power switch (rig won't power off with switch) and checking all the jumper cable connections when I get the covers
off

If no fix is found..it's headed to TT HQ

Thanks

John

KO4XJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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Of ko4xj
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<mailto:orion565%40yahoogroups.com>
Subject: [orion565] VFO B loses signals Orion1

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signals. I can find a signal with VFO A but not with VFO B. This started
here recently. Most times I have to do a MASTER RESET and I can start to
hear signals but I lose them after a short period.

I read in a 2005 post of maybe some DSP issues?? Using ver 3.030

Will reload with a older version tomorrow and see what happens

Thanks
John
KO4XJ

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Yahoo! Groups Links

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8046. Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-14 10:39:19 UTC
From: pa1ap
Topic: 7992 Message: 8046

very good findings! it would be great to understand which commands are exchanged with the orion when this event occurs. If you could share this information I can pick it up and run it through load testing and tracing. Thanks so much and best regards, onno

--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
>
> I may have this issue narrowed down but here's what I can make it do.
>
>
>
> If I have not logging program running (with cable connected) Both VFO's
> appear to work fine. I cannot make it go bad.
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> But if I load DXLabs. It seems to be fine until I click on to a DX spot. I
> have made this go bad 4 times in a row NO TRANSMISSIONS WERE MADE
>
>
>
> So I'm going to email Dave the author of DXLab and pick his brain
>
>
>
> More to follow and thanks
>
>
>
>
>
> John
>
> KO4XJ
>
>
>
> From: John Hudson [mailto:jd_hudson@...]
> Sent: Tuesday, March 13, 2012 10:41 PM
> To: 'orion565@yahoogroups.com'

> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
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> . Catfish. Both vfo's are on the speaker and when I use my
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> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Wes Attaway (N5WA)
> Sent: Tuesday, March 13, 2012 9:21 PM
> To: orion565@yahoogroups.com
> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
>
>

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> OK Tom .. I have thought of that but I don't have any other "low battery"
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> point of purchasing the radio brand new back when TenTec first released it
> Nevertheless, I'll keep the low battery idea in mind..
>
> ----------------- Wes Attaway (N5WA) -------------------
> 1138 Waters Edge Circle, Shreveport, LA 71106
> 318-797-4972 (Office) - 318-393-3289 (Cell)
> Computer Consulting and Forensics
> -------------- EnCase Certified Examiner ---------------
>
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> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
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> that turn it off and turn it back on fix is what I had here recently when
> my memory battery went out. easy to replace, remove top and bottom
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> weird problems , but a new battery fixed it. And fairly cheap too.. tom
> N6AJR
>
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> wesattaway@... <mailto:wesattaway%40bellsouth.net>
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> All this makes me think that in my case the synthesizer explanation makes
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> Over ...
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> <mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of catfishtwo@... <mailto:catfishtwo%40aol.com>
> <mailto:catfishtwo%40aol.com>
> Sent: Tuesday, March 13, 2012 6:55 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
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> I had a problem getting my VFO B to make any audio, until my friend told
> me
> to go into the audio menu and turn on the sub receivers audio (speaker
> "both") its much better now. and yes I did a reset and cleared all
> functions
>
> and forgot to turn it back on. I love the current version 3.30 tom N6AJR
>
> In a message dated 3/13/2012 4:33:10 P.M. Pacific Daylight Time,

> w2wg@... <mailto:w2wg%40comcast.net> <mailto:w2wg%40comcast.net>
> <mailto:w2wg%40comcast.net>
> writes:
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> 73
>
> Bob W2WG
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> Of John Hudson
> Sent: Tuesday, March 13, 2012 5:13 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
> GOT ANOTHER QUESTION
>
> Has anyone ever had RFI problems effect their rigs?? Sounds funny but Paul
> from TT answered an email about my VFO B issue and wanted to know if I
> would
> try it with a logging program connected. I disconnected the cable from the
> PC to the rig and operated "old school" no logging program and it ran for
> hours today with no illeffects. I did not do a lot of QSO's but I did do
> tests on several bands using the amp and all ok
>
> I then connected the cable and loaded up DXLab, my current log choice, and
> at the onset both VFO's were ok. I got brave and decided to try a contact
> on
> 17m with the amp, BAM, VFO B is back to being locked in a some freq but
> the
> display can be changed. I'm not too sure if it went south as I changed
> bands
> to 17m but it was after making the contact, which was simplex BTW. My cable

> is a home made cable but it's been in use for over a few years, last year I
> added signal lines for my STEPPIR controller. I know it does it with DXLabs
> and Logger32. I have DXbase and HRD also and will try it with them
>
> Also on my power switch, the new switch does not power the rig down, Paul
> says "Turn on problem: Probably a problem with the turn on circuit on the
> back panel board, sounds like a leaky transistor."
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> Thanks in advance
>
> John
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> BTW Still waiting on the TT battery and hope it's the magic fix
>
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> hear signals but I lose them after a short period.
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> Will reload with a older version tomorrow and see what happens
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> Thanks
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8048. RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-14 12:45:32 UTC
From: Andre
Topic: 7992 Message: 8048

Sent from Andre's HTC HD2

-----Original Message-----
From: John Hudson <jd_hudson@...>
Sent: 14 March 2012 05:17
To: orion565@yahoogroups.com
Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

I may have this issue narrowed down but here's what I can make it do.

If I have not logging program running (with cable connected) Both VFO's appear to work fine. I cannot make it go bad.

If I run dxBase and QSY by clicking on a dx spot, both VFO's appear to work

Same for Ham Radio Deluxe

But if I load DXLabs. It seems to be fine until I click on to a DX spot. I have made this go bad 4 times in a row NO TRANSMISSIONS WERE MADE

So I'm going to email Dave the author of DXLab and pick his brain

More to follow and thanks

John

KO4XJ

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Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

. Catfish. Both vfo's are on the speaker and when I use my headphones, almost 10% of the time I have MAIN in left and SUB in right and it's easy to tell when VFO B heads south.

. Wes.. I ran mine for a few hours this morning w/o a cable connecting the PC and not a problem one, but as soon as I connected a cable for the PC control.. VFO B went out.

Right now I'm really confused on what it does or does not :L So I will play with it more

It worked fine for a couple of years and now it starts. I just started using DXLab but I think this happened before I switched over. I do know this, I had a problem with one of my menu screens and even with 3.030 and using Logger32 I get that screen again (MENU-SSB), it's grabled.

As soon as the battery gets here, it's going in $9 from TT, hope it's here Thurs or Fri

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Sent: Tuesday, March 13, 2012 9:21 PM
To: orion565@yahoogroups.com
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Behalf
Of John Hudson
Sent: Tuesday, March 13, 2012 5:13 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

GOT ANOTHER QUESTION

Has anyone ever had RFI problems effect their rigs?? Sounds funny but Paul
from TT answered an email about my VFO B issue and wanted to know if I
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try it with a logging program connected. I disconnected the cable from the
PC to the rig and operated "old school" no logging program and it ran for
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I then connected the cable and loaded up DXLab, my current log choice, and
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17m with the amp, BAM, VFO B is back to being locked in a some freq but
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to 17m but it was after making the contact, which was simplex BTW. My cable

is a home made cable but it's been in use for over a few years, last year I added signal lines for my STEPPIR controller. I know it does it with DXLabs and Logger32. I have DXbase and HRD also and will try it with them

Also on my power switch, the new switch does not power the rig down, Paul says "Turn on problem: Probably a problem with the turn on circuit on the back panel board, sounds like a leaky transistor."

Thanks in advance

John

KO4XJ

BTW Still waiting on the TT battery and hope it's the magic fix

From: John Hudson [mailto:jd_hudson@...
<mailto:jd_hudson%40comcast.net>
<mailto:jd_hudson%40comcast.net>
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An additional "FIND" with my VFO B issue.. What I found over the weekend is that VFO B does hear.. but on a reboot it hears on 14.035, the default frequency after a master reboot. No matter what band I tune to or tuning the
VFO knob it's listening to 14.035. It just seemed like it was hearing nothing but I kept hearing a CW signal when I was in the phone band and finally found it. NOW the other scenario.. If I do a reset and the VFO B does work it's all good until it goes bad ;) then what ever frequency is in VFO B is stuck there. Example if I was working RTTY split and VFO B decides to stop working properly, that's the signal I keep hearing in VFO B. Again no change when I change bands or manually enter a frequency. I've gone back and put 2.063x and 2.062a in and the same issue. I cannot determine if there is any thing I'm doing to make this happen but running DXLab, FLDIGI and FLDIGI bridge, N8LP VCP on a XP PC .

Again others suggested a weak battery can cause strange issues but one was ordered Friday from TT but will not ship until today so I'll wait for that and see. I'll be replacing a bad power switch (rig won't power off with switch) and checking all the jumper cable connections when I get the covers
off

If no fix is found..it's headed to TT HQ

Thanks

John

KO4XJ

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here recently. Most times I have to do a MASTER RESET and I can start to
hear signals but I lose them after a short period.

I read in a 2005 post of maybe some DSP issues?? Using ver 3.030

Will reload with a older version tomorrow and see what happens

Thanks
John
KO4XJ

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Yahoo! Groups Links

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8049. Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-14 17:59:10 UTC
From: pa1ap
Topic: 7992 Message: 8049

Hello John,

Unfortunately I am travelling and cannot install and test DXlabs myself but I have been peeking into their website. Looks like a very fine product. also found that there is a function to capture the information exchange between computer and rig. Its call commander messages http://www.dxlabsuite.com/commander/MessageCapture.jpg

Would it be possible for you to start the message capture function and than reproduce the issue you found when clickin on the the function causing the sub rx to stop working? Hopefully the serial command exchange will be captured and you can share it with me. That would make it much easier when I am home end of the week.

Thanks and regards, Onno

--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
>
> I may have this issue narrowed down but here's what I can make it do.
>
>
>
> If I have not logging program running (with cable connected) Both VFO's
> appear to work fine. I cannot make it go bad.
>
>
>
> If I run dxBase and QSY by clicking on a dx spot, both VFO's appear to work
>
> Same for Ham Radio Deluxe
>
>
>
> But if I load DXLabs. It seems to be fine until I click on to a DX spot. I
> have made this go bad 4 times in a row NO TRANSMISSIONS WERE MADE
>
>
>
> So I'm going to email Dave the author of DXLab and pick his brain
>
>
>
> More to follow and thanks
>
>
>
>
>

> John
>
> KO4XJ
>
>
>
> From: John Hudson [mailto:jd_hudson@...]
> Sent: Tuesday, March 13, 2012 10:41 PM
> To: 'orion565@yahoogroups.com'
> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
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> headphones, almost 10% of the time I have MAIN in left and SUB in right and
> it's easy to tell when VFO B heads south.
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> . Wes.. I ran mine for a few hours this morning w/o a cable
> connecting the PC and not a problem one, but as soon as I connected a cable
> for the PC control.. VFO B went out.
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> Right now I'm really confused on what it does or does not :L So I will play
> with it more
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> It worked fine for a couple of years and now it starts. I just started
> using DXLab but I think this happened before I switched over. I do know
> this, I had a problem with one of my menu screens and even with 3.030 and
> using Logger32 I get that screen again (MENU-SSB), it's grabled.
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> As soon as the battery gets here, it's going in $9 from TT, hope it's here
> Thurs or Fri
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> . Bob, if the battery does not change anything or I can't find a
> solution I'll send it back. But Paul never mentioned that but others have
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> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Wes Attaway (N5WA)
> Sent: Tuesday, March 13, 2012 9:21 PM
> To: orion565@...m
> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
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> OK Tom .. I have thought of that but I don't have any other "low battery"
> symptoms that I know of and the problem has been the same almost from the
> point of purchasing the radio brand new back when TenTec first released it
> Nevertheless, I'll keep the low battery idea in mind..
>
> ----------------- Wes Attaway (N5WA) -------------------
> 1138 Waters Edge Circle, Shreveport, LA 71106
> 318-797-4972 (Office) - 318-393-3289 (Cell)
> Computer Consulting and Forensics
> -------------- EnCase Certified Examiner ---------------
>
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> Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
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> that turn it off and turn it back on fix is what I had here recently when
> my memory battery went out. easy to replace, remove top and bottom
> cases and loosen the front panel , it only goes in 1 way too. all kinds of
> weird problems , but a new battery fixed it. And fairly cheap too.. tom
> N6AJR
>
> In a message dated 3/13/2012 6:54:23 P.M. Pacific Daylight Time,
> wesattaway@... <mailto:wesattaway%40bellsouth.net>
> <mailto:wesattaway%40bellsouth.net> writes:
>
> This VFO-B problem is beginning to sound like something that has a number
> of
> different causes because different people seem to have found different
> reasons for it to occur and different ways to stop it. Either that or we
> have inaccurate reporting, but some of the reports are fairly detailed.
>
> In my case, I have had the VFO-B non-receive problem with or without the
> logging software (DX4Win and microKeyer II) running and with or without

> ever
> transmitting. I have zero RFI in the shack, with a TV set, computers and
> other electronic gadgets sitting within two feet of the radio and showing
> zero ill effects. I do not run an amp. I doubt that in my case RFI is the
> problem.
>
> For me, the cure is always the same ...Just turn the radio off and then
> turn
> it back on. Once I do this everything is normal (tending to rule out
> RFI),
> including hearing signals on VFO-B. The radio never misses a beat and all
> frequency settings, filter settings, etc, stay the same between the
> on-off-on cycles. My VFO-B non-receive problem is infrequent but I have
> never had it reoccur during the same operating session after going through
> the off-on cycle. I don't actually know how often the VFO-B problem occurs
> because the only time I use VFO-B is if I need to use "split" for DX and
> even then I don't always listen on VFO-B. The transmit function works on
> VFO-B even if the RX function is not working.
>
> For the record, I am using the latest firmware and there was no change in
> the VFO-B problem as I went through various upgrades over the years. It is
> exactly the same problem now as it was several years ago.
>
> All this makes me think that in my case the synthesizer explanation makes
> the most sense although I don't know why the off-on cycling "fixes" it for
> an entire operating session that may last for several days if I leave the
> radio on that long.
>
> Over ...
>
> ----------------- Wes Attaway (N5WA) -------------------
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> Of catfishtwo@... <mailto:catfishtwo%40aol.com>
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> Sent: Tuesday, March 13, 2012 6:55 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>

> I had a problem getting my VFO B to make any audio, until my friend told
> me
> to go into the audio menu and turn on the sub receivers audio (speaker
> "both") its much better now. and yes I did a reset and cleared all
> functions
>
> and forgot to turn it back on. I love the current version 3.30 tom N6AJR
>
> In a message dated 3/13/2012 4:33:10 P.M. Pacific Daylight Time,
> w2wg@... <mailto:w2wg%40comcast.net> <mailto:w2wg%40comcast.net>
> <mailto:w2wg%40comcast.net>
> writes:
>
> When my 565 was having bizarre VFO-B issues--basically the sub receiver
> was
> operational but could not be tuned-- Paul suspected the same thing. At the
> time he had a theory that connecting a computer to the Orion could cause
> VFO
> B lockup even if you never transmitted. I commented to him that if you
> couldn't connect a PC to the rig it wasn't of much use to me. Fortunately
> on an eventual return to TT he found it was a "synthesizer out of spec"
> problem--very painful to find.
>
> 73
>
> Bob W2WG
>
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> Will reload with a older version tomorrow and see what happens
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8050. RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-14 18:17:06 UTC
From: Dave AA6YQ
Topic: 7992 Message: 8050

There is no CAT command that any transceiver application can send to an Orion that will cause VFO B to behave in the way that John KO4XJ has described.

Neither HRD nor DXBase have the ability to extract a QSX frequency from DX spot notes and with one gesture setup both VFOs for split frequency operation. DXLab does have this ability; there are many Orion owners using DXLab, and none has reported the behavior John reports.

I can think of only two possibilities:

1. Commander is not configured to use Flow Control in its interactions with the Orion, resulting in the Orion's processor being overrun and operating incorrectly; the solution to this is to configure Commander to use Flow Control, as shown in step 4.c of the instructions in

<http://www.dxlabsuite.com/dxlabwiki/TranceiverControlTenTec>

2. The transceiver in question is broken.

73,

Dave, AA6YQ (author, DXLab)

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Wednesday, March 14, 2012 1:59 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

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> that turn it off and turn it back on fix is what I had here recently when
> my memory battery went out. easy to replace, remove top and bottom
> cases and loosen the front panel , it only goes in 1 way too. all kinds of

> weird problems , but a new battery fixed it. And fairly cheap too.. tom
> N6AJR
>
> In a message dated 3/13/2012 6:54:23 P.M. Pacific Daylight Time,
> wesattaway@... <mailto:wesattaway%40bellsouth.net>
> <mailto:wesattaway%40bellsouth.net> writes:
>
> This VFO-B problem is beginning to sound like something that has a number
> of
> different causes because different people seem to have found different
> reasons for it to occur and different ways to stop it. Either that or we
> have inaccurate reporting, but some of the reports are fairly detailed.
>
> In my case, I have had the VFO-B non-receive problem with or without the
> logging software (DX4Win and microKeyer II) running and with or without
> ever
> transmitting. I have zero RFI in the shack, with a TV set, computers and
> other electronic gadgets sitting within two feet of the radio and showing
> zero ill effects. I do not run an amp. I doubt that in my case RFI is the
> problem.
>
> For me, the cure is always the same ...Just turn the radio off and then
> turn
> it back on. Once I do this everything is normal (tending to rule out

> RFI),
> including hearing signals on VFO-B. The radio never misses a beat and all
> frequency settings, filter settings, etc, stay the same between the
> on-off-on cycles. My VFO-B non-receive problem is infrequent but I have
> never had it reoccur during the same operating session after going through
> the off-on cycle. I don't actually know how often the VFO-B problem occurs
> because the only time I use VFO-B is if I need to use "split" for DX and
> even then I don't always listen on VFO-B. The transmit function works on
> VFO-B even if the RX function is not working.
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> For the record, I am using the latest firmware and there was no change in
> the VFO-B problem as I went through various upgrades over the years. It is
> exactly the same problem now as it was several years ago.
>
> All this makes me think that in my case the synthesizer explanation makes
> the most sense although I don't know why the off-on cycling "fixes" it for
> an entire operating session that may last for several days if I leave the
> radio on that long.
>
> Over ...
>
> ----------------- Wes Attaway (N5WA) -------------------
> 1138 Waters Edge Circle, Shreveport, LA 71106
> 318-797-4972 (Office) - 318-393-3289 (Cell)
> Computer Consulting and Forensics
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>
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> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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> <mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of catfishtwo@... <mailto:catfishtwo%40aol.com>
> <mailto:catfishtwo%40aol.com>
> Sent: Tuesday, March 13, 2012 6:55 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
> I had a problem getting my VFO B to make any audio, until my friend told
> me
> to go into the audio menu and turn on the sub receivers audio (speaker
> "both") its much better now. and yes I did a reset and cleared all
> functions
>

> and forgot to turn it back on. I love the current version 3.30 tom N6AJR
>
> In a message dated 3/13/2012 4:33:10 P.M. Pacific Daylight Time,
> w2wg@... <mailto:w2wg%40comcast.net> <mailto:w2wg%40comcast.net>
> <mailto:w2wg%40comcast.net>
> writes:
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> When my 565 was having bizarre VFO-B issues--basically the sub receiver
> was
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> time he had a theory that connecting a computer to the Orion could cause
> VFO
> B lockup even if you never transmitted. I commented to him that if you
> couldn't connect a PC to the rig it wasn't of much use to me. Fortunately
> on an eventual return to TT he found it was a "synthesizer out of spec"
> problem--very painful to find.
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> 73
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> Bob W2WG
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> Behalf
> Of John Hudson
> Sent: Tuesday, March 13, 2012 5:13 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
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>
> GOT ANOTHER QUESTION
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> Has anyone ever had RFI problems effect their rigs?? Sounds funny but Paul
> from TT answered an email about my VFO B issue and wanted to know if I
> would
> try it with a logging program connected. I disconnected the cable from the
> PC to the rig and operated "old school" no logging program and it ran for
> hours today with no illeffects. I did not do a lot of QSO's but I did do
> tests on several bands using the amp and all ok
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> at the onset both VFO's were ok. I got brave and decided to try a contact

> on
> 17m with the amp, BAM, VFO B is back to being locked in a some freq but
> the
> display can be changed. I'm not too sure if it went south as I changed
> bands
> to 17m but it was after making the contact, which was simplex BTW. My
cable
> is a home made cable but it's been in use for over a few years, last year
I
> added signal lines for my STEPPIR controller. I know it does it with
DXLabs
> and Logger32. I have DXbase and HRD also and will try it with them
>
> Also on my power switch, the new switch does not power the rig down, Paul
> says "Turn on problem: Probably a problem with the turn on circuit on the
> back panel board, sounds like a leaky transistor."
>
> Thanks in advance
>
> John
>
> KO4XJ
>
> BTW Still waiting on the TT battery and hope it's the magic fix
>
> From: John Hudson [mailto:jd_hudson@...
<mailto:[mailto:jd_hudson@...%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%2
0%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%20%0b%3e%20%3cmailto:jd_hudso
n%40comcast.net%3e%20%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%20]>
> <mailto:jd_hudson%40comcast.net>
> <mailto:jd_hudson%40comcast.net>
> <mailto:jd_hudson%40comcast.net>
> <mailto:jd_hudson%40comcast.net>]
> Sent: Monday, March 12, 2012 8:24 AM
> To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
<mailto:%27orion565%40yahoogroups.com>
> <mailto:%27orion565%40yahoogroups.com>
> <mailto:%27orion565%40yahoogroups.com>
> <mailto:%27orion565%40yahoogroups.com> '
> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
> An additional "FIND" with my VFO B issue.. What I found over the weekend
is
> that VFO B does hear.. but on a reboot it hears on 14.035, the default
> frequency after a master reboot. No matter what band I tune to or tuning
> the
> VFO knob it's listening to 14.035. It just seemed like it was hearing
> nothing but I kept hearing a CW signal when I was in the phone band and
> finally found it. NOW the other scenario.. If I do a reset and the VFO B
> does work it's all good until it goes bad ;) then what ever frequency is

in
> VFO B is stuck there. Example if I was working RTTY split and VFO B
decides
> to stop working properly, that's the signal I keep hearing in VFO B. Again
> no change when I change bands or manually enter a frequency. I've gone
back
> and put 2.063x and 2.062a in and the same issue. I cannot determine if
> there is any thing I'm doing to make this happen but running DXLab, FLDIGI
> and FLDIGI bridge, N8LP VCP on a XP PC .
>
> Again others suggested a weak battery can cause strange issues but one was
> ordered Friday from TT but will not ship until today so I'll wait for that
> and see. I'll be replacing a bad power switch (rig won't power off with
> switch) and checking all the jumper cable connections when I get the
> covers
> off
>
> If no fix is found..it's headed to TT HQ
>
> Thanks
>
> John
>
> KO4XJ
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
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> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of ko4xj
> Sent: Thursday, March 08, 2012 11:22 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] VFO B loses signals Orion1
>
> My B VFO all of a sudden stopped hearing signals. There's noise but no
> signals. I can find a signal with VFO A but not with VFO B. This started
> here recently. Most times I have to do a MASTER RESET and I can start to
> hear signals but I lose them after a short period.
>

> I read in a 2005 post of maybe some DSP issues?? Using ver 3.030
>
> Will reload with a older version tomorrow and see what happens
>
> Thanks
> John
> KO4XJ
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
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> ------------------------------------
>
> Yahoo! Groups Links
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> [Non-text portions of this message have been removed]
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> ------------------------------------
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8051. Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-14 18:59:59 UTC
From: pa1ap
Topic: 7992 Message: 8051

I leave it up to John to decide what to do. Not sure whats wrong with offering support and performing root caus analysis to collect facts.

Firmware V3.02x had some issues with serial communication and it sounds logical to me to double check if some sequence might have slipped through.

Regards, Onno

--- In orion565@yahoogroups.com, "Dave AA6YQ" <aa6yq@...> wrote:
>
> There is no CAT command that any transceiver application can send to an
> Orion that will cause VFO B to behave in the way that John KO4XJ has
> described.
>
>
>
> Neither HRD nor DXBase have the ability to extract a QSX frequency from DX
> spot notes and with one gesture setup both VFOs for split frequency
> operation. DXLab does have this ability; there are many Orion owners using
> DXLab, and none has reported the behavior John reports.
>
>
>
> I can think of only two possibilities:
>
>
>
> 1. Commander is not configured to use Flow Control in its interactions
> with the Orion, resulting in the Orion's processor being overrun and
> operating incorrectly; the solution to this is to configure Commander to use
> Flow Control, as shown in step 4.c of the instructions in
>
>
>
> <http://www.dxlabsuite.com/dxlabwiki/TranceiverControlTenTec>
>
>
>
> 2. The transceiver in question is broken.
>
>
>
>
>
> 73,
>

>
>
> Dave, AA6YQ (author, DXLab)
>
>
>
>
>
>
>
>
>
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of pa1ap
> Sent: Wednesday, March 14, 2012 1:59 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM
>
>
>
>
>
> Hello John,
>
> Unfortunately I am travelling and cannot install and test DXlabs myself but
> I have been peeking into their website. Looks like a very fine product. also
> found that there is a function to capture the information exchange between
> computer and rig. Its call commander messages
> http://www.dxlabsuite.com/commander/MessageCapture.jpg
>
> Would it be possible for you to start the message capture function and than
> reproduce the issue you found when clickin on the the function causing the
> sub rx to stop working? Hopefully the serial command exchange will be
> captured and you can share it with me. That would make it much easier when I
> am home end of the week.
>
> Thanks and regards, Onno
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "John
> Hudson" <jd_hudson@> wrote:
> >
> > I may have this issue narrowed down but here's what I can make it do.
> >
> >
> >
> > If I have not logging program running (with cable connected) Both VFO's
> > appear to work fine. I cannot make it go bad.
> >

> >
> >
> > If I run dxBase and QSY by clicking on a dx spot, both VFO's appear to
> work
> >
> > Same for Ham Radio Deluxe
> >
> >
> >
> > But if I load DXLabs. It seems to be fine until I click on to a DX spot. I
> > have made this go bad 4 times in a row NO TRANSMISSIONS WERE MADE
> >
> >
> >
> > So I'm going to email Dave the author of DXLab and pick his brain
> >
> >
> >
> > More to follow and thanks
> >
> >
> >
> >
> >
> > John
> >
> > KO4XJ
> >
> >
> >
> > From: John Hudson [mailto:jd_hudson@]
> > Sent: Tuesday, March 13, 2012 10:41 PM
> > To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com> '
> > Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> >
> >
> >
> > . Catfish. Both vfo's are on the speaker and when I use my
> > headphones, almost 10% of the time I have MAIN in left and SUB in right
> and
> > it's easy to tell when VFO B heads south.
> >
> >
> >
> > . Wes.. I ran mine for a few hours this morning w/o a cable
> > connecting the PC and not a problem one, but as soon as I connected a
> cable
> > for the PC control.. VFO B went out.
> >
> >

> >
> > Right now I'm really confused on what it does or does not :L So I will
> play
> > with it more
> >
> >
> >
> > It worked fine for a couple of years and now it starts. I just started
> > using DXLab but I think this happened before I switched over. I do know
> > this, I had a problem with one of my menu screens and even with 3.030 and
> > using Logger32 I get that screen again (MENU-SSB), it's grabled.
> >
> >
> >
> > As soon as the battery gets here, it's going in $9 from TT, hope it's here
> > Thurs or Fri
> >
> >
> >
> > . Bob, if the battery does not change anything or I can't find a
> > solution I'll send it back. But Paul never mentioned that but others have
> >
> >
> >
> >
> >
> >
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> Behalf
> > Of Wes Attaway (N5WA)
> > Sent: Tuesday, March 13, 2012 9:21 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> >
> >
> >
> >
> >
> > OK Tom .. I have thought of that but I don't have any other "low battery"
> > symptoms that I know of and the problem has been the same almost from the
> > point of purchasing the radio brand new back when TenTec first released it
> > Nevertheless, I'll keep the low battery idea in mind..
> >
> > ----------------- Wes Attaway (N5WA) -------------------
> > 1138 Waters Edge Circle, Shreveport, LA 71106
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> <mailto:orion565%40yahoogroups.com>] On
> > Behalf
> > Of catfishtwo@ <mailto:catfishtwo%40aol.com>
> > Sent: Tuesday, March 13, 2012 9:14 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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> > Also on my power switch, the new switch does not power the rig down, Paul
> > says "Turn on problem: Probably a problem with the turn on circuit on the
> > back panel board, sounds like a leaky transistor."
> >
> > Thanks in advance
> >
> > John
> >
> > KO4XJ
> >
> > BTW Still waiting on the TT battery and hope it's the magic fix
> >
> > From: John Hudson [mailto:jd_hudson@
> <mailto:[mailto:jd_hudson@%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%2
> 0%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%20%0b%3e%20%3cmailto:jd_hudso
> n%40comcast.net%3e%20%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%20]>
> > <mailto:jd_hudson%40comcast.net>
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> > To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
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> > <mailto:%27orion565%40yahoogroups.com> '
> > Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> >
> > An additional "FIND" with my VFO B issue.. What I found over the weekend
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> > that VFO B does hear.. but on a reboot it hears on 14.035, the default
> > frequency after a master reboot. No matter what band I tune to or tuning
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> > VFO knob it's listening to 14.035. It just seemed like it was hearing
> > nothing but I kept hearing a CW signal when I was in the phone band and
> > finally found it. NOW the other scenario.. If I do a reset and the VFO B
> > does work it's all good until it goes bad ;) then what ever frequency is
> in
> > VFO B is stuck there. Example if I was working RTTY split and VFO B
> decides
> > to stop working properly, that's the signal I keep hearing in VFO B. Again
> > no change when I change bands or manually enter a frequency. I've gone
> back
> > and put 2.063x and 2.062a in and the same issue. I cannot determine if
> > there is any thing I'm doing to make this happen but running DXLab, FLDIGI

> > and FLDIGI bridge, N8LP VCP on a XP PC .
> >
> > Again others suggested a weak battery can cause strange issues but one was
> > ordered Friday from TT but will not ship until today so I'll wait for that
> > and see. I'll be replacing a bad power switch (rig won't power off with
> > switch) and checking all the jumper cable connections when I get the
> > covers
> > off
> >
> > If no fix is found..it's headed to TT HQ
> >
> > Thanks
> >
> > John
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> > My B VFO all of a sudden stopped hearing signals. There's noise but no
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> > I read in a 2005 post of maybe some DSP issues?? Using ver 3.030
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> > Will reload with a older version tomorrow and see what happens
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8052. RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-14 19:28:29 UTC
From: Robert Carroll
Topic: 7992 Message: 8052

I've commented on the issue a couple of times, but perhaps I should add a little more detail. I'm using DXLab, Win 7/64, Orion 565 and have not seen the symptom since the "synthesizer out of tolerance" repair was made quite a few years ago--well before I had moved to DXLab. I'm not quite sure what "out of tolerance" meant. TT told me the synthesizer did still work, more or less, but one of its parameters (I think it was locking range) was well out of spec and causing the intermittent "freezes" I experienced. Good luck clearing up the issue--it almost drove me insane.

73

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Dave AA6YQ
Sent: Wednesday, March 14, 2012 2:17 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

There is no CAT command that any transceiver application can send to an Orion that will cause VFO B to behave in the way that John KO4XJ has described.

Neither HRD nor DXBase have the ability to extract a QSX frequency from DX spot notes and with one gesture setup both VFOs for split frequency operation. DXLab does have this ability; there are many Orion owners using DXLab, and none has reported the behavior John reports.

I can think of only two possibilities:

1. Commander is not configured to use Flow Control in its interactions with the Orion, resulting in the Orion's processor being overrun and operating incorrectly; the solution to this is to configure Commander to use Flow Control, as shown in step 4.c of the instructions in

<http://www.dxlabsuite.com/dxlabwiki/TranceiverControlTenTec>

2. The transceiver in question is broken.

73,

Dave, AA6YQ (author, DXLab)

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of pa1ap
Sent: Wednesday, March 14, 2012 1:59 PM

To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Hello John,

Unfortunately I am travelling and cannot install and test DXlabs myself but I have been peeking into their website. Looks like a very fine product. also found that there is a function to capture the information exchange between computer and rig. Its call commander messages
http://www.dxlabsuite.com/commander/MessageCapture.jpg

Would it be possible for you to start the message capture function and than reproduce the issue you found when clickin on the the function causing the sub rx to stop working? Hopefully the serial command exchange will be captured and you can share it with me. That would make it much easier when I am home end of the week.

Thanks and regards, Onno

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com> , "John Hudson" <jd_hudson@...> wrote:
>
> I may have this issue narrowed down but here's what I can make it do.
>
>
>
> If I have not logging program running (with cable connected) Both VFO's
> appear to work fine. I cannot make it go bad.
>
>
>
> If I run dxBase and QSY by clicking on a dx spot, both VFO's appear to work
>
> Same for Ham Radio Deluxe
>
>
>
> But if I load DXLabs. It seems to be fine until I click on to a DX spot. I
> have made this go bad 4 times in a row NO TRANSMISSIONS WERE MADE
>
>
>
> So I'm going to email Dave the author of DXLab and pick his brain
>
>
>
> More to follow and thanks
>
>

>
>
>
> John
>
> KO4XJ
>
>
>
> From: John Hudson [mailto:jd_hudson@...]
> Sent: Tuesday, March 13, 2012 10:41 PM
> To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
<mailto:%27orion565%40yahoogroups.com> '
> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
>
>
> . Catfish. Both vfo's are on the speaker and when I use my
> headphones, almost 10% of the time I have MAIN in left and SUB in right
and
> it's easy to tell when VFO B heads south.
>
>
>
> . Wes.. I ran mine for a few hours this morning w/o a cable
> connecting the PC and not a problem one, but as soon as I connected a
cable
> for the PC control.. VFO B went out.
>
>
>
> Right now I'm really confused on what it does or does not :L So I will
play
> with it more
>
>
>
> It worked fine for a couple of years and now it starts. I just started
> using DXLab but I think this happened before I switched over. I do know
> this, I had a problem with one of my menu screens and even with 3.030 and
> using Logger32 I get that screen again (MENU-SSB), it's grabled.
>
>
>
> As soon as the battery gets here, it's going in $9 from TT, hope it's here
> Thurs or Fri
>
>
>
> . Bob, if the battery does not change anything or I can't find a

> solution I'll send it back. But Paul never mentioned that but others have
>
>
>
>
>
>
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>] On
Behalf
> Of Wes Attaway (N5WA)
> Sent: Tuesday, March 13, 2012 9:21 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
>
>
>
>
> OK Tom .. I have thought of that but I don't have any other "low battery"
> symptoms that I know of and the problem has been the same almost from the
> point of purchasing the radio brand new back when TenTec first released it
> Nevertheless, I'll keep the low battery idea in mind..
>
> ----------------- Wes Attaway (N5WA) -------------------
> 1138 Waters Edge Circle, Shreveport, LA 71106
> 318-797-4972 (Office) - 318-393-3289 (Cell)
> Computer Consulting and Forensics
> -------------- EnCase Certified Examiner ---------------
>
> _____
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
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<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of catfishtwo@... <mailto:catfishtwo%40aol.com>
> Sent: Tuesday, March 13, 2012 9:14 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>

> that turn it off and turn it back on fix is what I had here recently when
> my memory battery went out. easy to replace, remove top and bottom
> cases and loosen the front panel , it only goes in 1 way too. all kinds of

> weird problems , but a new battery fixed it. And fairly cheap too.. tom
> N6AJR
>
> In a message dated 3/13/2012 6:54:23 P.M. Pacific Daylight Time,
> wesattaway@... <mailto:wesattaway%40bellsouth.net>
> <mailto:wesattaway%40bellsouth.net> writes:
>
> This VFO-B problem is beginning to sound like something that has a number
> of
> different causes because different people seem to have found different
> reasons for it to occur and different ways to stop it. Either that or we
> have inaccurate reporting, but some of the reports are fairly detailed.
>
> In my case, I have had the VFO-B non-receive problem with or without the
> logging software (DX4Win and microKeyer II) running and with or without
> ever
> transmitting. I have zero RFI in the shack, with a TV set, computers and
> other electronic gadgets sitting within two feet of the radio and showing
> zero ill effects. I do not run an amp. I doubt that in my case RFI is the
> problem.
>
> For me, the cure is always the same ...Just turn the radio off and then
> turn
> it back on. Once I do this everything is normal (tending to rule out
> RFI),
> including hearing signals on VFO-B. The radio never misses a beat and all
> frequency settings, filter settings, etc, stay the same between the
> on-off-on cycles. My VFO-B non-receive problem is infrequent but I have
> never had it reoccur during the same operating session after going through
> the off-on cycle. I don't actually know how often the VFO-B problem occurs
> because the only time I use VFO-B is if I need to use "split" for DX and
> even then I don't always listen on VFO-B. The transmit function works on
> VFO-B even if the RX function is not working.
>
> For the record, I am using the latest firmware and there was no change in
> the VFO-B problem as I went through various upgrades over the years. It is
> exactly the same problem now as it was several years ago.
>
> All this makes me think that in my case the synthesizer explanation makes
> the most sense although I don't know why the off-on cycling "fixes" it for
> an entire operating session that may last for several days if I leave the
> radio on that long.
>
> Over ...
>
> ----------------- Wes Attaway (N5WA) -------------------

> 1138 Waters Edge Circle, Shreveport, LA 71106
> 318-797-4972 (Office) - 318-393-3289 (Cell)
> Computer Consulting and Forensics
> -------------- EnCase Certified Examiner ---------------
>
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> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
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<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of catfishtwo@... <mailto:catfishtwo%40aol.com>
> <mailto:catfishtwo%40aol.com>
> Sent: Tuesday, March 13, 2012 6:55 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
> I had a problem getting my VFO B to make any audio, until my friend told
> me
> to go into the audio menu and turn on the sub receivers audio (speaker
> "both") its much better now. and yes I did a reset and cleared all
> functions
>
> and forgot to turn it back on. I love the current version 3.30 tom N6AJR
>
> In a message dated 3/13/2012 4:33:10 P.M. Pacific Daylight Time,
> w2wg@... <mailto:w2wg%40comcast.net> <mailto:w2wg%40comcast.net>
> <mailto:w2wg%40comcast.net>
> writes:
>
> When my 565 was having bizarre VFO-B issues--basically the sub receiver
> was
> operational but could not be tuned-- Paul suspected the same thing. At the
> time he had a theory that connecting a computer to the Orion could cause
> VFO
> B lockup even if you never transmitted. I commented to him that if you
> couldn't connect a PC to the rig it wasn't of much use to me. Fortunately
> on an eventual return to TT he found it was a "synthesizer out of spec"
> problem--very painful to find.
>
> 73
>

> Bob W2WG
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
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> Behalf
> Of John Hudson
> Sent: Tuesday, March 13, 2012 5:13 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
> GOT ANOTHER QUESTION
>
> Has anyone ever had RFI problems effect their rigs?? Sounds funny but Paul
> from TT answered an email about my VFO B issue and wanted to know if I
> would
> try it with a logging program connected. I disconnected the cable from the
> PC to the rig and operated "old school" no logging program and it ran for
> hours today with no illeffects. I did not do a lot of QSO's but I did do
> tests on several bands using the amp and all ok
>
> I then connected the cable and loaded up DXLab, my current log choice, and
> at the onset both VFO's were ok. I got brave and decided to try a contact
> on
> 17m with the amp, BAM, VFO B is back to being locked in a some freq but
> the
> display can be changed. I'm not too sure if it went south as I changed
> bands
> to 17m but it was after making the contact, which was simplex BTW. My
cable
> is a home made cable but it's been in use for over a few years, last year
I
> added signal lines for my STEPPIR controller. I know it does it with
DXLabs
> and Logger32. I have DXbase and HRD also and will try it with them
>
> Also on my power switch, the new switch does not power the rig down, Paul
> says "Turn on problem: Probably a problem with the turn on circuit on the
> back panel board, sounds like a leaky transistor."

>
> Thanks in advance
>
> John
>
> KO4XJ
>
> BTW Still waiting on the TT battery and hope it's the magic fix
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> Sent: Monday, March 12, 2012 8:24 AM
> To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
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> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
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> An additional "FIND" with my VFO B issue.. What I found over the weekend
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> does work it's all good until it goes bad ;) then what ever frequency is
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> VFO B is stuck there. Example if I was working RTTY split and VFO B
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> to stop working properly, that's the signal I keep hearing in VFO B. Again
> no change when I change bands or manually enter a frequency. I've gone
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> there is any thing I'm doing to make this happen but running DXLab, FLDIGI
> and FLDIGI bridge, N8LP VCP on a XP PC .
>
> Again others suggested a weak battery can cause strange issues but one was

> ordered Friday from TT but will not ship until today so I'll wait for that
> and see. I'll be replacing a bad power switch (rig won't power off with
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> John
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> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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> <mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of ko4xj
> Sent: Thursday, March 08, 2012 11:22 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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> Subject: [orion565] VFO B loses signals Orion1
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> My B VFO all of a sudden stopped hearing signals. There's noise but no
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> here recently. Most times I have to do a MASTER RESET and I can start to
> hear signals but I lose them after a short period.
>
> I read in a 2005 post of maybe some DSP issues?? Using ver 3.030
>
> Will reload with a older version tomorrow and see what happens
>
> Thanks
> John
> KO4XJ
>

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8053. RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-15 04:31:44 UTC
From: John Hudson
Topic: 7992 Message: 8053

Let me go through a very detailed scenario of what I have done three times today with each time the same results at the same time. Plus I'm going to send you the error log list and see if you can see when it happens or anything out of the ordinary. Also, I have used two other logging/rig control softwares that did not have any problems (except 1 menu screen in L32 that is garbled)..Sorry for the long post folks

I started with a freshly rebooted PC and a MASTER RESET (Battery Failure) and another MASTER RESET (Main RX/TX reset)

1. PC rebooted

2. Orion MASTER RESET (battery failure)

3. RX-366 INSTALLED (NO)

4. Orion Boots up

5. 2nd MASTER RESET (Main RX/TX reset)

a. CLEAR MEMORIES (YES)

b. RESET OPTIONAL FILTER (YES)

c. RX-366 INSTALLED (NO)

6. Orion Boots up

a. VFO A=14.250

b. VFO B=14.035

7. LOAD DXLAB (with new error log)

After DXLab loads and 20m is dead tonight (0330 GMT)

8. VFO A=Manually enter 7.200 then tuned to a signal on 7.154

9. VFO B= Manually entered 7.000 tuned to 7.007.6 cw signal

a. BOTH VFO's WORKING OK AT THIS TIME

10. VFO A=Switched to 80m then tuned to 3.539.5 CW signal

11. VFO B=Manually enter 10.100 and tuned to 10.115.5 CW signal

a. BOTH VFO's WORKING OK AT THIS TIME

12. VFO A=Switched to 180m and tuned to 1.828.6 CW signal

13. VFO B=Manually entered 7.150 and tuned to 7.153

At this time both VFO's are working as they are suppose to. Both receive independent signals and each VFO's frequency can be changed ok

14. I double clicked on SPOT COLLECTOR 3.795.10 VFO A changes to 3.795.1 but now VFO B is locked to receiving the 7.153 signal and I cannot change it with the VFO B knob or manually entering a frequency or switching bands with VFO A and try to change VFO B with A>B

A I have said I have created this 3 times today and get the same results at the same time but other logging programs are working as far as I can tell.

Also a side note, I was concerned whether a new battery would fix any issues, it does not. I installed a brand new battery today with the same results

Again sorry for the detailed procedure but I wrote it step by step for clarity

Thanks

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Dave AA6YQ
Sent: Wednesday, March 14, 2012 1:17 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

There is no CAT command that any transceiver application can send to an Orion that will cause VFO B to behave in the way that John KO4XJ has described.

Neither HRD nor DXBase have the ability to extract a QSX frequency from DX spot notes and with one gesture setup both VFOs for split frequency operation. DXLab does have this ability; there are many Orion owners using DXLab, and none has reported the behavior John reports.

I can think of only two possibilities:

1. Commander is not configured to use Flow Control in its interactions with the Orion, resulting in the Orion's processor being overrun and operating incorrectly; the solution to this is to configure Commander to use Flow Control, as shown in step 4.c of the instructions in

<http://www.dxlabsuite.com/dxlabwiki/TranceiverControlTenTec>

2. The transceiver in question is broken.

73,

Dave, AA6YQ (author, DXLab)

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
Behalf
Of pa1ap
Sent: Wednesday, March 14, 2012 1:59 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Hello John,

Unfortunately I am travelling and cannot install and test DXlabs myself but
I have been peeking into their website. Looks like a very fine product. also
found that there is a function to capture the information exchange between
computer and rig. Its call commander messages
http://www.dxlabsuite.com/commander/MessageCapture.jpg

Would it be possible for you to start the message capture function and than
reproduce the issue you found when clickin on the the function causing the
sub rx to stop working? Hopefully the serial command exchange will be
captured and you can share it with me. That would make it much easier when I
am home end of the week.

Thanks and regards, Onno

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com> , "John
Hudson" <jd_hudson@...> wrote:
>
> I may have this issue narrowed down but here's what I can make it do.
>
>
>
> If I have not logging program running (with cable connected) Both VFO's
> appear to work fine. I cannot make it go bad.
>
>
>
> If I run dxBase and QSY by clicking on a dx spot, both VFO's appear to
work
>
> Same for Ham Radio Deluxe
>
>
>
> But if I load DXLabs. It seems to be fine until I click on to a DX spot. I
> have made this go bad 4 times in a row NO TRANSMISSIONS WERE MADE
>
>
>
> So I'm going to email Dave the author of DXLab and pick his brain
>
>

>
> More to follow and thanks
>
>
>
>
>
> John
>
> KO4XJ
>
>
>
> From: John Hudson [mailto:jd_hudson@...]
> Sent: Tuesday, March 13, 2012 10:41 PM
> To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
<mailto:%27orion565%40yahoogroups.com> '
> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
>
>
> . Catfish. Both vfo's are on the speaker and when I use my
> headphones, almost 10% of the time I have MAIN in left and SUB in right
and
> it's easy to tell when VFO B heads south.
>
>
>
> . Wes.. I ran mine for a few hours this morning w/o a cable
> connecting the PC and not a problem one, but as soon as I connected a
cable
> for the PC control.. VFO B went out.
>
>
>
> Right now I'm really confused on what it does or does not :L So I will
play
> with it more
>
>
>
> It worked fine for a couple of years and now it starts. I just started
> using DXLab but I think this happened before I switched over. I do know
> this, I had a problem with one of my menu screens and even with 3.030 and
> using Logger32 I get that screen again (MENU-SSB), it's grabled.
>
>
>
> As soon as the battery gets here, it's going in $9 from TT, hope it's here
> Thurs or Fri

>
>
>
> . Bob, if the battery does not change anything or I can't find a
> solution I'll send it back. But Paul never mentioned that but others have
>
>
>
>
>
>
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>] On
Behalf
> Of Wes Attaway (N5WA)
> Sent: Tuesday, March 13, 2012 9:21 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
>
>
>
>
> OK Tom .. I have thought of that but I don't have any other "low battery"
> symptoms that I know of and the problem has been the same almost from the
> point of purchasing the radio brand new back when TenTec first released it
> Nevertheless, I'll keep the low battery idea in mind..
>
> ----------------- Wes Attaway (N5WA) -------------------
> 1138 Waters Edge Circle, Shreveport, LA 71106
> 318-797-4972 (Office) - 318-393-3289 (Cell)
> Computer Consulting and Forensics
> -------------- EnCase Certified Examiner ---------------
>
> _____
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of catfishtwo@... <mailto:catfishtwo%40aol.com>
> Sent: Tuesday, March 13, 2012 9:14 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
> that turn it off and turn it back on fix is what I had here recently when
> my memory battery went out. easy to replace, remove top and bottom
> cases and loosen the front panel , it only goes in 1 way too. all kinds of

> weird problems , but a new battery fixed it. And fairly cheap too.. tom
> N6AJR
>
> In a message dated 3/13/2012 6:54:23 P.M. Pacific Daylight Time,
> wesattaway@... <mailto:wesattaway%40bellsouth.net>
> <mailto:wesattaway%40bellsouth.net> writes:
>
> This VFO-B problem is beginning to sound like something that has a number
> of
> different causes because different people seem to have found different
> reasons for it to occur and different ways to stop it. Either that or we
> have inaccurate reporting, but some of the reports are fairly detailed.
>
> In my case, I have had the VFO-B non-receive problem with or without the
> logging software (DX4Win and microKeyer II) running and with or without
> ever
> transmitting. I have zero RFI in the shack, with a TV set, computers and
> other electronic gadgets sitting within two feet of the radio and showing
> zero ill effects. I do not run an amp. I doubt that in my case RFI is the
> problem.
>
> For me, the cure is always the same ...Just turn the radio off and then
> turn
> it back on. Once I do this everything is normal (tending to rule out
> RFI),
> including hearing signals on VFO-B. The radio never misses a beat and all
> frequency settings, filter settings, etc, stay the same between the
> on-off-on cycles. My VFO-B non-receive problem is infrequent but I have
> never had it reoccur during the same operating session after going through
> the off-on cycle. I don't actually know how often the VFO-B problem occurs
> because the only time I use VFO-B is if I need to use "split" for DX and
> even then I don't always listen on VFO-B. The transmit function works on
> VFO-B even if the RX function is not working.
>
> For the record, I am using the latest firmware and there was no change in
> the VFO-B problem as I went through various upgrades over the years. It is
> exactly the same problem now as it was several years ago.
>
> All this makes me think that in my case the synthesizer explanation makes
> the most sense although I don't know why the off-on cycling "fixes" it for
> an entire operating session that may last for several days if I leave the
> radio on that long.

>
> Over ...
>
> ----------------- Wes Attaway (N5WA) -------------------
> 1138 Waters Edge Circle, Shreveport, LA 71106
> 318-797-4972 (Office) - 318-393-3289 (Cell)
> Computer Consulting and Forensics
> -------------- EnCase Certified Examiner ---------------
>
> _____
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of catfishtwo@... <mailto:catfishtwo%40aol.com>
> <mailto:catfishtwo%40aol.com>
> Sent: Tuesday, March 13, 2012 6:55 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
> I had a problem getting my VFO B to make any audio, until my friend told
> me
> to go into the audio menu and turn on the sub receivers audio (speaker
> "both") its much better now. and yes I did a reset and cleared all
> functions
>
> and forgot to turn it back on. I love the current version 3.30 tom N6AJR
>
> In a message dated 3/13/2012 4:33:10 P.M. Pacific Daylight Time,
> w2wg@... <mailto:w2wg%40comcast.net> <mailto:w2wg%40comcast.net>
> <mailto:w2wg%40comcast.net>
> writes:
>
> When my 565 was having bizarre VFO-B issues--basically the sub receiver
> was
> operational but could not be tuned-- Paul suspected the same thing. At the
> time he had a theory that connecting a computer to the Orion could cause
> VFO
> B lockup even if you never transmitted. I commented to him that if you
> couldn't connect a PC to the rig it wasn't of much use to me. Fortunately
> on an eventual return to TT he found it was a "synthesizer out of spec"

> problem--very painful to find.
>
> 73
>
> Bob W2WG
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of John Hudson
> Sent: Tuesday, March 13, 2012 5:13 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
> GOT ANOTHER QUESTION
>
> Has anyone ever had RFI problems effect their rigs?? Sounds funny but Paul
> from TT answered an email about my VFO B issue and wanted to know if I
> would
> try it with a logging program connected. I disconnected the cable from the
> PC to the rig and operated "old school" no logging program and it ran for
> hours today with no illeffects. I did not do a lot of QSO's but I did do
> tests on several bands using the amp and all ok
>
> I then connected the cable and loaded up DXLab, my current log choice, and
> at the onset both VFO's were ok. I got brave and decided to try a contact
> on
> 17m with the amp, BAM, VFO B is back to being locked in a some freq but
> the
> display can be changed. I'm not too sure if it went south as I changed
> bands
> to 17m but it was after making the contact, which was simplex BTW. My
cable
> is a home made cable but it's been in use for over a few years, last year
I
> added signal lines for my STEPPIR controller. I know it does it with
DXLabs
> and Logger32. I have DXbase and HRD also and will try it with them

>
> Also on my power switch, the new switch does not power the rig down, Paul
> says "Turn on problem: Probably a problem with the turn on circuit on the
> back panel board, sounds like a leaky transistor."
>
> Thanks in advance
>
> John
>
> KO4XJ
>
> BTW Still waiting on the TT battery and hope it's the magic fix
>
> From: John Hudson [mailto:jd_hudson@...
<mailto:[mailto:jd_hudson@...%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%2
0%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%20%0b%3e%20%3cmailto:jd_hudso
n%40comcast.net%3e%20%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%20]>
> <mailto:jd_hudson%40comcast.net>
> <mailto:jd_hudson%40comcast.net>
> <mailto:jd_hudson%40comcast.net>
> <mailto:jd_hudson%40comcast.net>]
> Sent: Monday, March 12, 2012 8:24 AM
> To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
<mailto:%27orion565%40yahoogroups.com>
<mailto:%27orion565%40yahoogroups.com>
> <mailto:%27orion565%40yahoogroups.com>
> <mailto:%27orion565%40yahoogroups.com>
> <mailto:%27orion565%40yahoogroups.com> '
> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
> An additional "FIND" with my VFO B issue.. What I found over the weekend
is
> that VFO B does hear.. but on a reboot it hears on 14.035, the default
> frequency after a master reboot. No matter what band I tune to or tuning
> the
> VFO knob it's listening to 14.035. It just seemed like it was hearing
> nothing but I kept hearing a CW signal when I was in the phone band and
> finally found it. NOW the other scenario.. If I do a reset and the VFO B
> does work it's all good until it goes bad ;) then what ever frequency is
in
> VFO B is stuck there. Example if I was working RTTY split and VFO B
decides
> to stop working properly, that's the signal I keep hearing in VFO B. Again
> no change when I change bands or manually enter a frequency. I've gone
back
> and put 2.063x and 2.062a in and the same issue. I cannot determine if
> there is any thing I'm doing to make this happen but running DXLab, FLDIGI
> and FLDIGI bridge, N8LP VCP on a XP PC .
>
> Again others suggested a weak battery can cause strange issues but one was

> ordered Friday from TT but will not ship until today so I'll wait for that
> and see. I'll be replacing a bad power switch (rig won't power off with
> switch) and checking all the jumper cable connections when I get the
> covers
> off
>
> If no fix is found..it's headed to TT HQ
>
> Thanks
>
> John
>
> KO4XJ
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
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> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of ko4xj
> Sent: Thursday, March 08, 2012 11:22 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] VFO B loses signals Orion1
>
> My B VFO all of a sudden stopped hearing signals. There's noise but no
> signals. I can find a signal with VFO A but not with VFO B. This started
> here recently. Most times I have to do a MASTER RESET and I can start to
> hear signals but I lose them after a short period.
>
> I read in a 2005 post of maybe some DSP issues?? Using ver 3.030
>
> Will reload with a older version tomorrow and see what happens
>
> Thanks
> John
> KO4XJ
>

> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
> ------------------------------------
>
> Yahoo! Groups Links
>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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> ------------------------------------
>
> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

8054. RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-15 05:59:01 UTC
From: Dave AA6YQ
Topic: 7992 Message: 8054

John, the screenshots you sent me confirms that you have Commander properly configured for flow control, thereby ruling out one of the two possible explanations for the behavior you've been reporting.

The remaining explanation is "your Orion is broken".

Bob W2WG's report of a "synthesizer out of tolerance" problem in

<http://groups.yahoo.com/group/orion565/message/8052>

seems to explain what you're seeing.

The diagnostic log you sent me contained no errors or indications of malfunction.

73,

Dave, AA6YQ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John Hudson
Sent: Thursday, March 15, 2012 12:32 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Let me go through a very detailed scenario of what I have done three times today with each time the same results at the same time. Plus I'm going to send you the error log list and see if you can see when it happens or anything out of the ordinary. Also, I have used two other logging/rig control softwares that did not have any problems (except 1 menu screen in L32 that is garbled)..Sorry for the long post folks

I started with a freshly rebooted PC and a MASTER RESET (Battery Failure) and another MASTER RESET (Main RX/TX reset)

1. PC rebooted

2. Orion MASTER RESET (battery failure)

3. RX-366 INSTALLED (NO)

4. Orion Boots up

5. 2nd MASTER RESET (Main RX/TX reset)

a. CLEAR MEMORIES (YES)

b. RESET OPTIONAL FILTER (YES)

c. RX-366 INSTALLED (NO)

6. Orion Boots up

a. VFO A=14.250

b. VFO B=14.035

7. LOAD DXLAB (with new error log)

After DXLab loads and 20m is dead tonight (0330 GMT)

8. VFO A=Manually enter 7.200 then tuned to a signal on 7.154

9. VFO B= Manually entered 7.000 tuned to 7.007.6 cw signal

a. BOTH VFO's WORKING OK AT THIS TIME

10. VFO A=Switched to 80m then tuned to 3.539.5 CW signal

11. VFO B=Manually enter 10.100 and tuned to 10.115.5 CW signal

a. BOTH VFO's WORKING OK AT THIS TIME

12. VFO A=Switched to 180m and tuned to 1.828.6 CW signal

13. VFO B=Manually entered 7.150 and tuned to 7.153

At this time both VFO's are working as they are suppose to. Both receive independent signals and each VFO's frequency can be changed ok

14. I double clicked on SPOT COLLECTOR 3.795.10 VFO A changes to 3.795.1 but now VFO B is locked to receiving the 7.153 signal and I cannot change it with the VFO B knob or manually entering a frequency or switching bands with VFO A and try to change VFO B with A>B

A I have said I have created this 3 times today and get the same results at the same time but other logging programs are working as far as I can tell.

Also a side note, I was concerned whether a new battery would fix any issues, it does not. I installed a brand new battery today with the same results

Again sorry for the detailed procedure but I wrote it step by step for clarity

Thanks

John

KO4XJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
Of Dave AA6YQ

Sent: Wednesday, March 14, 2012 1:17 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

There is no CAT command that any transceiver application can send to an Orion that will cause VFO B to behave in the way that John KO4XJ has described.

Neither HRD nor DXBase have the ability to extract a QSX frequency from DX spot notes and with one gesture setup both VFOs for split frequency operation. DXLab does have this ability; there are many Orion owners using DXLab, and none has reported the behavior John reports.

I can think of only two possibilities:

1. Commander is not configured to use Flow Control in its interactions with the Orion, resulting in the Orion's processor being overrun and operating incorrectly; the solution to this is to configure Commander to use Flow Control, as shown in step 4.c of the instructions in

<http://www.dxlabsuite.com/dxlabwiki/TranceiverControlTenTec>

2. The transceiver in question is broken.

73,

Dave, AA6YQ (author, DXLab)

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>] On
Behalf
Of pa1ap
Sent: Wednesday, March 14, 2012 1:59 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
Subject: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Hello John,

Unfortunately I am travelling and cannot install and test DXlabs myself but I have been peeking into their website. Looks like a very fine product. also found that there is a function to capture the information exchange between computer and rig. Its call commander messages
http://www.dxlabsuite.com/commander/MessageCapture.jpg

Would it be possible for you to start the message capture function and than reproduce the issue you found when clickin on the the function causing the sub rx to stop working? Hopefully the serial command exchange will be captured and you can share it with me. That would make it much easier when I am home end of the week.

Thanks and regards, Onno

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com> , "John
Hudson" <jd_hudson@...> wrote:
>
> I may have this issue narrowed down but here's what I can make it do.
>
>
>
> If I have not logging program running (with cable connected) Both VFO's
> appear to work fine. I cannot make it go bad.
>
>
>
> If I run dxBase and QSY by clicking on a dx spot, both VFO's appear to
work
>
> Same for Ham Radio Deluxe
>
>
>
> But if I load DXLabs. It seems to be fine until I click on to a DX spot. I
> have made this go bad 4 times in a row NO TRANSMISSIONS WERE MADE
>
>
>
> So I'm going to email Dave the author of DXLab and pick his brain
>
>
>
> More to follow and thanks
>
>
>
>
>
> John
>
> KO4XJ
>
>
>
> From: John Hudson [mailto:jd_hudson@...]
> Sent: Tuesday, March 13, 2012 10:41 PM
> To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
<mailto:%27orion565%40yahoogroups.com>
<mailto:%27orion565%40yahoogroups.com> '
> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>

>
>
> . Catfish. Both vfo's are on the speaker and when I use my
> headphones, almost 10% of the time I have MAIN in left and SUB in right
and
> it's easy to tell when VFO B heads south.
>
>
>
> . Wes.. I ran mine for a few hours this morning w/o a cable
> connecting the PC and not a problem one, but as soon as I connected a
cable
> for the PC control.. VFO B went out.
>
>
>
> Right now I'm really confused on what it does or does not :L So I will
play
> with it more
>
>
>
> It worked fine for a couple of years and now it starts. I just started
> using DXLab but I think this happened before I switched over. I do know
> this, I had a problem with one of my menu screens and even with 3.030 and
> using Logger32 I get that screen again (MENU-SSB), it's grabled.
>
>
>
> As soon as the battery gets here, it's going in $9 from TT, hope it's here
> Thurs or Fri
>
>
>
> . Bob, if the battery does not change anything or I can't find a
> solution I'll send it back. But Paul never mentioned that but others have
>
>
>
>
>
>
>
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>] On
Behalf

> Of Wes Attaway (N5WA)
> Sent: Tuesday, March 13, 2012 9:21 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
>
>
>
>
> OK Tom .. I have thought of that but I don't have any other "low battery"
> symptoms that I know of and the problem has been the same almost from the
> point of purchasing the radio brand new back when TenTec first released it
> Nevertheless, I'll keep the low battery idea in mind..
>
> ----------------- Wes Attaway (N5WA) -------------------
> 1138 Waters Edge Circle, Shreveport, LA 71106
> 318-797-4972 (Office) - 318-393-3289 (Cell)
> Computer Consulting and Forensics
> -------------- EnCase Certified Examiner ---------------
>
> _____
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
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> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of catfishtwo@... <mailto:catfishtwo%40aol.com>
> Sent: Tuesday, March 13, 2012 9:14 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
> that turn it off and turn it back on fix is what I had here recently when
> my memory battery went out. easy to replace, remove top and bottom
> cases and loosen the front panel , it only goes in 1 way too. all kinds of

> weird problems , but a new battery fixed it. And fairly cheap too.. tom
> N6AJR
>
> In a message dated 3/13/2012 6:54:23 P.M. Pacific Daylight Time,
> wesattaway@... <mailto:wesattaway%40bellsouth.net>

> <mailto:wesattaway%40bellsouth.net> writes:
>
> This VFO-B problem is beginning to sound like something that has a number
> of
> different causes because different people seem to have found different
> reasons for it to occur and different ways to stop it. Either that or we
> have inaccurate reporting, but some of the reports are fairly detailed.
>
> In my case, I have had the VFO-B non-receive problem with or without the
> logging software (DX4Win and microKeyer II) running and with or without
> ever
> transmitting. I have zero RFI in the shack, with a TV set, computers and
> other electronic gadgets sitting within two feet of the radio and showing
> zero ill effects. I do not run an amp. I doubt that in my case RFI is the
> problem.
>
> For me, the cure is always the same ...Just turn the radio off and then
> turn
> it back on. Once I do this everything is normal (tending to rule out
> RFI),
> including hearing signals on VFO-B. The radio never misses a beat and all
> frequency settings, filter settings, etc, stay the same between the
> on-off-on cycles. My VFO-B non-receive problem is infrequent but I have
> never had it reoccur during the same operating session after going through
> the off-on cycle. I don't actually know how often the VFO-B problem occurs
> because the only time I use VFO-B is if I need to use "split" for DX and
> even then I don't always listen on VFO-B. The transmit function works on
> VFO-B even if the RX function is not working.
>
> For the record, I am using the latest firmware and there was no change in
> the VFO-B problem as I went through various upgrades over the years. It is
> exactly the same problem now as it was several years ago.
>
> All this makes me think that in my case the synthesizer explanation makes
> the most sense although I don't know why the off-on cycling "fixes" it for
> an entire operating session that may last for several days if I leave the
> radio on that long.
>
> Over ...
>
> ----------------- Wes Attaway (N5WA) -------------------
> 1138 Waters Edge Circle, Shreveport, LA 71106
> 318-797-4972 (Office) - 318-393-3289 (Cell)
> Computer Consulting and Forensics
> -------------- EnCase Certified Examiner ---------------
>
> _____
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>

<mailto:orion565%40yahoogroups.com>
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<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of catfishtwo@... <mailto:catfishtwo%40aol.com>
> <mailto:catfishtwo%40aol.com>
> Sent: Tuesday, March 13, 2012 6:55 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
> I had a problem getting my VFO B to make any audio, until my friend told
> me
> to go into the audio menu and turn on the sub receivers audio (speaker
> "both") its much better now. and yes I did a reset and cleared all
> functions
>
> and forgot to turn it back on. I love the current version 3.30 tom N6AJR
>
> In a message dated 3/13/2012 4:33:10 P.M. Pacific Daylight Time,
> w2wg@... <mailto:w2wg%40comcast.net> <mailto:w2wg%40comcast.net>
> <mailto:w2wg%40comcast.net>
> writes:
>
> When my 565 was having bizarre VFO-B issues--basically the sub receiver
> was
> operational but could not be tuned-- Paul suspected the same thing. At the
> time he had a theory that connecting a computer to the Orion could cause
> VFO
> B lockup even if you never transmitted. I commented to him that if you
> couldn't connect a PC to the rig it wasn't of much use to me. Fortunately
> on an eventual return to TT he found it was a "synthesizer out of spec"
> problem--very painful to find.
>
> 73
>
> Bob W2WG
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>

> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of John Hudson
> Sent: Tuesday, March 13, 2012 5:13 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
> GOT ANOTHER QUESTION
>
> Has anyone ever had RFI problems effect their rigs?? Sounds funny but Paul
> from TT answered an email about my VFO B issue and wanted to know if I
> would
> try it with a logging program connected. I disconnected the cable from the
> PC to the rig and operated "old school" no logging program and it ran for
> hours today with no illeffects. I did not do a lot of QSO's but I did do
> tests on several bands using the amp and all ok
>
> I then connected the cable and loaded up DXLab, my current log choice, and
> at the onset both VFO's were ok. I got brave and decided to try a contact
> on
> 17m with the amp, BAM, VFO B is back to being locked in a some freq but
> the
> display can be changed. I'm not too sure if it went south as I changed
> bands
> to 17m but it was after making the contact, which was simplex BTW. My
cable
> is a home made cable but it's been in use for over a few years, last year
I
> added signal lines for my STEPPIR controller. I know it does it with
DXLabs
> and Logger32. I have DXbase and HRD also and will try it with them
>
> Also on my power switch, the new switch does not power the rig down, Paul
> says "Turn on problem: Probably a problem with the turn on circuit on the
> back panel board, sounds like a leaky transistor."
>
> Thanks in advance
>

> John
>
> KO4XJ
>
> BTW Still waiting on the TT battery and hope it's the magic fix
>
> From: John Hudson [mailto:jd_hudson@...
<mailto:[mailto:jd_hudson@...%0b%3cmailto:[mailto:jd_hudson@...%0b%3e%20%3cm
ailto:jd_hudson%40comcast.net%3e%252%0b0%0b%3e%20%3cmailto:jd_hudson%40comca
st.net%3e%20%0b%3e%20%3cmailto:jd_hudso%0bn%40comcast.net%3e%20%0b%3e%20%3cm
ailto:jd_hudson%40comcast.net%3e%20]>
<mailto:[mailto:jd_hudson@...%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%2
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n%40comcast.net%3e%20%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%20]>
> <mailto:jd_hudson%40comcast.net>
> <mailto:jd_hudson%40comcast.net>
> <mailto:jd_hudson%40comcast.net>
> <mailto:jd_hudson%40comcast.net>]
> Sent: Monday, March 12, 2012 8:24 AM
> To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
<mailto:%27orion565%40yahoogroups.com>
<mailto:%27orion565%40yahoogroups.com>
<mailto:%27orion565%40yahoogroups.com>
> <mailto:%27orion565%40yahoogroups.com>
> <mailto:%27orion565%40yahoogroups.com>
> <mailto:%27orion565%40yahoogroups.com> '
> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
> An additional "FIND" with my VFO B issue.. What I found over the weekend
is
> that VFO B does hear.. but on a reboot it hears on 14.035, the default
> frequency after a master reboot. No matter what band I tune to or tuning
> the
> VFO knob it's listening to 14.035. It just seemed like it was hearing
> nothing but I kept hearing a CW signal when I was in the phone band and
> finally found it. NOW the other scenario.. If I do a reset and the VFO B
> does work it's all good until it goes bad ;) then what ever frequency is
in
> VFO B is stuck there. Example if I was working RTTY split and VFO B
decides
> to stop working properly, that's the signal I keep hearing in VFO B. Again
> no change when I change bands or manually enter a frequency. I've gone
back
> and put 2.063x and 2.062a in and the same issue. I cannot determine if
> there is any thing I'm doing to make this happen but running DXLab, FLDIGI
> and FLDIGI bridge, N8LP VCP on a XP PC .
>
> Again others suggested a weak battery can cause strange issues but one was
> ordered Friday from TT but will not ship until today so I'll wait for that
> and see. I'll be replacing a bad power switch (rig won't power off with

> switch) and checking all the jumper cable connections when I get the
> covers
> off
>
> If no fix is found..it's headed to TT HQ
>
> Thanks
>
> John
>
> KO4XJ
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
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> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of ko4xj
> Sent: Thursday, March 08, 2012 11:22 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] VFO B loses signals Orion1
>
> My B VFO all of a sudden stopped hearing signals. There's noise but no
> signals. I can find a signal with VFO A but not with VFO B. This started
> here recently. Most times I have to do a MASTER RESET and I can start to
> hear signals but I lose them after a short period.
>
> I read in a 2005 post of maybe some DSP issues?? Using ver 3.030
>
> Will reload with a older version tomorrow and see what happens
>
> Thanks
> John
> KO4XJ

>
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> Yahoo! Groups Links
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> Yahoo! Groups Links
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8055. Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-15 06:09:38 UTC
From: dhbernstein
Topic: 7992 Message: 8055

>>>AA6YQ comments below

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:

I leave it up to John to decide what to do. Not sure whats wrong with offering support and performing root caus analysis to collect facts.

>>>There's nothing wrong doing that from my perspective.

73,

Dave, AA6YQ

8056. Band data output for ALS-1300 amp?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-16 12:25:30 UTC
From: George
Topic: 8056 Message: 8056

Anyone make a band data output converter that would control the band changes
for my Orion-2 to work with my Ameritron ALS-1300 amp?
I note that my Icom IC-7600 sends various voltages for the band data output
that is used to convert to band changes that interface to my ALS-1300.
Ten Tec apparently uses pins that go high for the various band selected on
the rear band data connector pins.
Thanks.

George W2YJ

8057. RE: [orion565] Band data output for ALS-1300 amp?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-16 12:37:22 UTC
From: Andrew B. Steen
Topic: 8056 Message: 8057

Hi George.

I just finished building and stuffing the board for such a beast.

Contact me offline for a chat. It is not too difficult.

I'm good in QRZ.

73,

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of George
Sent: Friday, March 16, 2012 5:26 AM
To: orion565@yahoogroups.com
Subject: [orion565] Band data output for ALS-1300 amp?

Anyone make a band data output converter that would control the band changes for my Orion-2 to work with my Ameritron ALS-1300 amp?
I note that my Icom IC-7600 sends various voltages for the band data output that is used to convert to band changes that interface to my ALS-1300.
Ten Tec apparently uses pins that go high for the various band selected on the rear band data connector pins.
Thanks.

George W2YJ

[Non-text portions of this message have been removed]

8058. Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-16 21:19:22 UTC
From: pa1ap
Topic: 7992 Message: 8058

Hello John,

I might have been able to reproduce it.

When the orion just works (both main and sub);

1- if you look at the VFO matrix (to left of lcd screen) you see two columns with three buttons each. One (on the left) is for VFO A and the other (on the right) is for VFO B... Which button of the VFO B column has led turned on? I would expect the bottom button LED to be turned on.. (indicating VFO B is assigned to sub rx)

When you have the problem could you check the following;

2- if you look at the VFO matrix (to left of lcd screen) you see two columns with three buttons each. One (on the left) is for VFO A and the other (on the right) is for VFO B... Which button of the VFO B column has led turned on?

Best regards, Onno

--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
>
> Let me go through a very detailed scenario of what I have done three times
> today with each time the same results at the same time. Plus I'm going to
> send you the error log list and see if you can see when it happens or
> anything out of the ordinary. Also, I have used two other logging/rig
> control softwares that did not have any problems (except 1 menu screen in
> L32 that is garbled)..Sorry for the long post folks
>
>
>
> I started with a freshly rebooted PC and a MASTER RESET (Battery Failure)
> and another MASTER RESET (Main RX/TX reset)
>
> 1. PC rebooted
>
> 2. Orion MASTER RESET (battery failure)
>
> 3. RX-366 INSTALLED (NO)
>
> 4. Orion Boots up
>
> 5. 2nd MASTER RESET (Main RX/TX reset)
>
> a. CLEAR MEMORIES (YES)
>
> b. RESET OPTIONAL FILTER (YES)
>

> c. RX-366 INSTALLED (NO)
>
> 6. Orion Boots up
>
> a. VFO A=14.250
>
> b. VFO B=14.035
>
> 7. LOAD DXLAB (with new error log)
>
>
>
> After DXLab loads and 20m is dead tonight (0330 GMT)
>
> 8. VFO A=Manually enter 7.200 then tuned to a signal on 7.154
>
> 9. VFO B= Manually entered 7.000 tuned to 7.007.6 cw signal
>
> a. BOTH VFO's WORKING OK AT THIS TIME
>
> 10. VFO A=Switched to 80m then tuned to 3.539.5 CW signal
>
> 11. VFO B=Manually enter 10.100 and tuned to 10.115.5 CW signal
>
> a. BOTH VFO's WORKING OK AT THIS TIME
>
> 12. VFO A=Switched to 180m and tuned to 1.828.6 CW signal
>
> 13. VFO B=Manually entered 7.150 and tuned to 7.153
>
> At this time both VFO's are working as they are suppose to. Both receive
> independent signals and each VFO's frequency can be changed ok
>
>
>
> 14. I double clicked on SPOT COLLECTOR 3.795.10 VFO A changes to 3.795.1
> but now VFO B is locked to receiving the 7.153 signal and I cannot change
> it with the VFO B knob or manually entering a frequency or switching bands
> with VFO A and try to change VFO B with A>B
>
>
>
> A I have said I have created this 3 times today and get the same results at
> the same time but other logging programs are working as far as I can tell.
>
>
>
> Also a side note, I was concerned whether a new battery would fix any
> issues, it does not. I installed a brand new battery today with the same
> results

>
>
>
> Again sorry for the detailed procedure but I wrote it step by step for
> clarity
>
>
>
> Thanks
>
> John
>
> KO4XJ
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Dave AA6YQ
> Sent: Wednesday, March 14, 2012 1:17 PM
> To: orion565@yahoogroups.com
> Subject: RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM
>
>
>
>
>
>
> There is no CAT command that any transceiver application can send to an
> Orion that will cause VFO B to behave in the way that John KO4XJ has
> described.
>
> Neither HRD nor DXBase have the ability to extract a QSX frequency from DX
> spot notes and with one gesture setup both VFOs for split frequency
> operation. DXLab does have this ability; there are many Orion owners using
> DXLab, and none has reported the behavior John reports.
>
> I can think of only two possibilities:
>
> 1. Commander is not configured to use Flow Control in its interactions
> with the Orion, resulting in the Orion's processor being overrun and
> operating incorrectly; the solution to this is to configure Commander to use
> Flow Control, as shown in step 4.c of the instructions in
>
> <http://www.dxlabsuite.com/dxlabwiki/TranceiverControlTenTec>
>
> 2. The transceiver in question is broken.
>
> 73,
>
> Dave, AA6YQ (author, DXLab)
>

> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of pa1ap
> Sent: Wednesday, March 14, 2012 1:59 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM
>
> Hello John,
>
> Unfortunately I am travelling and cannot install and test DXlabs myself but
> I have been peeking into their website. Looks like a very fine product. also
> found that there is a function to capture the information exchange between
> computer and rig. Its call commander messages
> http://www.dxlabsuite.com/commander/MessageCapture.jpg
>
> Would it be possible for you to start the message capture function and than
> reproduce the issue you found when clickin on the the function causing the
> sub rx to stop working? Hopefully the serial command exchange will be
> captured and you can share it with me. That would make it much easier when I
> am home end of the week.
>
> Thanks and regards, Onno
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com> , "John
> Hudson" <jd_hudson@> wrote:
> >
> > I may have this issue narrowed down but here's what I can make it do.
> >
> >
> >
> > If I have not logging program running (with cable connected) Both VFO's
> > appear to work fine. I cannot make it go bad.
> >
> >
> >
> > If I run dxBase and QSY by clicking on a dx spot, both VFO's appear to
> work
> >
> > Same for Ham Radio Deluxe
> >
> >
> >
> > But if I load DXLabs. It seems to be fine until I click on to a DX spot. I
> > have made this go bad 4 times in a row NO TRANSMISSIONS WERE MADE
> >
> >
> >
> > So I'm going to email Dave the author of DXLab and pick his brain

> >
> >
> >
> > More to follow and thanks
> >
> >
> >
> >
> >
> > John
> >
> > KO4XJ
> >
> >
> >
> > From: John Hudson [mailto:jd_hudson@]
> > Sent: Tuesday, March 13, 2012 10:41 PM
> > To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
> <mailto:%27orion565%40yahoogroups.com> '
> > Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> >
> >
> >
> > . Catfish. Both vfo's are on the speaker and when I use my
> > headphones, almost 10% of the time I have MAIN in left and SUB in right
> and
> > it's easy to tell when VFO B heads south.
> >
> >
> >
> > . Wes.. I ran mine for a few hours this morning w/o a cable
> > connecting the PC and not a problem one, but as soon as I connected a
> cable
> > for the PC control.. VFO B went out.
> >
> >
> >
> > Right now I'm really confused on what it does or does not :L So I will
> play
> > with it more
> >
> >
> >
> > It worked fine for a couple of years and now it starts. I just started
> > using DXLab but I think this happened before I switched over. I do know
> > this, I had a problem with one of my menu screens and even with 3.030 and
> > using Logger32 I get that screen again (MENU-SSB), it's grabled.
> >
> >
> >

> > As soon as the battery gets here, it's going in $9 from TT, hope it's here
> > Thurs or Fri
> >
> >
> >
> > . Bob, if the battery does not change anything or I can't find a
> > solution I'll send it back. But Paul never mentioned that but others have
> >
> >
> >
> >
> >
> >
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On
> Behalf
> > Of Wes Attaway (N5WA)
> > Sent: Tuesday, March 13, 2012 9:21 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> >
> >
> >
> >
> >
> > OK Tom .. I have thought of that but I don't have any other "low battery"
> > symptoms that I know of and the problem has been the same almost from the
> > point of purchasing the radio brand new back when TenTec first released it
> > Nevertheless, I'll keep the low battery idea in mind..
> >
> > ----------------- Wes Attaway (N5WA) -------------------
> > 1138 Waters Edge Circle, Shreveport, LA 71106
> > 318-797-4972 (Office) - 318-393-3289 (Cell)
> > Computer Consulting and Forensics
> > -------------- EnCase Certified Examiner ---------------
> >
> > _____
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On
> > Behalf
> > Of catfishtwo@ <mailto:catfishtwo%40aol.com>

> > Sent: Tuesday, March 13, 2012 9:14 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> >
> > that turn it off and turn it back on fix is what I had here recently when
> > my memory battery went out. easy to replace, remove top and bottom
> > cases and loosen the front panel , it only goes in 1 way too. all kinds of
>
> > weird problems , but a new battery fixed it. And fairly cheap too.. tom
> > N6AJR
> >
> > In a message dated 3/13/2012 6:54:23 P.M. Pacific Daylight Time,
> > wesattaway@ <mailto:wesattaway%40bellsouth.net>
> > <mailto:wesattaway%40bellsouth.net> writes:
> >
> > This VFO-B problem is beginning to sound like something that has a number
> > of
> > different causes because different people seem to have found different
> > reasons for it to occur and different ways to stop it. Either that or we
> > have inaccurate reporting, but some of the reports are fairly detailed.
> >
> > In my case, I have had the VFO-B non-receive problem with or without the
> > logging software (DX4Win and microKeyer II) running and with or without
> > ever
> > transmitting. I have zero RFI in the shack, with a TV set, computers and
> > other electronic gadgets sitting within two feet of the radio and showing
> > zero ill effects. I do not run an amp. I doubt that in my case RFI is the
> > problem.
> >
> > For me, the cure is always the same ...Just turn the radio off and then
> > turn
> > it back on. Once I do this everything is normal (tending to rule out
> > RFI),
> > including hearing signals on VFO-B. The radio never misses a beat and all
> > frequency settings, filter settings, etc, stay the same between the
> > on-off-on cycles. My VFO-B non-receive problem is infrequent but I have
> > never had it reoccur during the same operating session after going through
> > the off-on cycle. I don't actually know how often the VFO-B problem occurs
> > because the only time I use VFO-B is if I need to use "split" for DX and
> > even then I don't always listen on VFO-B. The transmit function works on
> > VFO-B even if the RX function is not working.
> >
> > For the record, I am using the latest firmware and there was no change in
> > the VFO-B problem as I went through various upgrades over the years. It is
> > exactly the same problem now as it was several years ago.
> >
> > All this makes me think that in my case the synthesizer explanation makes
> > the most sense although I don't know why the off-on cycling "fixes" it for

> > an entire operating session that may last for several days if I leave the
> > radio on that long.
> >
> > Over ...
> >
> > ----------------- Wes Attaway (N5WA) -------------------
> > 1138 Waters Edge Circle, Shreveport, LA 71106
> > 318-797-4972 (Office) - 318-393-3289 (Cell)
> > Computer Consulting and Forensics
> > -------------- EnCase Certified Examiner ---------------
> >
> > _____
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>] On
> > Behalf
> > Of catfishtwo@ <mailto:catfishtwo%40aol.com>
> > <mailto:catfishtwo%40aol.com>
> > Sent: Tuesday, March 13, 2012 6:55 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> >
> > I had a problem getting my VFO B to make any audio, until my friend told
> > me
> > to go into the audio menu and turn on the sub receivers audio (speaker
> > "both") its much better now. and yes I did a reset and cleared all
> > functions
> >
> > and forgot to turn it back on. I love the current version 3.30 tom N6AJR
> >
> > In a message dated 3/13/2012 4:33:10 P.M. Pacific Daylight Time,
> > w2wg@ <mailto:w2wg%40comcast.net> <mailto:w2wg%40comcast.net>
> > <mailto:w2wg%40comcast.net>
> > writes:
> >
> > When my 565 was having bizarre VFO-B issues--basically the sub receiver
> > was
> > operational but could not be tuned-- Paul suspected the same thing. At the
> > time he had a theory that connecting a computer to the Orion could cause
> > VFO
> > B lockup even if you never transmitted. I commented to him that if you

> > couldn't connect a PC to the rig it wasn't of much use to me. Fortunately
> > on an eventual return to TT he found it was a "synthesizer out of spec"
> > problem--very painful to find.
> >
> > 73
> >
> > Bob W2WG
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>] On
> > Behalf
> > Of John Hudson
> > Sent: Tuesday, March 13, 2012 5:13 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> >
> > GOT ANOTHER QUESTION
> >
> > Has anyone ever had RFI problems effect their rigs?? Sounds funny but Paul
> > from TT answered an email about my VFO B issue and wanted to know if I
> > would
> > try it with a logging program connected. I disconnected the cable from the
> > PC to the rig and operated "old school" no logging program and it ran for
> > hours today with no illeffects. I did not do a lot of QSO's but I did do
> > tests on several bands using the amp and all ok
> >
> > I then connected the cable and loaded up DXLab, my current log choice, and
> > at the onset both VFO's were ok. I got brave and decided to try a contact
> > on
> > 17m with the amp, BAM, VFO B is back to being locked in a some freq but
> > the
> > display can be changed. I'm not too sure if it went south as I changed
> > bands
> > to 17m but it was after making the contact, which was simplex BTW. My
> cable
> > is a home made cable but it's been in use for over a few years, last year
> I
> > added signal lines for my STEPPIR controller. I know it does it with

> DXLabs
> > and Logger32. I have DXbase and HRD also and will try it with them
> >
> > Also on my power switch, the new switch does not power the rig down, Paul
> > says "Turn on problem: Probably a problem with the turn on circuit on the
> > back panel board, sounds like a leaky transistor."
> >
> > Thanks in advance
> >
> > John
> >
> > KO4XJ
> >
> > BTW Still waiting on the TT battery and hope it's the magic fix
> >
> > From: John Hudson [mailto:jd_hudson@
> <mailto:[mailto:jd_hudson@%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%2
> 0%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%20%0b%3e%20%3cmailto:jd_hudso
> n%40comcast.net%3e%20%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%20]>
> > <mailto:jd_hudson%40comcast.net>
> > <mailto:jd_hudson%40comcast.net>
> > <mailto:jd_hudson%40comcast.net>
> > <mailto:jd_hudson%40comcast.net>]
> > Sent: Monday, March 12, 2012 8:24 AM
> > To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
> <mailto:%27orion565%40yahoogroups.com>
> <mailto:%27orion565%40yahoogroups.com>
> > <mailto:%27orion565%40yahoogroups.com>
> > <mailto:%27orion565%40yahoogroups.com>
> > <mailto:%27orion565%40yahoogroups.com> '
> > Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> >
> > An additional "FIND" with my VFO B issue.. What I found over the weekend
> is
> > that VFO B does hear.. but on a reboot it hears on 14.035, the default
> > frequency after a master reboot. No matter what band I tune to or tuning
> > the
> > VFO knob it's listening to 14.035. It just seemed like it was hearing
> > nothing but I kept hearing a CW signal when I was in the phone band and
> > finally found it. NOW the other scenario.. If I do a reset and the VFO B
> > does work it's all good until it goes bad ;) then what ever frequency is
> in
> > VFO B is stuck there. Example if I was working RTTY split and VFO B
> decides
> > to stop working properly, that's the signal I keep hearing in VFO B. Again
> > no change when I change bands or manually enter a frequency. I've gone
> back
> > and put 2.063x and 2.062a in and the same issue. I cannot determine if
> > there is any thing I'm doing to make this happen but running DXLab, FLDIGI
> > and FLDIGI bridge, N8LP VCP on a XP PC .

> >
> > Again others suggested a weak battery can cause strange issues but one was
> > ordered Friday from TT but will not ship until today so I'll wait for that
> > and see. I'll be replacing a bad power switch (rig won't power off with
> > switch) and checking all the jumper cable connections when I get the
> > covers
> > off
> >
> > If no fix is found..it's headed to TT HQ
> >
> > Thanks
> >
> > John
> >
> > KO4XJ
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>] On
> > Behalf
> > Of ko4xj
> > Sent: Thursday, March 08, 2012 11:22 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > Subject: [orion565] VFO B loses signals Orion1
> >
> > My B VFO all of a sudden stopped hearing signals. There's noise but no
> > signals. I can find a signal with VFO A but not with VFO B. This started
> > here recently. Most times I have to do a MASTER RESET and I can start to
> > hear signals but I lose them after a short period.
> >
> > I read in a 2005 post of maybe some DSP issues?? Using ver 3.030
> >
> > Will reload with a older version tomorrow and see what happens
> >
> > Thanks
> > John

> > KO4XJ
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
> >
> > ------------------------------------
> >
> > Yahoo! Groups Links
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
> >
> > ------------------------------------
> >
> > Yahoo! Groups Links
> >
> > [Non-text portions of this message have been removed]
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> > [Non-text portions of this message have been removed]
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> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
>

8059. Hello and LCD replacement FYI

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-16 21:19:31 UTC
From: Doug
Topic: 8059 Message: 8059

Hello, I've been lurking here for 6 weeks or so. Have had my Orion 1 for 5 weeks. I am very pleased with its performance, and Ten Tec's on going support of this radio. I chase weak signal CW and there is nothing that I have used that even comes close to this radio's capabilities.

I purchased my Orion from and older ham in Minnesota. Its a cherry, only issue was when I took it out of the box there was a thumbnail sized blotch on the screen. I had already read of this on the reflector so I wasn't surprised that it was damaged in shipment. Well I lived with this as long as I could and finally ordered the replacement LCD.

Following the V2 mods and PA1AP's excellent file on this I had the LCD swapped in about 20 minutes. Only trouble was on power up my screen was pure blue with no alphanumeric's. Now this is not my first experience taking apart electronics (Please see my bio on QRZ).

After pulling it apart I noticed that the wiring of the small circuit board attached to the ribbon cable of the LCD was different than pictured in PA1AP's LCD replacement PDF. If you look at the file and check the 3rd picture labeled Orientation of the cable you will see that the ribbon cable has a blue stripe on it. It is toward the back of the circuit board. The female connectors are on the other side and mate to the males on the logic board. The one I have has the stripe away from the back of board. If you attach this to the logic board the way you would think it should be attached pin 1 and 14 are swapped and no alphanumeric's. I had to mount mine with the LCD circuit board close to the logic board basically upside down if you like. It sits roughly and 1/8 inch above the logic board. I put electric tape on the board to isolate it from the logic board just in case.
Now I have a nice bright screen and no more blotches. I hope this information helps anyone replacing an LCD in the near future.

vy 73,
Doug N9NX

8060. Re: Hello and LCD replacement FYI

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-16 21:34:23 UTC
From: pa1ap
Topic: 8059 Message: 8060

Hello Doug,

Thats interesting findings and good to know. It would be nice if TT would provide some documentation when they ship the blue replacement screen. Did they?

Second; you might have received a newer version of the lcd screen. Can you share if Blue on white still has the "flicker / jitter" problem or is it not there anymore? The first blue/white screens definitly had this sympthom and i am curious if this got resolved already?

Thanks and best regards,
Onno

--- In orion565@yahoogroups.com, "Doug" <blujkt33@...> wrote:
>
> Hello, I've been lurking here for 6 weeks or so. Have had my Orion 1 for 5 weeks. I am very pleased with its performance, and Ten Tec's on going support of this radio. I chase weak signal CW and there is nothing that I have used that even comes close to this radio's capabilities.
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> I purchased my Orion from and older ham in Minnesota. Its a cherry, only issue was when I took it out of the box there was a thumbnail sized blotch on the screen. I had already read of this on the reflector so I wasn't surprised that it was damaged in shipment. Well I lived with this as long as I could and finally ordered the replacement LCD.
>
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>
> After pulling it apart I noticed that the wiring of the small circuit board attached to the ribbon cable of the LCD was different than pictured in PA1AP's LCD replacement PDF. If you look at the file and check the 3rd picture labeled Orientation of the cable you will see that the ribbon cable has a blue stripe on it. It is toward the back of the circuit board. The female connectors are on the other side and mate to the males on the logic board. The one I have has the stripe away from the back of board. If you attach this to the logic board the way you would think it should be attached pin 1 and 14 are swapped and no alphanumeric's. I had to mount mine with the LCD circuit board close to the logic board basically upside down if you like. It sits roughly and 1/8 inch above the logic board. I put electric tape on the board to isolate it from the logic board just in case.
> Now I have a nice bright screen and no more blotches. I hope this information helps anyone replacing an LCD in the near future.
>
> vy 73,
> Doug N9NX
>

8061. Re: Hello and LCD replacement FYI

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-16 21:56:17 UTC
From: Doug
Topic: 8059 Message: 8061

Hello Onno,

The only documentation was a tiny slip of paper that said do not hook up the -20.5 VDC line. No other instructions of any kind. That did surprise me I thought and was lead to believe that there would be instructions of some sort with the replacement LCD.

To answer your second question I have mine set for blue letters on the white back round and have no flicker or jitter of any kind. Very stable and there seems to be little or no change in contrast. At least I can't see any and my Orion is usually on 12 hours a day or more. Hope that answers your questions.

Regards,
Doug
--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Hello Doug,
>
> Thats interesting findings and good to know. It would be nice if TT would provide some documentation when they ship the blue replacement screen. Did they?
>
> Second; you might have received a newer version of the lcd screen. Can you share if Blue on white still has the "flicker / jitter" problem or is it not there anymore? The first blue/white screens definitly had this sympthom and i am curious if this got resolved already?
>
> Thanks and best regards,
> Onno
>
> --- In orion565@yahoogroups.com, "Doug" <blujkt33@> wrote:
> >
> > Hello, I've been lurking here for 6 weeks or so. Have had my Orion 1 for 5 weeks. I am very pleased with its performance, and Ten Tec's on going support of this radio. I chase weak signal CW and there is nothing that I have used that even comes close to this radio's capabilities.
> >
> > I purchased my Orion from and older ham in Minnesota. Its a cherry, only issue was when I took it out of the box there was a thumbnail sized blotch on the screen. I had already read of this on the reflector so I wasn't surprised that it was damaged in shipment. Well I lived with this as long as I could and finally ordered the replacement LCD.
> >
> > Following the V2 mods and PA1AP's excellent file on this I had the LCD swapped in about 20 minutes. Only trouble was on power up my screen was pure blue with no alphanumeric's. Now this is not my first experience taking apart electronics (Please see my bio on QRZ).
> >
> > After pulling it apart I noticed that the wiring of the small circuit board attached to the ribbon cable of the LCD was different than pictured in PA1AP's LCD replacement PDF. If

you look at the file and check the 3rd picture labeled Orientation of the cable you will see that the ribbon cable has a blue stripe on it. It is toward the back of the circuit board. The female connectors are on the other side and mate to the males on the logic board. The one I have has the stripe away from the back of board. If you attach this to the logic board the way you would think it should be attached pin 1 and 14 are swapped and no alphanumeric's. I had to mount mine with the LCD circuit board close to the logic board basically upside down if you like. It sits roughly and 1/8 inch above the logic board. I put electric tape on the board to isolate it from the logic board just in case.
> > Now I have a nice bright screen and no more blotches. I hope this information helps anyone replacing an LCD in the near future.
> >
> > vy 73,
> > Doug N9NX
> >
>

8062. Re: Hello and LCD replacement FYI

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-16 23:10:39 UTC
From: pa1ap
Topic: 8059 Message: 8062

Thats interesting that the contrast supply is not connected anymore to the screen. I wonder if they have choosen to use the onboard contrast circuit instead... a new hint towards what happening on the previous blue /white screens I guess.

Regards, onno
--- In orion565@yahoogroups.com, "Doug" <blujkt33@...> wrote:
>
> Hello Onno,
>
> The only documentation was a tiny slip of paper that said do not hook up the -20.5 VDC line. No other instructions of any kind. That did surprise me I thought and was lead to believe that there would be instructions of some sort with the replacement LCD.
>
> To answer your second question I have mine set for blue letters on the white back round and have no flicker or jitter of any kind. Very stable and there seems to be little or no change in contrast. At least I can't see any and my Orion is usually on 12 hours a day or more. Hope that answers your questions.
>
> Regards,
> Doug
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Hello Doug,
> >
> > Thats interesting findings and good to know. It would be nice if TT would provide some documentation when they ship the blue replacement screen. Did they?
> >
> > Second; you might have received a newer version of the lcd screen. Can you share if Blue on white still has the "flicker / jitter" problem or is it not there anymore? The first blue/white screens definitly had this sympthom and i am curious if this got resolved already?
> >
> > Thanks and best regards,
> > Onno
> >
> > --- In orion565@yahoogroups.com, "Doug" <blujkt33@> wrote:
> > >
> > > Hello, I've been lurking here for 6 weeks or so. Have had my Orion 1 for 5 weeks. I am very pleased with its performance, and Ten Tec's on going support of this radio. I chase weak signal CW and there is nothing that I have used that even comes close to this radio's capabilities.
> > >
> > > I purchased my Orion from and older ham in Minnesota. Its a cherry, only issue was when I took it out of the box there was a thumbnail sized blotch on the screen. I had already read of this on the reflector so I wasn't surprised that it was damaged in

shipment. Well I lived with this as long as I could and finally ordered the replacement LCD.
> > >
> > > Following the V2 mods and PA1AP's excellent file on this I had the LCD swapped in about 20 minutes. Only trouble was on power up my screen was pure blue with no alphanumeric's. Now this is not my first experience taking apart electronics (Please see my bio on QRZ).
> > >
> > > After pulling it apart I noticed that the wiring of the small circuit board attached to the ribbon cable of the LCD was different than pictured in PA1AP's LCD replacement PDF. If you look at the file and check the 3rd picture labeled Orientation of the cable you will see that the ribbon cable has a blue stripe on it. It is toward the back of the circuit board. The female connectors are on the other side and mate to the males on the logic board. The one I have has the stripe away from the back of board. If you attach this to the logic board the way you would think it should be attached pin 1 and 14 are swapped and no alphanumeric's. I had to mount mine with the LCD circuit board close to the logic board basically upside down if you like. It sits roughly and 1/8 inch above the logic board. I put electric tape on the board to isolate it from the logic board just in case.
> > > Now I have a nice bright screen and no more blotches. I hope this information helps anyone replacing an LCD in the near future.
> > >
> > > vy 73,
> > > Doug N9NX
> > >
> >
>

8063. RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-17 04:03:38 UTC
From: John Hudson
Topic: 7992 Message: 8063

Onno, you are amazing!! I wish I had been more observant to notice the SUB RX was being turned off

Yes when the VFO B goes bad, VFO B SUB RX LED is off. Push the Sub RX button and it's good until the next time I DOUBLE click a DX spot in DXLAB

Again this does not do it in Logger32 or I can't make it.

So do you know what causes this yet? Ten Tec firmware or DXLab software or they just don't like working together L

I really appreciate this a lot

73 and looking forward to hear back

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Friday, March 16, 2012 4:19 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Hello John,

I might have been able to reproduce it.

When the orion just works (both main and sub);

1- if you look at the VFO matrix (to left of lcd screen) you see two columns with three buttons each. One (on the left) is for VFO A and the other (on the right) is for VFO B... Which button of the VFO B column has led turned on? I would expect the bottom button LED to be turned on.. (indicating VFO B is assigned to sub rx)

When you have the problem could you check the following;

2- if you look at the VFO matrix (to left of lcd screen) you see two columns with three buttons each. One (on the left) is for VFO A and the other (on the right) is for VFO B... Which button of the VFO B column has led turned on?

Best regards, Onno

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "John Hudson" <jd_hudson@...> wrote:
>

> Let me go through a very detailed scenario of what I have done three times
> today with each time the same results at the same time. Plus I'm going to
> send you the error log list and see if you can see when it happens or
> anything out of the ordinary. Also, I have used two other logging/rig
> control softwares that did not have any problems (except 1 menu screen in
> L32 that is garbled)..Sorry for the long post folks
>
>
>
> I started with a freshly rebooted PC and a MASTER RESET (Battery Failure)
> and another MASTER RESET (Main RX/TX reset)
>
> 1. PC rebooted
>
> 2. Orion MASTER RESET (battery failure)
>
> 3. RX-366 INSTALLED (NO)
>
> 4. Orion Boots up
>
> 5. 2nd MASTER RESET (Main RX/TX reset)
>
> a. CLEAR MEMORIES (YES)
>
> b. RESET OPTIONAL FILTER (YES)
>
> c. RX-366 INSTALLED (NO)
>
> 6. Orion Boots up
>
> a. VFO A=14.250
>
> b. VFO B=14.035
>
> 7. LOAD DXLAB (with new error log)
>
>
>
> After DXLab loads and 20m is dead tonight (0330 GMT)
>
> 8. VFO A=Manually enter 7.200 then tuned to a signal on 7.154
>
> 9. VFO B= Manually entered 7.000 tuned to 7.007.6 cw signal
>
> a. BOTH VFO's WORKING OK AT THIS TIME
>
> 10. VFO A=Switched to 80m then tuned to 3.539.5 CW signal
>
> 11. VFO B=Manually enter 10.100 and tuned to 10.115.5 CW signal
>

> a. BOTH VFO's WORKING OK AT THIS TIME
>
> 12. VFO A=Switched to 180m and tuned to 1.828.6 CW signal
>
> 13. VFO B=Manually entered 7.150 and tuned to 7.153
>
> At this time both VFO's are working as they are suppose to. Both receive
> independent signals and each VFO's frequency can be changed ok
>
>
>
> 14. I double clicked on SPOT COLLECTOR 3.795.10 VFO A changes to 3.795.1
> but now VFO B is locked to receiving the 7.153 signal and I cannot change
> it with the VFO B knob or manually entering a frequency or switching bands
> with VFO A and try to change VFO B with A>B
>
>
>
> A I have said I have created this 3 times today and get the same results
at
> the same time but other logging programs are working as far as I can tell.
>
>
>
> Also a side note, I was concerned whether a new battery would fix any
> issues, it does not. I installed a brand new battery today with the same
> results
>
>
>
> Again sorry for the detailed procedure but I wrote it step by step for
> clarity
>
>
>
> Thanks
>
> John
>
> KO4XJ
>
>
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
Behalf
> Of Dave AA6YQ
> Sent: Wednesday, March 14, 2012 1:17 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

>
>
>
>
>
> There is no CAT command that any transceiver application can send to an
> Orion that will cause VFO B to behave in the way that John KO4XJ has
> described.
>
> Neither HRD nor DXBase have the ability to extract a QSX frequency from DX
> spot notes and with one gesture setup both VFOs for split frequency
> operation. DXLab does have this ability; there are many Orion owners using
> DXLab, and none has reported the behavior John reports.
>
> I can think of only two possibilities:
>
> 1. Commander is not configured to use Flow Control in its interactions
> with the Orion, resulting in the Orion's processor being overrun and
> operating incorrectly; the solution to this is to configure Commander to
use
> Flow Control, as shown in step 4.c of the instructions in
>
> <http://www.dxlabsuite.com/dxlabwiki/TranceiverControlTenTec>
>
> 2. The transceiver in question is broken.
>
> 73,
>
> Dave, AA6YQ (author, DXLab)
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of pa1ap
> Sent: Wednesday, March 14, 2012 1:59 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> Subject: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM
>
> Hello John,
>
> Unfortunately I am travelling and cannot install and test DXlabs myself
but
> I have been peeking into their website. Looks like a very fine product.
also
> found that there is a function to capture the information exchange between
> computer and rig. Its call commander messages
> http://www.dxlabsuite.com/commander/MessageCapture.jpg

>
> Would it be possible for you to start the message capture function and
than
> reproduce the issue you found when clickin on the the function causing the
> sub rx to stop working? Hopefully the serial command exchange will be
> captured and you can share it with me. That would make it much easier when
I
> am home end of the week.
>
> Thanks and regards, Onno
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com> , "John
> Hudson" <jd_hudson@> wrote:
> >
> > I may have this issue narrowed down but here's what I can make it do.
> >
> >
> >
> > If I have not logging program running (with cable connected) Both VFO's
> > appear to work fine. I cannot make it go bad.
> >
> >
> >
> > If I run dxBase and QSY by clicking on a dx spot, both VFO's appear to
> work
> >
> > Same for Ham Radio Deluxe
> >
> >
> >
> > But if I load DXLabs. It seems to be fine until I click on to a DX spot.
I
> > have made this go bad 4 times in a row NO TRANSMISSIONS WERE MADE
> >
> >
> >
> > So I'm going to email Dave the author of DXLab and pick his brain
> >
> >
> >
> > More to follow and thanks
> >
> >
> >
> >
> >
> > John
> >

> > KO4XJ
> >
> >
> >
> > From: John Hudson [mailto:jd_hudson@]
> > Sent: Tuesday, March 13, 2012 10:41 PM
> > To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
<mailto:%27orion565%40yahoogroups.com>
> <mailto:%27orion565%40yahoogroups.com> '
> > Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> >
> >
> >
> > . Catfish. Both vfo's are on the speaker and when I use my
> > headphones, almost 10% of the time I have MAIN in left and SUB in right
> and
> > it's easy to tell when VFO B heads south.
> >
> >
> >
> > . Wes.. I ran mine for a few hours this morning w/o a cable
> > connecting the PC and not a problem one, but as soon as I connected a
> cable
> > for the PC control.. VFO B went out.
> >
> >
> >
> > Right now I'm really confused on what it does or does not :L So I will
> play
> > with it more
> >
> >
> >
> > It worked fine for a couple of years and now it starts. I just started
> > using DXLab but I think this happened before I switched over. I do know
> > this, I had a problem with one of my menu screens and even with 3.030
and
> > using Logger32 I get that screen again (MENU-SSB), it's grabled.
> >
> >
> >
> > As soon as the battery gets here, it's going in $9 from TT, hope it's
here
> > Thurs or Fri
> >
> >
> >
> > . Bob, if the battery does not change anything or I can't find a
> > solution I'll send it back. But Paul never mentioned that but others
have

> >
> >
> >
> >
> >
> >
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On
> Behalf
> > Of Wes Attaway (N5WA)
> > Sent: Tuesday, March 13, 2012 9:21 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> >
> >
> >
> >
> >
> > OK Tom .. I have thought of that but I don't have any other "low
battery"
> > symptoms that I know of and the problem has been the same almost from
the
> > point of purchasing the radio brand new back when TenTec first released
it
> > Nevertheless, I'll keep the low battery idea in mind..
> >
> > ----------------- Wes Attaway (N5WA) -------------------
> > 1138 Waters Edge Circle, Shreveport, LA 71106
> > 318-797-4972 (Office) - 318-393-3289 (Cell)
> > Computer Consulting and Forensics
> > -------------- EnCase Certified Examiner ---------------
> >
> > _____
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On
> > Behalf

> > Of catfishtwo@ <mailto:catfishtwo%40aol.com>
> > Sent: Tuesday, March 13, 2012 9:14 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> >
> > that turn it off and turn it back on fix is what I had here recently
when
> > my memory battery went out. easy to replace, remove top and bottom
> > cases and loosen the front panel , it only goes in 1 way too. all kinds
of
>
> > weird problems , but a new battery fixed it. And fairly cheap too.. tom
> > N6AJR
> >
> > In a message dated 3/13/2012 6:54:23 P.M. Pacific Daylight Time,
> > wesattaway@ <mailto:wesattaway%40bellsouth.net>
> > <mailto:wesattaway%40bellsouth.net> writes:
> >
> > This VFO-B problem is beginning to sound like something that has a
number
> > of
> > different causes because different people seem to have found different
> > reasons for it to occur and different ways to stop it. Either that or we
> > have inaccurate reporting, but some of the reports are fairly detailed.
> >
> > In my case, I have had the VFO-B non-receive problem with or without the
> > logging software (DX4Win and microKeyer II) running and with or without
> > ever
> > transmitting. I have zero RFI in the shack, with a TV set, computers and
> > other electronic gadgets sitting within two feet of the radio and
showing
> > zero ill effects. I do not run an amp. I doubt that in my case RFI is
the
> > problem.
> >
> > For me, the cure is always the same ...Just turn the radio off and then
> > turn
> > it back on. Once I do this everything is normal (tending to rule out
> > RFI),
> > including hearing signals on VFO-B. The radio never misses a beat and
all
> > frequency settings, filter settings, etc, stay the same between the
> > on-off-on cycles. My VFO-B non-receive problem is infrequent but I have
> > never had it reoccur during the same operating session after going
through
> > the off-on cycle. I don't actually know how often the VFO-B problem
occurs

> > because the only time I use VFO-B is if I need to use "split" for DX and
> > even then I don't always listen on VFO-B. The transmit function works on
> > VFO-B even if the RX function is not working.
> >
> > For the record, I am using the latest firmware and there was no change
in
> > the VFO-B problem as I went through various upgrades over the years. It
is
> > exactly the same problem now as it was several years ago.
> >
> > All this makes me think that in my case the synthesizer explanation
makes
> > the most sense although I don't know why the off-on cycling "fixes" it
for
> > an entire operating session that may last for several days if I leave
the
> > radio on that long.
> >
> > Over ...
> >
> > ----------------- Wes Attaway (N5WA) -------------------
> > 1138 Waters Edge Circle, Shreveport, LA 71106
> > 318-797-4972 (Office) - 318-393-3289 (Cell)
> > Computer Consulting and Forensics
> > -------------- EnCase Certified Examiner ---------------
> >
> > _____
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>] On
> > Behalf
> > Of catfishtwo@ <mailto:catfishtwo%40aol.com>
> > <mailto:catfishtwo%40aol.com>
> > Sent: Tuesday, March 13, 2012 6:55 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> >
> > I had a problem getting my VFO B to make any audio, until my friend told

> > me
> > to go into the audio menu and turn on the sub receivers audio (speaker
> > "both") its much better now. and yes I did a reset and cleared all
> > functions
> >
> > and forgot to turn it back on. I love the current version 3.30 tom N6AJR
> >
> > In a message dated 3/13/2012 4:33:10 P.M. Pacific Daylight Time,
> > w2wg@ <mailto:w2wg%40comcast.net> <mailto:w2wg%40comcast.net>
> > <mailto:w2wg%40comcast.net>
> > writes:
> >
> > When my 565 was having bizarre VFO-B issues--basically the sub receiver
> > was
> > operational but could not be tuned-- Paul suspected the same thing. At
the
> > time he had a theory that connecting a computer to the Orion could cause

> > VFO
> > B lockup even if you never transmitted. I commented to him that if you
> > couldn't connect a PC to the rig it wasn't of much use to me.
Fortunately
> > on an eventual return to TT he found it was a "synthesizer out of spec"
> > problem--very painful to find.
> >
> > 73
> >
> > Bob W2WG
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>] On
> > Behalf
> > Of John Hudson
> > Sent: Tuesday, March 13, 2012 5:13 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM

> >
> > GOT ANOTHER QUESTION
> >
> > Has anyone ever had RFI problems effect their rigs?? Sounds funny but
Paul
> > from TT answered an email about my VFO B issue and wanted to know if I
> > would
> > try it with a logging program connected. I disconnected the cable from
the
> > PC to the rig and operated "old school" no logging program and it ran
for
> > hours today with no illeffects. I did not do a lot of QSO's but I did do
> > tests on several bands using the amp and all ok
> >
> > I then connected the cable and loaded up DXLab, my current log choice,
and
> > at the onset both VFO's were ok. I got brave and decided to try a
contact
> > on
> > 17m with the amp, BAM, VFO B is back to being locked in a some freq but
> > the
> > display can be changed. I'm not too sure if it went south as I changed
> > bands
> > to 17m but it was after making the contact, which was simplex BTW. My
> cable
> > is a home made cable but it's been in use for over a few years, last
year
> I
> > added signal lines for my STEPPIR controller. I know it does it with
> DXLabs
> > and Logger32. I have DXbase and HRD also and will try it with them
> >
> > Also on my power switch, the new switch does not power the rig down,
Paul
> > says "Turn on problem: Probably a problem with the turn on circuit on
the
> > back panel board, sounds like a leaky transistor."
> >
> > Thanks in advance
> >
> > John
> >
> > KO4XJ
> >
> > BTW Still waiting on the TT battery and hope it's the magic fix
> >
> > From: John Hudson [mailto:jd_hudson@
> <mailto:[mailto:jd_hudson@%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%2
>
0%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%20%0b%3e%20%3cmailto:jd_hudso

> n%40comcast.net%3e%20%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%20]>
> > <mailto:jd_hudson%40comcast.net>
> > <mailto:jd_hudson%40comcast.net>
> > <mailto:jd_hudson%40comcast.net>
> > <mailto:jd_hudson%40comcast.net>]
> > Sent: Monday, March 12, 2012 8:24 AM
> > To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
<mailto:%27orion565%40yahoogroups.com>
> <mailto:%27orion565%40yahoogroups.com>
> <mailto:%27orion565%40yahoogroups.com>
> > <mailto:%27orion565%40yahoogroups.com>
> > <mailto:%27orion565%40yahoogroups.com>
> > <mailto:%27orion565%40yahoogroups.com> '
> > Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> >
> > An additional "FIND" with my VFO B issue.. What I found over the weekend
> is
> > that VFO B does hear.. but on a reboot it hears on 14.035, the default
> > frequency after a master reboot. No matter what band I tune to or tuning

> > the
> > VFO knob it's listening to 14.035. It just seemed like it was hearing
> > nothing but I kept hearing a CW signal when I was in the phone band and
> > finally found it. NOW the other scenario.. If I do a reset and the VFO B
> > does work it's all good until it goes bad ;) then what ever frequency is
> in
> > VFO B is stuck there. Example if I was working RTTY split and VFO B
> decides
> > to stop working properly, that's the signal I keep hearing in VFO B.
Again
> > no change when I change bands or manually enter a frequency. I've gone
> back
> > and put 2.063x and 2.062a in and the same issue. I cannot determine if
> > there is any thing I'm doing to make this happen but running DXLab,
FLDIGI
> > and FLDIGI bridge, N8LP VCP on a XP PC .
> >
> > Again others suggested a weak battery can cause strange issues but one
was
> > ordered Friday from TT but will not ship until today so I'll wait for
that
> > and see. I'll be replacing a bad power switch (rig won't power off with
> > switch) and checking all the jumper cable connections when I get the
> > covers
> > off
> >
> > If no fix is found..it's headed to TT HQ
> >
> > Thanks
> >

> > John
> >
> > KO4XJ
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
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> > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>] On
> > Behalf
> > Of ko4xj
> > Sent: Thursday, March 08, 2012 11:22 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > Subject: [orion565] VFO B loses signals Orion1
> >
> > My B VFO all of a sudden stopped hearing signals. There's noise but no
> > signals. I can find a signal with VFO A but not with VFO B. This started
> > here recently. Most times I have to do a MASTER RESET and I can start to
> > hear signals but I lose them after a short period.
> >
> > I read in a 2005 post of maybe some DSP issues?? Using ver 3.030
> >
> > Will reload with a older version tomorrow and see what happens
> >
> > Thanks
> > John
> > KO4XJ
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
> >
> > ------------------------------------
> >
> > Yahoo! Groups Links

> >
> > [Non-text portions of this message have been removed]
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> > ------------------------------------
> >
> > Yahoo! Groups Links
> >
> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

8064. RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-17 04:09:25 UTC
From: Dave AA6YQ
Topic: 7992 Message: 8064

>>>AA6YQ comments below

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John Hudson
Sent: Saturday, March 17, 2012 12:04 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Onno, you are amazing!! I wish I had been more observant to notice the SUB RX was being turned off

Yes when the VFO B goes bad, VFO B SUB RX LED is off. Push the Sub RX button and it's good until the next time I DOUBLE click a DX spot in DXLAB

>>>In the General panel on the General tab of Commander's Configuration window, do you have the

"Accept Dual Receive directives" box checked?

73,

Dave, AA6YQ

[Non-text portions of this message have been removed]

8065. RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-17 04:17:01 UTC
From: John Hudson
Topic: 7992 Message: 8065

ACCEPT DUAL RECEIVE DIRECTIVES is turned off Dave.. and it does the same thing whether it's checked or unchecked - SUB RX turns off on double click

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Dave AA6YQ
Sent: Friday, March 16, 2012 11:09 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

>>>AA6YQ comments below

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
Of John Hudson
Sent: Saturday, March 17, 2012 12:04 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Onno, you are amazing!! I wish I had been more observant to notice the SUB RX was being turned off

Yes when the VFO B goes bad, VFO B SUB RX LED is off. Push the Sub RX button and it's good until the next time I DOUBLE click a DX spot in DXLAB

>>>In the General panel on the General tab of Commander's Configuration window, do you have the

"Accept Dual Receive directives" box checked?

73,

Dave, AA6YQ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8066. RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-17 04:34:07 UTC
From: Dave AA6YQ
Topic: 7992 Message: 8066

>>>AA6YQ comments below

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John Hudson
Sent: Saturday, March 17, 2012 12:17 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

ACCEPT DUAL RECEIVE DIRECTIVES is turned off Dave.. and it does the same thing whether it's checked or unchecked - SUB RX turns off on double click

>>>With "Accept Dual Receive Directives" disabled, Commander sets VFO A to the spot's RX frequency, sets VFO B to the spots TX frequency, and then sends this command:

*KVANB

>>>which means "set the Main receiver to VFO A, leave the Sub receiver unassigned, and set the transmitter to VFO B"

>>>With "Accept Dual Receive Directives" disabled, Commander sets VFO A to the spot's RX frequency, sets VFO B to the spots TX frequency, and then sends this command:

*KVABB

>>>which means "set the Main receiver to VFO A, set the Sub receiver to VFO B, and set the transmitter to VFO B".

>>>So I can see exactly what Commander is sending to your Orion when you double-click a spot for a station operating split,

1. On the General tab of Commander's Configuration window,

a. Check the "Accept Dual Receive Directives" box

b. Check the "Log Debugging Info" box

2. Terminate Commander

3. Start Commander

4. Double-click a Spot Database Entry for a station operating split

5. On the General tab of Commander's Configuration window, uncheck the "Log Debugging Info" box

6. Attach the errorlog.txt file from your Commander folder to an email message, and send it my way

73,

Dave, AA6YQ

John

KO4XJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
Behalf
Of Dave AA6YQ
Sent: Friday, March 16, 2012 11:09 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

>>>AA6YQ comments below

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>] On
Behalf
Of John Hudson
Sent: Saturday, March 17, 2012 12:04 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Onno, you are amazing!! I wish I had been more observant to notice the SUB
RX was being turned off

Yes when the VFO B goes bad, VFO B SUB RX LED is off. Push the Sub RX button
and it's good until the next time I DOUBLE click a DX spot in DXLAB

>>>In the General panel on the General tab of Commander's Configuration
window, do you have the

"Accept Dual Receive directives" box checked?

73,

Dave, AA6YQ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8067. Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-17 07:44:11 UTC
From: pa1ap
Topic: 7992 Message: 8067

The orion behave correctly in this case and this is not a firmware bug or defective hardware on orion.

The external program sends an instruction to detach the sub rx and thats whats happening. The command sequence as send to orion will need to be changed.

Best regards, onno

--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
>
> Onno, you are amazing!! I wish I had been more observant to notice the SUB
> RX was being turned off
>
>
>
> Yes when the VFO B goes bad, VFO B SUB RX LED is off. Push the Sub RX button
> and it's good until the next time I DOUBLE click a DX spot in DXLAB
>
>
>
> Again this does not do it in Logger32 or I can't make it.
>
>
>
> So do you know what causes this yet? Ten Tec firmware or DXLab software or
> they just don't like working together L
>
>
>
> I really appreciate this a lot
>
>
>
> 73 and looking forward to hear back
>
>
>
> John
>
> KO4XJ
>
>
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf

> Of pa1ap
> Sent: Friday, March 16, 2012 4:19 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM
>
>
>
>
>
> Hello John,
>
> I might have been able to reproduce it.
>
> When the orion just works (both main and sub);
>
> 1- if you look at the VFO matrix (to left of lcd screen) you see two columns
> with three buttons each. One (on the left) is for VFO A and the other (on
> the right) is for VFO B... Which button of the VFO B column has led turned
> on? I would expect the bottom button LED to be turned on.. (indicating VFO B
> is assigned to sub rx)
>
> When you have the problem could you check the following;
>
> 2- if you look at the VFO matrix (to left of lcd screen) you see two columns
> with three buttons each. One (on the left) is for VFO A and the other (on
> the right) is for VFO B... Which button of the VFO B column has led turned
> on?
>
> Best regards, Onno
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "John
> Hudson" <jd_hudson@> wrote:
> >
> > Let me go through a very detailed scenario of what I have done three times
> > today with each time the same results at the same time. Plus I'm going to
> > send you the error log list and see if you can see when it happens or
> > anything out of the ordinary. Also, I have used two other logging/rig
> > control softwares that did not have any problems (except 1 menu screen in
> > L32 that is garbled)..Sorry for the long post folks
> >
> >
> >
> > I started with a freshly rebooted PC and a MASTER RESET (Battery Failure)
> > and another MASTER RESET (Main RX/TX reset)
> >
> > 1. PC rebooted
> >
> > 2. Orion MASTER RESET (battery failure)
> >
> > 3. RX-366 INSTALLED (NO)

> >
> > 4. Orion Boots up
> >
> > 5. 2nd MASTER RESET (Main RX/TX reset)
> >
> > a. CLEAR MEMORIES (YES)
> >
> > b. RESET OPTIONAL FILTER (YES)
> >
> > c. RX-366 INSTALLED (NO)
> >
> > 6. Orion Boots up
> >
> > a. VFO A=14.250
> >
> > b. VFO B=14.035
> >
> > 7. LOAD DXLAB (with new error log)
> >
> >
> >
> > After DXLab loads and 20m is dead tonight (0330 GMT)
> >
> > 8. VFO A=Manually enter 7.200 then tuned to a signal on 7.154
> >
> > 9. VFO B= Manually entered 7.000 tuned to 7.007.6 cw signal
> >
> > a. BOTH VFO's WORKING OK AT THIS TIME
> >
> > 10. VFO A=Switched to 80m then tuned to 3.539.5 CW signal
> >
> > 11. VFO B=Manually enter 10.100 and tuned to 10.115.5 CW signal
> >
> > a. BOTH VFO's WORKING OK AT THIS TIME
> >
> > 12. VFO A=Switched to 180m and tuned to 1.828.6 CW signal
> >
> > 13. VFO B=Manually entered 7.150 and tuned to 7.153
> >
> > At this time both VFO's are working as they are suppose to. Both receive
> > independent signals and each VFO's frequency can be changed ok
> >
> >
> >
> > 14. I double clicked on SPOT COLLECTOR 3.795.10 VFO A changes to 3.795.1
> > but now VFO B is locked to receiving the 7.153 signal and I cannot change
> > it with the VFO B knob or manually entering a frequency or switching bands
> > with VFO A and try to change VFO B with A>B
> >
> >

> >
> > A I have said I have created this 3 times today and get the same results
> at
> > the same time but other logging programs are working as far as I can tell.
> >
> >
> >
> > Also a side note, I was concerned whether a new battery would fix any
> > issues, it does not. I installed a brand new battery today with the same
> > results
> >
> >
> >
> > Again sorry for the detailed procedure but I wrote it step by step for
> > clarity
> >
> >
> >
> > Thanks
> >
> > John
> >
> > KO4XJ
> >
> >
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> Behalf
> > Of Dave AA6YQ
> > Sent: Wednesday, March 14, 2012 1:17 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > Subject: RE: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM
> >
> >
> >
> >
> >
> >
> > There is no CAT command that any transceiver application can send to an
> > Orion that will cause VFO B to behave in the way that John KO4XJ has
> > described.
> >
> > Neither HRD nor DXBase have the ability to extract a QSX frequency from DX
> > spot notes and with one gesture setup both VFOs for split frequency
> > operation. DXLab does have this ability; there are many Orion owners using
> > DXLab, and none has reported the behavior John reports.
> >
> > I can think of only two possibilities:
> >
> > 1. Commander is not configured to use Flow Control in its interactions

> > with the Orion, resulting in the Orion's processor being overrun and
> > operating incorrectly; the solution to this is to configure Commander to
> use
> > Flow Control, as shown in step 4.c of the instructions in
> >
> > <http://www.dxlabsuite.com/dxlabwiki/TranceiverControlTenTec>
> >
> > 2. The transceiver in question is broken.
> >
> > 73,
> >
> > Dave, AA6YQ (author, DXLab)
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On
> > Behalf
> > Of pa1ap
> > Sent: Wednesday, March 14, 2012 1:59 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > Subject: [orion565] Re: VFO B loses signals Orion1- UPDATE SYMPTOM
> >
> > Hello John,
> >
> > Unfortunately I am travelling and cannot install and test DXlabs myself
> but
> > I have been peeking into their website. Looks like a very fine product.
> also
> > found that there is a function to capture the information exchange between
> > computer and rig. Its call commander messages
> > http://www.dxlabsuite.com/commander/MessageCapture.jpg
> >
> > Would it be possible for you to start the message capture function and
> than
> > reproduce the issue you found when clickin on the the function causing the
> > sub rx to stop working? Hopefully the serial command exchange will be
> > captured and you can share it with me. That would make it much easier when
> I
> > am home end of the week.
> >
> > Thanks and regards, Onno
> >
> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com> , "John
> > Hudson" <jd_hudson@> wrote:
> > >
> > > I may have this issue narrowed down but here's what I can make it do.

> > >
> > >
> > >
> > > If I have not logging program running (with cable connected) Both VFO's
> > > appear to work fine. I cannot make it go bad.
> > >
> > >
> > >
> > > If I run dxBase and QSY by clicking on a dx spot, both VFO's appear to
> > work
> > >
> > > Same for Ham Radio Deluxe
> > >
> > >
> > >
> > > But if I load DXLabs. It seems to be fine until I click on to a DX spot.
> I
> > > have made this go bad 4 times in a row NO TRANSMISSIONS WERE MADE
> > >
> > >
> > >
> > > So I'm going to email Dave the author of DXLab and pick his brain
> > >
> > >
> > >
> > > More to follow and thanks
> > >
> > >
> > >
> > >
> > >
> > > John
> > >
> > > KO4XJ
> > >
> > >
> > >
> > > From: John Hudson [mailto:jd_hudson@]
> > > Sent: Tuesday, March 13, 2012 10:41 PM
> > > To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
> <mailto:%27orion565%40yahoogroups.com>
> > <mailto:%27orion565%40yahoogroups.com> '
> > > Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> > >
> > >
> > >
> > > . Catfish. Both vfo's are on the speaker and when I use my
> > > headphones, almost 10% of the time I have MAIN in left and SUB in right
> > and
> > > it's easy to tell when VFO B heads south.

> > >
> > >
> > >
> > > . Wes.. I ran mine for a few hours this morning w/o a cable
> > > connecting the PC and not a problem one, but as soon as I connected a
> > cable
> > > > for the PC control.. VFO B went out.
> > > >
> > > >
> > > >
> > > > Right now I'm really confused on what it does or does not :L So I will
> > play
> > > > with it more
> > > >
> > > >
> > > >
> > > > It worked fine for a couple of years and now it starts. I just started
> > > > using DXLab but I think this happened before I switched over. I do know
> > > > this, I had a problem with one of my menu screens and even with 3.030
> and
> > > > using Logger32 I get that screen again (MENU-SSB), it's grabled.
> > > >
> > > >
> > > >
> > > > As soon as the battery gets here, it's going in $9 from TT, hope it's
> here
> > > > Thurs or Fri
> > > >
> > > >
> > > >
> > > > . Bob, if the battery does not change anything or I can't find a
> > > > solution I'll send it back. But Paul never mentioned that but others
> have
> > > >
> > > >
> > > >
> > > >
> > > >
> > > >
> > > >
> > > > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>] On
> > > Behalf
> > > > Of Wes Attaway (N5WA)
> > > > Sent: Tuesday, March 13, 2012 9:21 PM
> > > > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > > Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> > >
> > >
> > >
> > >
> > >
> > > OK Tom .. I have thought of that but I don't have any other "low
> battery"
> > > symptoms that I know of and the problem has been the same almost from
> the
> > > point of purchasing the radio brand new back when TenTec first released
> it
> > > Nevertheless, I'll keep the low battery idea in mind..
> > >
> > > ----------------- Wes Attaway (N5WA) -------------------
> > > 1138 Waters Edge Circle, Shreveport, LA 71106
> > > 318-797-4972 (Office) - 318-393-3289 (Cell)
> > > Computer Consulting and Forensics
> > > -------------- EnCase Certified Examiner ---------------
> > >
> > > _____
> > >
> > > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>] On
> > > Behalf
> > > Of catfishtwo@ <mailto:catfishtwo%40aol.com>
> > > Sent: Tuesday, March 13, 2012 9:14 PM
> > > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > > Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> > >
> > > that turn it off and turn it back on fix is what I had here recently
> when
> > > my memory battery went out. easy to replace, remove top and bottom
> > > cases and loosen the front panel , it only goes in 1 way too. all kinds
> of
> >
> > > weird problems , but a new battery fixed it. And fairly cheap too.. tom
> > > N6AJR
> > >

> > > In a message dated 3/13/2012 6:54:23 P.M. Pacific Daylight Time,
> > > wesattaway@ <mailto:wesattaway%40bellsouth.net>
> > > <mailto:wesattaway%40bellsouth.net> writes:
> > >
> > > This VFO-B problem is beginning to sound like something that has a
> number
> > > of
> > > different causes because different people seem to have found different
> > > reasons for it to occur and different ways to stop it. Either that or we
> > > have inaccurate reporting, but some of the reports are fairly detailed.
> > >
> > > In my case, I have had the VFO-B non-receive problem with or without the
> > > logging software (DX4Win and microKeyer II) running and with or without
> > > ever
> > > transmitting. I have zero RFI in the shack, with a TV set, computers and
> > > other electronic gadgets sitting within two feet of the radio and
> showing
> > > zero ill effects. I do not run an amp. I doubt that in my case RFI is
> the
> > > problem.
> > >
> > > For me, the cure is always the same ...Just turn the radio off and then
> > > turn
> > > it back on. Once I do this everything is normal (tending to rule out
> > > RFI),
> > > including hearing signals on VFO-B. The radio never misses a beat and
> all
> > > frequency settings, filter settings, etc, stay the same between the
> > > on-off-on cycles. My VFO-B non-receive problem is infrequent but I have
> > > never had it reoccur during the same operating session after going
> through
> > > the off-on cycle. I don't actually know how often the VFO-B problem
> occurs
> > > because the only time I use VFO-B is if I need to use "split" for DX and
> > > even then I don't always listen on VFO-B. The transmit function works on
> > > VFO-B even if the RX function is not working.
> > >
> > > For the record, I am using the latest firmware and there was no change
> in
> > > the VFO-B problem as I went through various upgrades over the years. It
> is
> > > exactly the same problem now as it was several years ago.
> > >
> > > All this makes me think that in my case the synthesizer explanation
> makes
> > > the most sense although I don't know why the off-on cycling "fixes" it
> for
> > > an entire operating session that may last for several days if I leave
> the
> > > radio on that long.

> > >
> > > Over ...
> > >
> > > ----------------- Wes Attaway (N5WA) -------------------
> > > 1138 Waters Edge Circle, Shreveport, LA 71106
> > > 318-797-4972 (Office) - 318-393-3289 (Cell)
> > > Computer Consulting and Forensics
> > > -------------- EnCase Certified Examiner ---------------
> > >
> > > _____
> > >
> > > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
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> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > > <mailto:orion565%40yahoogroups.com>] On
> > > Behalf
> > > Of catfishtwo@ <mailto:catfishtwo%40aol.com>
> > > <mailto:catfishtwo%40aol.com>
> > > Sent: Tuesday, March 13, 2012 6:55 PM
> > > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > > <mailto:orion565%40yahoogroups.com>
> > > Subject: Re: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> > >
> > > I had a problem getting my VFO B to make any audio, until my friend told
>
> > > me
> > > to go into the audio menu and turn on the sub receivers audio (speaker
> > > "both") its much better now. and yes I did a reset and cleared all
> > > functions
> > >
> > > and forgot to turn it back on. I love the current version 3.30 tom N6AJR
> > >
> > > In a message dated 3/13/2012 4:33:10 P.M. Pacific Daylight Time,
> > > w2wg@ <mailto:w2wg%40comcast.net> <mailto:w2wg%40comcast.net>
> > > <mailto:w2wg%40comcast.net>
> > > writes:
> > >
> > > When my 565 was having bizarre VFO-B issues--basically the sub receiver
> > > was
> > > operational but could not be tuned-- Paul suspected the same thing. At
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> > > time he had a theory that connecting a computer to the Orion could cause
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> > > VFO
> > > B lockup even if you never transmitted. I commented to him that if you
> > > couldn't connect a PC to the rig it wasn't of much use to me.
> Fortunately
> > > on an eventual return to TT he found it was a "synthesizer out of spec"
> > > problem--very painful to find.
> > >
> > > 73
> > >
> > > Bob W2WG
> > >
> > > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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> > > <mailto:orion565%40yahoogroups.com>
> > > <mailto:orion565%40yahoogroups.com>] On
> > > Behalf
> > > Of John Hudson
> > > Sent: Tuesday, March 13, 2012 5:13 PM
> > > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
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> > > GOT ANOTHER QUESTION
> > >
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> > > try it with a logging program connected. I disconnected the cable from
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> > > PC to the rig and operated "old school" no logging program and it ran
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> > > hours today with no illeffects. I did not do a lot of QSO's but I did do
> > > tests on several bands using the amp and all ok
> > >
> > > I then connected the cable and loaded up DXLab, my current log choice,

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> > > at the onset both VFO's were ok. I got brave and decided to try a
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> > > on
> > > 17m with the amp, BAM, VFO B is back to being locked in a some freq but
> > > the
> > > display can be changed. I'm not too sure if it went south as I changed
> > > bands
> > > to 17m but it was after making the contact, which was simplex BTW. My
> > cable
> > > > is a home made cable but it's been in use for over a few years, last
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> > I
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> > DXLabs
> > > > and Logger32. I have DXbase and HRD also and will try it with them
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> > > > Also on my power switch, the new switch does not power the rig down,
> Paul
> > > > says "Turn on problem: Probably a problem with the turn on circuit on
> the
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> > >
> > > > Thanks in advance
> > >
> > > > John
> > >
> > > > KO4XJ
> > >
> > > > BTW Still waiting on the TT battery and hope it's the magic fix
> > >
> > > > From: John Hudson [mailto:jd_hudson@
> > <mailto:[mailto:jd_hudson@%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%2
> >
> 0%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%20%0b%3e%20%3cmailto:jd_hudso
> > n%40comcast.net%3e%20%0b%3e%20%3cmailto:jd_hudson%40comcast.net%3e%20]>
> > > > <mailto:jd_hudson%40comcast.net>
> > > > <mailto:jd_hudson%40comcast.net>
> > > > <mailto:jd_hudson%40comcast.net>
> > > > <mailto:jd_hudson%40comcast.net>]
> > > > Sent: Monday, March 12, 2012 8:24 AM
> > > > To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
> <mailto:%27orion565%40yahoogroups.com>
> > <mailto:%27orion565%40yahoogroups.com>
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> > > <mailto:%27orion565%40yahoogroups.com>
> > > <mailto:%27orion565%40yahoogroups.com> '
> > > > Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> > >

> > > An additional "FIND" with my VFO B issue.. What I found over the weekend
> > is
> > > that VFO B does hear.. but on a reboot it hears on 14.035, the default
> > > frequency after a master reboot. No matter what band I tune to or tuning
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> > > finally found it. NOW the other scenario.. If I do a reset and the VFO B
> > > does work it's all good until it goes bad ;) then what ever frequency is
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> > > VFO B is stuck there. Example if I was working RTTY split and VFO B
> > decides
> > > to stop working properly, that's the signal I keep hearing in VFO B.
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> > > no change when I change bands or manually enter a frequency. I've gone
> > back
> > > and put 2.063x and 2.062a in and the same issue. I cannot determine if
> > > there is any thing I'm doing to make this happen but running DXLab,
> FLDIGI
> > > and FLDIGI bridge, N8LP VCP on a XP PC .
> > >
> > > Again others suggested a weak battery can cause strange issues but one
> was
> > > ordered Friday from TT but will not ship until today so I'll wait for
> that
> > > and see. I'll be replacing a bad power switch (rig won't power off with
> > > switch) and checking all the jumper cable connections when I get the
> > > covers
> > > off
> > >
> > > If no fix is found..it's headed to TT HQ
> > >
> > > Thanks
> > >
> > > John
> > >
> > > KO4XJ
> > >
> > > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
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> > > <mailto:orion565%40yahoogroups.com>
> > > <mailto:orion565%40yahoogroups.com>] On
> > > Behalf
> > > Of ko4xj
> > > Sent: Thursday, March 08, 2012 11:22 PM
> > > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
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> > > <mailto:orion565%40yahoogroups.com>
> > > <mailto:orion565%40yahoogroups.com>
> > > Subject: [orion565] VFO B loses signals Orion1
> > >
> > > My B VFO all of a sudden stopped hearing signals. There's noise but no
> > > signals. I can find a signal with VFO A but not with VFO B. This started
> > > here recently. Most times I have to do a MASTER RESET and I can start to
> > > hear signals but I lose them after a short period.
> > >
> > > I read in a 2005 post of maybe some DSP issues?? Using ver 3.030
> > >
> > > Will reload with a older version tomorrow and see what happens
> > >
> > > Thanks
> > > John
> > > KO4XJ
> > >
> > > [Non-text portions of this message have been removed]
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> > > [Non-text portions of this message have been removed]
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> > > ------------------------------------
> > >
> > > Yahoo! Groups Links
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8068. Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-18 08:15:15 UTC
From: pa1ap
Topic: 7992 Message: 8068

It might have been an exception with the synthesizer out of spec.

An easy mistake to make is to detach the sub rx from any vfo assignment. This is only visible through a single led being switched off within the vfo matrix section.

If not observed the user will experience a normal functional unit but without the sub rx doing anything. The frequency on the screen can be changed but nothing happens.

The remote control connection is a great value but also controls your rig for you. When you push a button on the orion you realize and know the consequence. But if a remote control program does this for you, behind the scene, you might get unexpected user experience.

Best regards, onno

--- In orion565@yahoogroups.com, "Robert Carroll" <w2wg@...> wrote:
>
> When my 565 was having bizarre VFO-B issues--basically the sub receiver was
> operational but could not be tuned-- Paul suspected the same thing. At the
> time he had a theory that connecting a computer to the Orion could cause VFO
> B lockup even if you never transmitted. I commented to him that if you
> couldn't connect a PC to the rig it wasn't of much use to me. Fortunately
> on an eventual return to TT he found it was a "synthesizer out of spec"
> problem--very painful to find.
>
>
>
> 73
>
> Bob W2WG
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of John Hudson
> Sent: Tuesday, March 13, 2012 5:13 PM
> To: orion565@yahoogroups.com
> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
>
>
>
>
>
>
> GOT ANOTHER QUESTION
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> Has anyone ever had RFI problems effect their rigs?? Sounds funny but Paul
> from TT answered an email about my VFO B issue and wanted to know if I would

> try it with a logging program connected. I disconnected the cable from the
> PC to the rig and operated "old school" no logging program and it ran for
> hours today with no illeffects. I did not do a lot of QSO's but I did do
> tests on several bands using the amp and all ok
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> I then connected the cable and loaded up DXLab, my current log choice, and
> at the onset both VFO's were ok. I got brave and decided to try a contact on
> 17m with the amp, BAM, VFO B is back to being locked in a some freq but the
> display can be changed. I'm not too sure if it went south as I changed bands
> to 17m but it was after making the contact, which was simplex BTW. My cable
> is a home made cable but it's been in use for over a few years, last year I
> added signal lines for my STEPPIR controller. I know it does it with DXLabs
> and Logger32. I have DXbase and HRD also and will try it with them
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> John
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> KO4XJ
>
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>
> From: John Hudson [mailto:jd_hudson@...
> <mailto:jd_hudson%40comcast.net>]
> Sent: Monday, March 12, 2012 8:24 AM
> To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com> '
> Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
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> [Non-text portions of this message have been removed]
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8070. Re: [orion565] Sale Or Trade Complete Yaesu FT-2000 Station For Orion II Station?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-19 03:42:11 UTC
From: Larry Menzel
Topic: 8069 Message: 8070

Might be a long wait on that deal, OM.

Larry, W0PR
On Mar 18, 2012 5:56 PM, "John_Tn" <john-m-junk@...> wrote:

> **
>
>
>
> Hello, I just thought I would ask? If anyone is interested I have a
> Complete Yaesu FT-2000 Station with DMU-2000 Data Management Unit and
> matching SP-2000 Speaker all like new for sale $3200 or trade for
> complete Orion II station.
>
> If you or someone you know is interested let me know.
>
> US sale only. PayPal or Cash pickup in the Nashville TN area. Due to
> Scammers You must contact me with your phone number And Call Sign.
>
> Anyway just thought I would ask.
>
> Thanks
>
> John
>
> [Non-text portions of this message have been removed]
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>
>

[Non-text portions of this message have been removed]

8072. Re: [orion565] Re: Sale Or Trade Complete Yaesu FT-2000 Station For Orion II Station?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-19 14:33:25 UTC
From: Larry Menzel
Topic: 8069 Message: 8072

Hi, John,

HI...just pulling your coax, my friend. I think most TT guys will say that it would be difficult to give up their Orions, regardless of vintage.

I have had an Orion since they came out, and the Orion II since they appeared. Have had hardly any trouble with either radio. The O II is just a step above the Orion, but only a little. I added the new receiver to my OII recently and WOW does that increase the usability of that radio. I'm really impressed.

Both rigs sound awesome on the air, and are simply marvelous in a two radio contesting setup like mine. I have amps on both rigs and band pass filters in front of each receiver. Many of my antennas are on the same tower, so I need the kind of brick wall front ends that our DSP rigs provide. They're an awesome pair.

Good luck John...just sell your 2000 setup and bite the bullet and get an Orion II. I see plenty of them on the used market for around $3000, with filters, and there is no difference between that radio and one that comes "fresh" out of the TT factory.

You'll be glad you did. Really in a different league from the 2000, trust me.

Larry, W0PR

On Mon, Mar 19, 2012 at 1:03 AM, John_Tn <john-m-junk@comcast.net> wrote:

> **
>
>
> Hi Larry,
> Yea well I just thought I would ask anyway just in case.
> Your setup on QRZ.com looks nice, what do you like about the Orion 1 &
> Orion 2 compared to each other?
> 73
> John
> KC2QMA
>
> --- In orion565@yahoogroups.com, Larry Menzel <retire@...> wrote:
> >
> > Might be a long wait on that deal, OM.
> >
> > Larry, W0PR

> > On Mar 18, 2012 5:56 PM, "John_Tn" <john-m-junk@...> wrote:
> >
> > > **
>
> > >
> > >
> > >
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> > > matching SP-2000 Speaker all like new for sale $3200 or trade for
> > > complete Orion II station.
> > >
> > > If you or someone you know is interested let me know.
> > >
> > > US sale only. PayPal or Cash pickup in the Nashville TN area. Due to
> > > Scammers You must contact me with your phone number And Call Sign.
> > >
> > > Anyway just thought I would ask.
> > >
> > > Thanks
> > >
> > > John
> > >
> > > [Non-text portions of this message have been removed]
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8075. Re: [orion565] Anyone in the Nashville area with ORION II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-20 21:20:49 UTC
From: Richard
Topic: 8074 Message: 8075

I am in Knoxville. Play with settings on bandwidth and make sure pass band is set at zero. Make sure DSP is off. Check it with internal and external speakers. I had to resolder speaker plug for the external speaker.

C. Richard Pumphrey

NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

On Mar 20, 2012, at 2:53 PM, "John_Tn" <john-m-junk@...> wrote:

> Hello, I just got an Orion II and to me the audio sounds strange like it has some distortion? I wanted to see if there was Anyone in the Nashville area with an orion ii that i could come and listen to and compare to mine and see if my unit has a problem.
>
> Thanks
> John
> KC2QMA
>
>
>
>
> TODAY(Beta) • Powered by Yahoo!
> Ways to turn your clutter into cash
> Find out how to sell unused small kitchen appliances â€” even if they're broken.
> Privacy Policy

[Non-text portions of this message have been removed]

8076. RE: [orion565] Anyone in the Nashville area with ORION II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-20 21:40:03 UTC
From: John Hudson
Topic: 8074 Message: 8076

John do a MASTER REST BATTERY FAIL ..power off then hold VFO –B LOCK button when you power on..hold it until you see the BATTERY FAIL msg. Let it boot up, turn the power off again and then another MASTER REST but this time hold the ANT 1 button under the MAIN RX/TX on the left side of the rig. Anwser the question CLEAR MEMORIES and CLEAR FILTERS with YES. NOTE this will remove all settings but it’ll take you back to as new from the factory. See if that clears it up.

Good luck

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Richard
Sent: Tuesday, March 20, 2012 4:21 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Anyone in the Nashville area with ORION II?

I am in Knoxville. Play with settings on bandwidth and make sure pass band is set at zero. Make sure DSP is off. Check it with internal and external speakers. I had to resolder speaker plug for the external speaker.

C. Richard Pumphrey

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On Mar 20, 2012, at 2:53 PM, "John_Tn" <john-m-junk@...t
<mailto:john-m-junk%40comcast.net> > wrote:

> Hello, I just got an Orion II and to me the audio sounds strange like it has some distortion? I wanted to see if there was Anyone in the Nashville area with an orion ii that i could come and listen to and compare to mine and see if my unit has a problem.
>
> Thanks
> John
> KC2QMA
>
>
>
>
> TODAY(Beta) • Powered by Yahoo!
> Ways to turn your clutter into cash
> Find out how to sell unused small kitchen appliances â€” even if they're broken.
> Privacy Policy

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8079. Re: [orion565] Re: Anyone in the Nashville area with ORION II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-20 22:33:13 UTC
From: Billy Cox
Topic: 8074 Message: 8079

John,

All modes sound this way?

All bands sound this way?

Headphones and speaker sound the same?

What is your RF GAIN set at?

PREAMP on or off?

AN/NB/etc. on bottom row ... on or off?

(Just trying to help)

73 de Billy, AA4NU

-----Original Message-----
>From: John_Tn <john-m-junk@...t>
>Sent: Mar 20, 2012 5:29 PM
>To: orion565@yahoogroups.com
>Subject: [orion565] Re: Anyone in the Nashville area with ORION II?
>
>Hello,
>I did the software update last night and did all of the resets and still no improvement?
>It sounds like distortion in the audio amplifier, I checked to speaker connections and all was fine.
>It also could be an issue with the digital to analog converters in the audio chain?
>Or this is just what an Orion II sounds like? That's why I want to sit with someone and compare my Orion to theirs to see (Hear) if there is any difference.
>John
>
>
>--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
>>
>> John do a MASTER REST BATTERY FAIL ..power off then hold VFO â□"B LOCK button when you power on..hold it until you see the BATTERY FAIL msg. Let it boot up, turn the power off again and then another MASTER REST but this time hold the ANT 1 button under the MAIN RX/TX on the left side of the rig. Anwser the question CLEAR MEMORIES and CLEAR FILTERS with YES. NOTE this will remove all settings but itâ□□ll take you back to as new from the factory. See if that clears it up.
>>
>>
>>
>> Good luck
>>
>>

>>
>> John
>>
>> KO4XJ
>>
>>
>>
>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Richard
>> Sent: Tuesday, March 20, 2012 4:21 PM
>> To: orion565@yahoogroups.com
>> Subject: Re: [orion565] Anyone in the Nashville area with ORION II?
>>
>>
>>
>>
>>
>> I am in Knoxville. Play with settings on bandwidth and make sure pass band is set at zero. Make sure DSP is off. Check it with internal and external speakers. I had to resolder speaker plug for the external speaker.
>>
>> C. Richard Pumphrey
>>
>> NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.
>>
>>
>>
>>
>> On Mar 20, 2012, at 2:53 PM, "John_Tn" <john-m-junk@... <mailto:john-m-junk%40comcast.net> > wrote:
>>
>> > Hello, I just got an Orion II and to me the audio sounds strange like it has some distortion? I wanted to see if there was Anyone in the Nashville area with an orion ii that i could come and listen to and compare to mine and see if my unit has a problem.
>> >
>> > Thanks
>> > John
>> > KC2QMA
>> >
>> >
>> >
>> >
>> > TODAY(Beta) â□¢ Powered by Yahoo!
>> > Ways to turn your clutter into cash
>> > Find out how to sell unused small kitchen appliances Ã¢â□¬â□□ even if they're broken.
>> > Privacy Policy
>>
>> [Non-text portions of this message have been removed]
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>> [Non-text portions of this message have been removed]
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>
>Yahoo! Groups Links
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8081. Re: [orion565] Anyone in the Nashville area with ORION II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-20 23:25:55 UTC
From: Barry N1EU
Topic: 8074 Message: 8081

What is your RF Gain setting?

Barry N1EU

On Tue, Mar 20, 2012 at 6:53 PM, John_Tn <john-m-junk@...> wrote:

> **
>
>
> Hello, I just got an Orion II and to me the audio sounds strange like it
> has some distortion? I wanted to see if there was Anyone in the Nashville
> area with an orion ii that i could come and listen to and compare to mine
> and see if my unit has a problem.
>
> Thanks
> John
> KC2QMA
>
>
>

[Non-text portions of this message have been removed]

8084. Re: [orion565] Anyone in the Nashville area with ORION II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-21 00:43:15 UTC
From: Ron Anderson
Topic: 8074 Message: 8084

John I live in Lebanon, TN.
My call is N4LKE. You are welcome to come over and see my OII

From: John_Tn <john-m-junk@...>
To: orion565@yahoogroups.com
Sent: Tuesday, March 20, 2012 1:53 PM
Subject: [orion565] Anyone in the Nashville area with ORION II?

Hello, I just got an Orion II and to me the audio sounds strange like it has some distortion? I wanted to see if there was Anyone in the Nashville area with an orion ii that i could come and listen to and compare to mine and see if my unit has a problem.

Thanks
John
KC2QMA

[Non-text portions of this message have been removed]

8085. Re: [orion565] Anyone in the Nashville area with ORION II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-21 02:17:03 UTC
From: Richard
Topic: 8074 Message: 8085

Sure. 865-335-4710

C. Richard Pumphrey

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On Mar 20, 2012, at 5:53 PM, "john-m-junk@..."<john-m-junk@...> wrote:

> Hi richard,
> Could i call you i would like to ask a few questions?
> John
>
> Sent from my Verizon Wireless Droid
>
> -----Original message-----
> From: Richard <wn9ddv@...>
> To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
> Sent: Tue, Mar 20, 2012 21:20:49 GMT+00:00
> Subject: Re: [orion565] Anyone in the Nashville area with ORION II?
>
> I am in Knoxville. Play with settings on bandwidth and make sure pass band is set at zero. Make sure DSP is off. Check it with internal and external speakers. I had to resolder speaker plug for the external speaker.
>
> C. Richard Pumphrey
>
> NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.
>
>
>
>
> On Mar 20, 2012, at 2:53 PM, "John_Tn" <john-m-junk@...> wrote:
>
> > Hello, I just got an Orion II and to me the audio sounds strange like it has some distortion? I wanted to see if there was Anyone in the Nashville area with an orion ii that i could come and listen to and compare to mine and see if my unit has a problem.
> >
> > Thanks
> > John
> > KC2QMA

> >
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> >
> >
> > TODAY(Beta) • Powered by Yahoo!
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> > Privacy Policy
>
> [Non-text portions of this message have been removed]
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8086. Re: VFO B loses signals Orion1- UPDATE SYMPTOM

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-21 08:32:09 UTC
From: dhbernstein
Topic: 7992 Message: 8086

The resolution of this problem is that SpotCollector was not configured to enable the sub-receiver when selecting a DX Spot operating split. Enabling this option assigns the sub-receiver to the DX Station's TX frequency.

73,

Dave, AA6YQ

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> It might have been an exception with the synthesizer out of spec.
>
> An easy mistake to make is to detach the sub rx from any vfo assignment. This is only visible through a single led being switched off within the vfo matrix section.
>
> If not observed the user will experience a normal functional unit but without the sub rx doing anything. The frequency on the screen can be changed but nothing happens.
>
> The remote control connection is a great value but also controls your rig for you. When you push a button on the orion you realize and know the consequence. But if a remote control program does this for you, behind the scene, you might get unexpected user experience.
>
> Best regards, onno
>
>
>
> --- In orion565@yahoogroups.com, "Robert Carroll" <w2wg@> wrote:
> >
> > When my 565 was having bizarre VFO-B issues--basically the sub receiver was
> > operational but could not be tuned-- Paul suspected the same thing. At the
> > time he had a theory that connecting a computer to the Orion could cause VFO
> > B lockup even if you never transmitted. I commented to him that if you
> > couldn't connect a PC to the rig it wasn't of much use to me. Fortunately
> > on an eventual return to TT he found it was a "synthesizer out of spec"
> > problem--very painful to find.
> >
> >
> >
> > 73
> >
> > Bob W2WG
> >
> >
> >
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf

> > Of John Hudson
> > Sent: Tuesday, March 13, 2012 5:13 PM
> > To: orion565@yahoogroups.com
> > Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> >
> >
> >
> >
> >
> > GOT ANOTHER QUESTION
> >
> > Has anyone ever had RFI problems effect their rigs?? Sounds funny but Paul
> > from TT answered an email about my VFO B issue and wanted to know if I would
> > try it with a logging program connected. I disconnected the cable from the
> > PC to the rig and operated "old school" no logging program and it ran for
> > hours today with no illeffects. I did not do a lot of QSO's but I did do
> > tests on several bands using the amp and all ok
> >
> > I then connected the cable and loaded up DXLab, my current log choice, and
> > at the onset both VFO's were ok. I got brave and decided to try a contact on
> > 17m with the amp, BAM, VFO B is back to being locked in a some freq but the
> > display can be changed. I'm not too sure if it went south as I changed bands
> > to 17m but it was after making the contact, which was simplex BTW. My cable
> > is a home made cable but it's been in use for over a few years, last year I
> > added signal lines for my STEPPIR controller. I know it does it with DXLabs
> > and Logger32. I have DXbase and HRD also and will try it with them
> >
> > Also on my power switch, the new switch does not power the rig down, Paul
> > says "Turn on problem: Probably a problem with the turn on circuit on the
> > back panel board, sounds like a leaky transistor."
> >
> > Thanks in advance
> >
> > John
> >
> > KO4XJ
> >
> > BTW Still waiting on the TT battery and hope it's the magic fix
> >
> > From: John Hudson [mailto:jd_hudson@
> > <mailto:jd_hudson%40comcast.net>]
> > Sent: Monday, March 12, 2012 8:24 AM
> > To: 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com> '
> > Subject: RE: [orion565] VFO B loses signals Orion1- UPDATE SYMPTOM
> >
> > An additional "FIND" with my VFO B issue.. What I found over the weekend is
> > that VFO B does hear.. but on a reboot it hears on 14.035, the default
> > frequency after a master reboot. No matter what band I tune to or tuning the
> > VFO knob it's listening to 14.035. It just seemed like it was hearing
> > nothing but I kept hearing a CW signal when I was in the phone band and

> > finally found it. NOW the other scenario.. If I do a reset and the VFO B
> > does work it's all good until it goes bad ;) then what ever frequency is in
> > VFO B is stuck there. Example if I was working RTTY split and VFO B decides
> > to stop working properly, that's the signal I keep hearing in VFO B. Again
> > no change when I change bands or manually enter a frequency. I've gone back
> > and put 2.063x and 2.062a in and the same issue. I cannot determine if
> > there is any thing I'm doing to make this happen but running DXLab, FLDIGI
> > and FLDIGI bridge, N8LP VCP on a XP PC .
> >
> > Again others suggested a weak battery can cause strange issues but one was
> > ordered Friday from TT but will not ship until today so I'll wait for that
> > and see. I'll be replacing a bad power switch (rig won't power off with
> > switch) and checking all the jumper cable connections when I get the covers
> > off
> >
> > If no fix is found..it's headed to TT HQ
> >
> > Thanks
> >
> > John
> >
> > KO4XJ
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> > Behalf
> > Of ko4xj
> > Sent: Thursday, March 08, 2012 11:22 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > Subject: [orion565] VFO B loses signals Orion1
> >
> > My B VFO all of a sudden stopped hearing signals. There's noise but no
> > signals. I can find a signal with VFO A but not with VFO B. This started
> > here recently. Most times I have to do a MASTER RESET and I can start to
> > hear signals but I lose them after a short period.
> >
> > I read in a 2005 post of maybe some DSP issues?? Using ver 3.030
> >
> > Will reload with a older version tomorrow and see what happens
> >
> > Thanks
> > John
> > KO4XJ
> >
> > [Non-text portions of this message have been removed]
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> > [Non-text portions of this message have been removed]
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>

8088. Re: [orion565] Re: Anyone in the Nashville area with ORION II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-21 18:43:30 UTC
From: Richard
Topic: 8074 Message: 8088

Good idea. If there is ten Tec can fix it. I have not down loaded the latest software. I may take it over to the factory and let them do it. I may get the new sub receiver also. Good reports on it.

C. Richard Pumphrey

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On Mar 21, 2012, at 11:36 AM, "John_Tn" <john-m-junk@...> wrote:

> Thanks Richard,
> Im going to try to meet up with Ron and compare radios to see if there is somthing wron with my radio.
>
> --- In orion565@yahoogroups.com, Richard <wn9ddv@...> wrote:
> >
> > Sure. 865-335-4710
> >
> > C. Richard Pumphrey
> >
> >
> > NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.
> >
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> >
> > On Mar 20, 2012, at 5:53 PM, "john-m-junk@..."<john-m-junk@...> wrote:
> >
> > > Hi richard,
> > > Could i call you i would like to ask a few questions?
> > > John
> > >
> > > Sent from my Verizon Wireless Droid
> > >
> > > -----Original message-----
> > > From: Richard <wn9ddv@...>
> > > To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
> > > Sent: Tue, Mar 20, 2012 21:20:49 GMT+00:00
> > > Subject: Re: [orion565] Anyone in the Nashville area with ORION II?

> > >
> > > I am in Knoxville. Play with settings on bandwidth and make sure pass band is set at zero. Make sure DSP is off. Check it with internal and external speakers. I had to resolder speaker plug for the external speaker.
> > >
> > > C. Richard Pumphrey
> > >
> > > NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.
> > >
> > >
> > >
> > >
> > > On Mar 20, 2012, at 2:53 PM, "John_Tn" <john-m-junk@...> wrote:
> > >
> > > > Hello, I just got an Orion II and to me the audio sounds strange like it has some distortion? I wanted to see if there was Anyone in the Nashville area with an orion ii that i could come and listen to and compare to mine and see if my unit has a problem.
> > > >
> > > > Thanks
> > > > John
> > > > KC2QMA
> > > >
> > > >
> > > >
> > > >
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> > > > Privacy Policy
> > >
> > > [Non-text portions of this message have been removed]
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> > > [Non-text portions of this message have been removed]
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> > [Non-text portions of this message have been removed]
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8089. Orion II and AGC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-22 13:34:06 UTC
From: ki4ps
Topic: 8089 Message: 8089

I've owned my Orion II for several weeks now. Having fun with the adjustable AGC.

Using the default settings seems to be very aggressive. I've changed the hang time from 0.0 to 00.47 s, for the slow, and it smooths out the SSB.

I still have my other settings for CW which I do a lot of.

I would be interested in what others are using for their AGC settings for both SSB, and CW.

Jerry
ki4ps

8090. Re: [orion565] Re: Anyone in the Nashville area with ORION II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-22 15:05:50 UTC
From: John
Topic: 8074 Message: 8090

Richard,

That was true, but 100 years ago they clear cut the country for firewood
and houses, not to mention fences. The last was for good neighbors

John / WA1JG

On 3/21/2012 2:43 PM, Richard wrote:
>
>
>
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> trees that provide jobs and income for millions of Americans. Thanks
> to improved forest management, we have more trees in America today
> than we had 100 years ago.
>
>
> ~-|**|PrettyHtmlEnd|**|-~ end group email -->
>
>

[Non-text portions of this message have been removed]

8091. Re: [orion565] Re: Anyone in the Nashville area with ORION II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-22 22:26:22 UTC
From: Richard
Topic: 8074 Message: 8091

John I am very aware of the devastation to old growth forests. A lot of the wood went to furniture, such as the solid oak table where I am sitting that was a wedding present to my grandmother around the turn of the century. Of course, most paper today is produced from pine trees grown for that purpose.

C. Richard Pumphrey

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On Mar 22, 2012, at 11:05 AM, John <jh.graves@...> wrote:

> Richard,
>
> That was true, but 100 years ago they clear cut the country for firewood
> and houses, not to mention fences. The last was for good neighbors
>
> John / WA1JG
>
> On 3/21/2012 2:43 PM, Richard wrote:
> >
> >
> >
> > NOTICE: It is okay to print this email. Paper is a plentiful,
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> > to improved forest management, we have more trees in America today
> > than we had 100 years ago.
> >
> >
> > ~-|**|PrettyHtmlEnd|**|-~ end group email -->
> >
> >
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> [Non-text portions of this message have been removed]
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>
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> Six reasons you should never retire
> Staying in the workforce in your golden years offers benefits beyond just money.
> Privacy Policy

[Non-text portions of this message have been removed]

8093. Re: Anyone in the Nashville area with ORION II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-23 20:03:58 UTC
From: Skip
Topic: 8074 Message: 8093

John

I am in Nashville and have an O2. Call me at 615-333-9859 or call WB4RHQ on the 145.21 repeater.

Ed

--- In orion565@yahoogroups.com, Richard <wn9ddv@...> wrote:
>
> I am in Knoxville. Play with settings on bandwidth and make sure pass band is set at zero. Make sure DSP is off. Check it with internal and external speakers. I had to resolder speaker plug for the external speaker.
>
> C. Richard Pumphrey
>
>
> NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.
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>
> On Mar 20, 2012, at 2:53 PM, "John_Tn" <john-m-junk@...> wrote:
>
> > Hello, I just got an Orion II and to me the audio sounds strange like it has some distortion? I wanted to see if there was Anyone in the Nashville area with an orion ii that i could come and listen to and compare to mine and see if my unit has a problem.
> >
> > Thanks
> > John
> > KC2QMA
> >
> >
> >
> >
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> > Privacy Policy
>
> [Non-text portions of this message have been removed]
>

8094. Re: Anyone in the Nashville area with ORION II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-24 02:03:44 UTC
From: John_Tn
Topic: 8074 Message: 8094

Hi Ed,
Thanks i will call you soon and we can set up a meet.

Thanks
John
KC2QMA

--- In orion565@yahoogroups.com, "Skip" <ebhudgens@...> wrote:
>
> John
>
> I am in Nashville and have an O2. Call me at 615-333-9859 or call WB4RHQ on the 145.21 repeater.
>
> Ed
>
> --- In orion565@yahoogroups.com, Richard <wn9ddv@> wrote:
> >
> > I am in Knoxville. Play with settings on bandwidth and make sure pass band is set at zero. Make sure DSP is off. Check it with internal and external speakers. I had to resolder speaker plug for the external speaker.
> >
> > C. Richard Pumphrey
> >
> >
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> >
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> >
> > On Mar 20, 2012, at 2:53 PM, "John_Tn" <john-m-junk@> wrote:
> >
> > > Hello, I just got an Orion II and to me the audio sounds strange like it has some distortion? I wanted to see if there was Anyone in the Nashville area with an orion ii that i could come and listen to and compare to mine and see if my unit has a problem.
> > >
> > > Thanks
> > > John
> > > KC2QMA
> > >
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> >
> > [Non-text portions of this message have been removed]
> >
>

8095. RE: [orion565] Does anyone have the alignment procedure for Orion II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-24 14:08:53 UTC
From: Andrew B. Steen
Topic: 8095 Message: 8095

Hello John.

I too, have an issue with the master oscillator, as it is out about 57 Hz on 10mhz. On the low end of 80, I have to put in about 20Hz higher to be on frequency.

I seem to remember a pretty good tutorial on the reflector some years back, but I haven't found it yet.

Maybe someone out there can enlighten us.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John_Tn
Sent: Thursday, March 22, 2012 8:42 PM
To: orion565@yahoogroups.com
Subject: [orion565] Does anyone have the alignment procedure for Orion II?

My O2 seems to be off frequency so I need the alignment procedure. Maybe someone has a copy of the service manual?

73
John
KC2QMA

[Non-text portions of this message have been removed]

8096. Re: Does anyone have the alignment procedure for Orion II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-24 15:54:15 UTC
From: John_Tn
Topic: 8095 Message: 8096

I hope to find the alignment procedure also, My signal generator is warming up and standing by.

73
john

--- In orion565@yahoogroups.com, "Andrew B. Steen" <n2gff@...> wrote:
>
> Hello John.
>
> I too, have an issue with the master oscillator, as it is out about 57 Hz on
> 10mhz. On the low end of 80, I have to put in about 20Hz higher to be on
> frequency.
>
> I seem to remember a pretty good tutorial on the reflector some years back,
> but I haven't found it yet.
>
> Maybe someone out there can enlighten us.
>
> Andrew
>
> K6STN
>
>
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> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of John_Tn
> Sent: Thursday, March 22, 2012 8:42 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Does anyone have the alignment procedure for Orion II?
>
>
>
>
>
>
> My O2 seems to be off frequency so I need the alignment procedure. Maybe
> someone has a copy of the service manual?
>
> 73
> John
> KC2QMA
>
>
>
>

>
> [Non-text portions of this message have been removed]
>

8097. Re: [orion565] Does anyone have the alignment procedure for Orion II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-24 15:58:01 UTC
From: Richard
Topic: 8095 Message: 8097

I bet there is a pot to adjust it somewhere.

C. Richard Pumphrey

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On Mar 24, 2012, at 10:08 AM, "Andrew B. Steen" <n2gff@...> wrote:

> Hello John.
>
> I too, have an issue with the master oscillator, as it is out about 57 Hz on
> 10mhz. On the low end of 80, I have to put in about 20Hz higher to be on
> frequency.
>
> I seem to remember a pretty good tutorial on the reflector some years back,
> but I haven't found it yet.
>
> Maybe someone out there can enlighten us.
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> Andrew
>
> K6STN
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of John_Tn
> Sent: Thursday, March 22, 2012 8:42 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Does anyone have the alignment procedure for Orion II?
>
> My O2 seems to be off frequency so I need the alignment procedure. Maybe
> someone has a copy of the service manual?
>
> 73
> John
> KC2QMA
>
> [Non-text portions of this message have been removed]
>
>
>
>
> TODAY(Beta) • Powered by Yahoo!
> Female racers who aren't named Danica

> Katherine Legge leads a group of six women who are trying to change the face of motor sports.
> Privacy Policy

[Non-text portions of this message have been removed]

8098. Re: Does anyone have the alignment procedure for Orion II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-24 16:13:38 UTC
From: John_Tn
Topic: 8095 Message: 8098

I'll bet there are a few pots, but witch ones?
To do the alignment procedure proper you need an accurate reference signal and the exact steps in sequence.
I wonder if a service manual exists.

John
KC2QMA

--- In orion565@yahoogroups.com, Richard <wn9ddv@...> wrote:
>
> I bet there is a pot to adjust it somewhere.
>
> C. Richard Pumphrey
>
>
> NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.
>
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>
>
> On Mar 24, 2012, at 10:08 AM, "Andrew B. Steen" <n2gff@...> wrote:
>
> > Hello John.
> >
> > I too, have an issue with the master oscillator, as it is out about 57 Hz on
> > 10mhz. On the low end of 80, I have to put in about 20Hz higher to be on
> > frequency.
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> > I seem to remember a pretty good tutorial on the reflector some years back,
> > but I haven't found it yet.
> >
> > Maybe someone out there can enlighten us.
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> > Andrew
> >
> > K6STN
> >
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > Of John_Tn
> > Sent: Thursday, March 22, 2012 8:42 PM
> > To: orion565@yahoogroups.com

> > Subject: [orion565] Does anyone have the alignment procedure for Orion II?
> >
> > My O2 seems to be off frequency so I need the alignment procedure. Maybe
> > someone has a copy of the service manual?
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> > 73
> > John
> > KC2QMA
> >
> > [Non-text portions of this message have been removed]
> >
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> >
> > TODAY(Beta) â□¢ Powered by Yahoo!
> > Female racers who aren't named Danica
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> > Privacy Policy
>
> [Non-text portions of this message have been removed]
>

8099. Re: Does anyone have the alignment procedure for Orion II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-24 16:28:17 UTC
From: wa4oss@netzero.net
Topic: 8095 Message: 8099

You might want to look here at Ron's page. http://www.n6ie.com/TXCO%20Calibration.htm

--- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@...> wrote:
>
> I'll bet there are a few pots, but witch ones?
> To do the alignment procedure proper you need an accurate reference signal and the exact steps in sequence.
> I wonder if a service manual exists.
>
> John
> KC2QMA
>
>
>
> --- In orion565@yahoogroups.com, Richard <wn9ddv@> wrote:
> >
> > I bet there is a pot to adjust it somewhere.
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> > C. Richard Pumphrey
> >
> >
> > NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.
> >
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> >
> > On Mar 24, 2012, at 10:08 AM, "Andrew B. Steen" <n2gff@> wrote:
> >
> > > Hello John.
> > >
> > > I too, have an issue with the master oscillator, as it is out about 57 Hz on
> > > 10mhz. On the low end of 80, I have to put in about 20Hz higher to be on
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> > > K6STN
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> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > > Of John_Tn
> > > Sent: Thursday, March 22, 2012 8:42 PM
> > > To: orion565@yahoogroups.com
> > > Subject: [orion565] Does anyone have the alignment procedure for Orion II?
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> > > My O2 seems to be off frequency so I need the alignment procedure. Maybe
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> > > [Non-text portions of this message have been removed]
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> > [Non-text portions of this message have been removed]
> >
>

8100. Re: [orion565] Does anyone have the alignment procedure for Orion II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-24 18:38:26 UTC
From: Yahoo
Topic: 8095 Message: 8100

Richard,

I found this for you on the web. I used someone's writeup similar to this.

http://blog.aa6e.net/2005/08/orion-frequency-calibration.html

Here is another

http://www.n5na.net/download/Orion_Freq_Calibration.pdf

Hope this helps,

Jay - KT5E

On Mar 24, 2012, at 9:58 AM, Richard wrote:

> I bet there is a pot to adjust it somewhere.
>
> C. Richard Pumphrey
>
>
> NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.
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> On Mar 24, 2012, at 10:08 AM, "Andrew B. Steen" <n2gff@...> wrote:
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>> Hello John.
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>> 10mhz. On the low end of 80, I have to put in about 20Hz higher to be on
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>> Maybe someone out there can enlighten us.
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>> Andrew
>>
>> K6STN

>>
>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
>> Of John_Tn
>> Sent: Thursday, March 22, 2012 8:42 PM
>> To: orion565@yahoogroups.com
>> Subject: [orion565] Does anyone have the alignment procedure for Orion II?
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>> John
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>> [Non-text portions of this message have been removed]
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>>
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>> Privacy Policy
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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8101. Re: [orion565] Does anyone have the alignment procedure for Orion II?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-24 19:02:19 UTC
From: Richard
Topic: 8095 Message: 8101

My is okay. John was looking for this. The pics help!

C. Richard Pumphrey

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On Mar 24, 2012, at 2:38 PM, Yahoo <jayschwisow@...> wrote:

> Richard,
>
> I found this for you on the web. I used someone's writeup similar to this.
>
> http://blog.aa6e.net/2005/08/orion-frequency-calibration.html
>
> Here is another
>
> http://www.n5na.net/download/Orion_Freq_Calibration.pdf
>
> Hope this helps,
>
> Jay - KT5E
>
>
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> On Mar 24, 2012, at 9:58 AM, Richard wrote:
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>> On Mar 24, 2012, at 10:08 AM, "Andrew B. Steen" <n2gff@...> wrote:

>>
>>> Hello John.
>>>
>>> I too, have an issue with the master oscillator, as it is out about 57 Hz on
>>> 10mhz. On the low end of 80, I have to put in about 20Hz higher to be on
>>> frequency.
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>>> I seem to remember a pretty good tutorial on the reflector some years back,
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>>> Maybe someone out there can enlighten us.
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>>> Andrew
>>>
>>> K6STN
>>>
>>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
>>> Of John_Tn
>>> Sent: Thursday, March 22, 2012 8:42 PM
>>> To: orion565@yahoogroups.com
>>> Subject: [orion565] Does anyone have the alignment procedure for Orion II?
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>>> My O2 seems to be off frequency so I need the alignment procedure. Maybe
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>>> [Non-text portions of this message have been removed]
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>> [Non-text portions of this message have been removed]
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>> Yahoo! Groups Links
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> Yahoo! Groups Links
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>

8102. RE: [orion565] Digest Number 1864

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-25 03:09:40 UTC
From: Brad Bradford
Topic: 8102 Message: 8102

TRY TURNING THE PRE-AMP OFF, THEN TURN THE RF GAIN DOWN TO AROUND45 TO 60. THE ORION II HAS A VERY HOT RECEIVER AND YOU CAN EASILY DISTORT THE AUDIO - GOOD LUCK!!
BRAD BRADFORD
W9GOD / NNN0PKC NAVY MARINE CORPS MARS "SERVING THOSE THAT SERVE"
Date: Thu, 22 Mar 2012 09:46:32 +0000
From: orion565@yahoogroups.com
To: orion565@yahoogroups.com
Subject: [orion565] Digest Number 1864

Ten-Tec Orion 565/566

Ten-Tec Orion 565/566

Messages In This Digest (2
Messages)

1a.

Re: Anyone in the Nashville area with ORION II?
From:
John_Tn
1b.

Re: Anyone in the Nashville area with ORION II?
From:
Richard

View All Topics | Create New Topic

Messages

1a.

Re: Anyone in the Nashville area with ORION II?

Posted by: "John_Tn"
john-m-junk@...

magmusic75

Wed Mar 21, 2012 8:36 am (PDT)

Thanks Richard,

Im going to try to meet up with Ron and compare radios to see if there is somthing wron with my radio.

--- In orion565@yahoogroups.com, Richard <wn9ddv@...> wrote:

>

> Sure. 865-335-4710

>

> C. Richard Pumphrey

>

>

> NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

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>

> On Mar 20, 2012, at 5:53 PM, "john-m-junk@..."<john-m-junk@...> wrote:

>

> > Hi richard,

> > Could i call you i would like to ask a few questions?

> > John

> >

> > Sent from my Verizon Wireless Droid

> >

> > -----Original message-----

> > From: Richard <wn9ddv@...>

> > To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>

> > Sent: Tue, Mar 20, 2012 21:20:49 GMT+00:00

> > Subject: Re: [orion565] Anyone in the Nashville area with ORION II?

> >

> > I am in Knoxville. Play with settings on bandwidth and make sure pass band is set at zero. Make sure DSP is off. Check it with internal and external speakers. I had to resolder speaker plug for the external speaker.

> >

> > C. Richard Pumphrey

> >

> > NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

> >

> >

> >

> >

> > On Mar 20, 2012, at 2:53 PM, "John_Tn" <john-m-junk@...> wrote:

> >

> > > Hello, I just got an Orion II and to me the audio sounds strange like it has some distortion? I wanted to see if there was Anyone in the Nashville area with an orion ii that i could come and listen to and compare to mine and see if my unit has a problem.

> > >

> > > Thanks

> > > John

> > > KC2QMA

> > >

> > >

> > >

> > >

> > > TODAY(Beta) ??? Powered by Yahoo!

> > > Ways to turn your clutter into cash

> > > Find out how to sell unused small kitchen appliances ???????? even if they're broken.

> > > Privacy Policy

> >

> > [Non-text portions of this message have been removed]

> >

> > [Non-text portions of this message have been removed]

> >

> >

>

> [Non-text portions of this message have been removed]

>

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(13)

1b.

Re: Anyone in the Nashville area with ORION II?

Posted by: "Richard"
wn9ddv@...

wn9ddv

Wed Mar 21, 2012 11:43 am (PDT)

Good idea. If there is ten Tec can fix it. I have not down loaded the latest software. I may take it over to the factory and let them do it. I may get the new sub receiver also. Good reports on it.

C. Richard Pumphrey

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On Mar 21, 2012, at 11:36 AM, "John_Tn" <john-m-junk@...> wrote:

> Thanks Richard,

> Im going to try to meet up with Ron and compare radios to see if there is somthing wron with my radio.

>

> --- In orion565@yahoogroups.com, Richard <wn9ddv@...> wrote:

> >

> > Sure. 865-335-4710

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> > C. Richard Pumphrey

> >

> >

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> > > Hi richard,

> > > Could i call you i would like to ask a few questions?

> > > John

> > >

> > > Sent from my Verizon Wireless Droid

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> > > -----Original message-----

> > > From: Richard <wn9ddv@...>

> > > To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>

> > > Sent: Tue, Mar 20, 2012 21:20:49 GMT+00:00

> > > Subject: Re: [orion565] Anyone in the Nashville area with ORION II?

> > >

> > > I am in Knoxville. Play with settings on bandwidth and make sure pass band is set at zero. Make sure DSP is off. Check it with internal and external speakers. I had to resolder speaker plug for the external speaker.

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> > > C. Richard Pumphrey

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> > > > Hello, I just got an Orion II and to me the audio sounds strange like it has some distortion? I wanted to see if there was Anyone in the Nashville area with an orion ii that i could come and listen to and compare to mine and see if my unit has a problem.

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> > > > Ways to turn your clutter into cash

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> > > [Non-text portions of this message have been removed]

> > >

> > > [Non-text portions of this message have been removed]

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> > [Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

8103. Re: Does anyone have the alignment procedure for Orion II? UPDATE!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-25 19:25:36 UTC
From: John_Tn
Topic: 8095 Message: 8103

Well I did the alignment with my signal generator checked the frequency against a very accurate frequency counter. I was able to get the Orion with in 1Hz usually about 0.5Hz after the radio is on for 2 hours. My room temps was 75.F.

When I first got my Orion it was way off frequency almost 60Hz. after the alignment when I tune to lets say 7.200.00mhz the most it drifts is up to 7.200.01 or less depending on room temp. Not too bad at all! I then checked it against 15.000.00 WWV and it was just about prefect, So if you have good ears or are able to use a frequency counter you do this just using WWV but if you want to be able to get it to.05hz you need very accurate signal and frequency counter.

Now that I have had the Orion for a week I must say I am very impressed with it. When I first started to use the radio I set it just like I would set my Japanese radios, and yes you bet it sounded terrible and that's because I did not understand the concept of how the Orion is different than other radios.

The Orion II is not like any other transceiver on the market the design philosophy is very different than the import radios. The Orion II is a true "Operators" transceiver and can be more hands on but when you start to understand the options you have you find you can hear signals that you never herd before. I believe Ten Tec took some of the technology from their military communications division and passed some of it to the Orion II, it is simple, powerful, easy to repair and upgrade but most important is its ability to hear signals better than any other radio.

What I originally thought was a noisy radio turned out to be the quietest radio I have ever used. I found the key to the Orion is working with the AGC and Gain, once you get this part you find out just how amazing the Orion is. Like with most radios I might generally crank the gain all the way up and work with all the other controls to mitigate the noise to hear weak signals. With the Orion you can set the gain much lower and work with attenuation and get the noise level incredibly low. And just when you thought "do I have enough gain" and the receive goes almost silent BAM!!! Someone hits you with a +30 signal and blows you out of the chair. Bottom Line is Don't mistake quietness with low gain.

Well I have more to learn but I look forward to seeing how far I can take the Orion.

Thanks for everyone's help getting me started, that's the other thing I found was that Ten Tec users are some of the nicest people.

73's
John
KC2QMA

--- In orion565@yahoogroups.com, Richard <wn9ddv@...> wrote:
>
> My is okay. John was looking for this. The pics help!
>
> C. Richard Pumphrey
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> > I found this for you on the web. I used someone's writeup similar to this.
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> > http://blog.aa6e.net/2005/08/orion-frequency-calibration.html
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> >
> > http://www.n5na.net/download/Orion_Freq_Calibration.pdf
> >
> > Hope this helps,
> >
> > Jay - KT5E
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> >
> > On Mar 24, 2012, at 9:58 AM, Richard wrote:
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> >> I bet there is a pot to adjust it somewhere.
> >>
> >> C. Richard Pumphrey
> >>
> >>
> >> NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.
> >>
> >>
> >>
> >>
> >>
> >>
> >> On Mar 24, 2012, at 10:08 AM, "Andrew B. Steen" <n2gff@...> wrote:
> >>
> >>> Hello John.
> >>>

> >>> I too, have an issue with the master oscillator, as it is out about 57 Hz on
> >>> 10mhz. On the low end of 80, I have to put in about 20Hz higher to be on
> >>> frequency.
> >>>
> >>> I seem to remember a pretty good tutorial on the reflector some years back,
> >>> but I haven't found it yet.
> >>>
> >>> Maybe someone out there can enlighten us.
> >>>
> >>> Andrew
> >>>
> >>> K6STN
> >>>
> >>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> >>> Of John_Tn
> >>> Sent: Thursday, March 22, 2012 8:42 PM
> >>> To: orion565@yahoogroups.com
> >>> Subject: [orion565] Does anyone have the alignment procedure for Orion II?
> >>>
> >>> My O2 seems to be off frequency so I need the alignment procedure. Maybe
> >>> someone has a copy of the service manual?
> >>>
> >>> 73
> >>> John
> >>> KC2QMA
> >>>
> >>> [Non-text portions of this message have been removed]
> >>>
> >>>
> >>>
> >>>
> >>> TODAY(Beta) ï¿½ Powered by Yahoo!
> >>> Female racers who aren't named Danica
> >>> Katherine Legge leads a group of six women who are trying to change the face of motor
sports.
> >>> Privacy Policy
> >>
> >> [Non-text portions of this message have been removed]
> >>
> >>
> >>
> >> ------------------------------------
> >>
> >>
> >> Yahoo! Groups Links
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> >
> > [Non-text portions of this message have been removed]
> >
> >
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> >
> >
> > Yahoo! Groups Links
> >
> >
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>

8104. Re: Does anyone have the alignment procedure for Orion II? UPDATE!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-26 16:32:33 UTC
From: billw5ao
Topic: 8095 Message: 8104

John,
You must be an experienced operator, everything you wrote is very true but most peeps don't come to this realization within 2 weeks like you did. I know it took me longer than that. Yes, more AGC threshold (2-3), appropriate decay, and turn back RF gain so that band is quiet with no signals and then kick in the NR at about '1' and you have a receiver quiet as a two meter squelched.

73,

Bill
W5AO

> What I originally thought was a noisy radio turned out to be the quietest radio I have ever used. I found the key to the Orion is working with the AGC and Gain, once you get this part you find out just how amazing the Orion is. Like with most radios I might generally crank the gain all the way up and work with all the other controls to mitigate the noise to hear weak signals. With the Orion you can set the gain much lower and work with attenuation and get the noise level incredibly low. And just when you thought "do I have enough gain" and the receive goes almost silent BAM!!! Someone hits you with a +30 signal and blows you out of the chair. Bottom Line is Don't mistake quietness with low gain.
>
> Well I have more to learn but I look forward to seeing how far I can take the Orion.
>
> Thanks for everyone's help getting me started, that's the other thing I found was that Ten Tec users are some of the nicest people.
>
> 73's
> John
> KC2QMA
>

8105. Re: Orion II and AGC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-26 17:06:51 UTC
From: billw5ao
Topic: 8089 Message: 8105

Default settings produce a noisy receiver I have found. The greatest impact on this seems to be proper threshold and ALWAYS use the RF gain, don't just leave it at 100 on bands below 21MHZ. 80M I typically run it in the 60s.

hang relates to slow med and fast AGC. I have slow =.51, med =.25, fast =0.0. Variations from this to your taste.

Threshold between 2 and 3. Threshold relates to band noise generally and signal strength only if a very weak signal. Without an antenna connected, threshold at 2 makes the minimum s meter reading between s1 and s2, threshold at 3 makes minimum s meter reading between s2 and s3. So for weak signal work on quiet bands you may need less threshold, I use prog for that and it is used rarely.

Decay slow =15, med = 30, fast =80 to taste.

For a quiet receiver, more AGC threshold generally and turn back RF gain about to the level of vacant band noise and then kick in the NR at about '1' and you have a receiver quiet as a two meter squelched.

73,

Bill
W5AO

--- In orion565@yahoogroups.com, "ki4ps" <ki4ps@...> wrote:
>
> I've owned my Orion II for several weeks now. Having fun with the adjustable AGC.
>
> Using the default settings seems to be very aggressive. I've changed the hang time from 0.0 to 00.47 s, for the slow, and it smooths out the SSB.
>
> I still have my other settings for CW which I do a lot of.
>
> I would be interested in what others are using for their AGC settings for both SSB, and CW.
>
> Jerry
> ki4ps
>

8106. Re: Orion II and AGC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-27 07:02:19 UTC
From: pa1ap
Topic: 8089 Message: 8106

Very practical explanation and thanks for sharing Bill!

if I may add some theoretical information:

The receiver becomes (more) quiet when the agc activation point is moved above the undesired signal. By default the agc activation point is often below the band noise and this results in normalized band noise through agc routine. All signals above agc activation point have the same audio presence. Signals below agc activation point have less audio presence.

Unless you consider band noise as desired signal the recommendation is to move agc activation point above band noise and treat band noise as undesired.

Both threshold and rf gain move the agc activation point but its control use is opposite.. To move the agc activation point up one can turn -up- threshold or turn -down- rf gain. Both threshold and rf gain move the same agc activation point.

An example you can try; If you move the agc activation point using threshold to lets say s5 on the smeter (threshold value 16uV) you will notice that turning rf gain only starts changing something when turned below 78... This because rf gain range 100-80 is below the threshold value of 16uV and as such makes no difference. This confirms that the highest agc activation point is used from either threshold or rf gain.

I like the way Bill sets threshold to a higher value using one of the agc modes. Rotate through agc mode will up/down agc activation according settings. Keep in mind that each band might have different levels of undesired signals depending on time, environment, antennas etc.

Last but not least; there are different opinions on how high the agc activation level should be set. Some adjust the value just a little above band noise and some move it even above desired signals. The latter means that audio of desired signals below agc activation point will have less audio presence and as such you have to turn up the af volume. I have no opinion on this except that you should try all opinions to see which one works best for you.

Hope this provided some value. Enjoy the rig. Best regards, onno

--- In orion565@yahoogroups.com, "billw5ao" <w5ao@...> wrote:
>
> Default settings produce a noisy receiver I have found. The greatest impact on this seems to be proper threshold and ALWAYS use the RF gain, don't just leave it at 100 on bands below 21MHZ. 80M I typically run it in the 60s.
>
> hang relates to slow med and fast AGC. I have slow =.51, med =.25, fast =0.0. Variations from this to your taste.
>
> Threshold between 2 and 3. Threshold relates to band noise generally and signal strength

only if a very weak signal. Without an antenna connected, threshold at 2 makes the minimum s meter reading between s1 and s2, threshold at 3 makes minimum s meter reading between s2 and s3. So for weak signal work on quiet bands you may need less threshold, I use prog for that and it is used rarely.
>
> Decay slow =15, med = 30, fast =80 to taste.
>
> For a quiet receiver, more AGC threshold generally and turn back RF gain about to the level of vacant band noise and then kick in the NR at about '1' and you have a receiver quiet as a two meter squelched.
>
> 73,
>
> Bill
> W5AO
>
> --- In orion565@yahoogroups.com, "ki4ps" <ki4ps@> wrote:
> >
> > I've owned my Orion II for several weeks now. Having fun with the adjustable AGC.
> >
> > Using the default settings seems to be very aggressive. I've changed the hang time from 0.0 to 00.47 s, for the slow, and it smooths out the SSB.
> >
> > I still have my other settings for CW which I do a lot of.
> >
> > I would be interested in what others are using for their AGC settings for both SSB, and CW.
> >
> > Jerry
> > ki4ps
> >
>

8107. Re: [orion565] Re: Orion II and AGC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-27 11:25:02 UTC
From: Barry N1EU
Topic: 8089 Message: 8107

On Tue, Mar 27, 2012 at 7:02 AM, pa1ap <pa1ap@...> wrote:

> **
> I like the way Bill sets threshold to a higher value using one of the
> agc modes.
>
> --- In orion565@yahoogroups.com, "billw5ao" <w5ao@...> wrote:
>
> > Threshold between 2 and 3. Threshold relates to band noise generally and
> signal strength only if a very weak signal. Without an antenna connected,
> threshold at 2 makes the minimum s meter reading between s1 and s2,
> threshold at 3 makes minimum s meter reading between s2 and s3. So for weak
> signal work on quiet bands you may need less threshold, I use prog for that
> and it is used rarely.
> >
>

It's fine to experiment with different AGC settings but realize that if you have your RF Gain set below 90, setting Threshold between 2 and 3 accomplishes nothing.

Barry N1EU

[Non-text portions of this message have been removed]

8108. Re: [orion565] Re: Orion II and AGC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-27 11:26:14 UTC
From: MSport 325
Topic: 8089 Message: 8108

Thanks Bill and Ono for the explanation and info.
Ive had my Orion II for over a year now and have just tried your personal settings. VERY NICE! A definite improvement to what I had before.
A great radio produced by TenTec for sure, I cant imagine ever parting with it.
cheers Vk3IDX - Richard

On Tue, Mar 27, 2012 at 6:02 PM, pa1ap <pa1ap@...> wrote:

> **
>
>
>
>
> Very practical explanation and thanks for sharing Bill!
>
> if I may add some theoretical information:
>
> The receiver becomes (more) quiet when the agc activation point is moved
> above the undesired signal. By default the agc activation point is often
> below the band noise and this results in normalized band noise through agc
> routine. All signals above agc activation point have the same audio
> presence. Signals below agc activation point have less audio presence.
>
> Unless you consider band noise as desired signal the recommendation is to
> move agc activation point above band noise and treat band noise as
> undesired.
>
> Both threshold and rf gain move the agc activation point but its control
> use is opposite.. To move the agc activation point up one can turn -up-
> threshold or turn -down- rf gain. Both threshold and rf gain move the same
> agc activation point.
>
> An example you can try; If you move the agc activation point using
> threshold to lets say s5 on the smeter (threshold value 16uV) you will
> notice that turning rf gain only starts changing something when turned
> below 78... This because rf gain range 100-80 is below the threshold value
> of 16uV and as such makes no difference. This confirms that the highest agc
> activation point is used from either threshold or rf gain.
>
> I like the way Bill sets threshold to a higher value using one of the agc
> modes. Rotate through agc mode will up/down agc activation according
> settings. Keep in mind that each band might have different levels of
> undesired signals depending on time, environment, antennas etc.
>

> Last but not least; there are different opinions on how high the agc
> activation level should be set. Some adjust the value just a little above
> band noise and some move it even above desired signals. The latter means
> that audio of desired signals below agc activation point will have less
> audio presence and as such you have to turn up the af volume. I have no
> opinion on this except that you should try all opinions to see which one
> works best for you.
>
> Hope this provided some value. Enjoy the rig. Best regards, onno
>
>
> --- In orion565@yahoogroups.com, "billw5ao" <w5ao@...> wrote:
> >
> > Default settings produce a noisy receiver I have found. The greatest
> impact on this seems to be proper threshold and ALWAYS use the RF gain,
> don't just leave it at 100 on bands below 21MHZ. 80M I typically run it in
> the 60s.
> >
> > hang relates to slow med and fast AGC. I have slow =.51, med =.25, fast
> =0.0. Variations from this to your taste.
> >
> > Threshold between 2 and 3. Threshold relates to band noise generally and
> signal strength only if a very weak signal. Without an antenna connected,
> threshold at 2 makes the minimum s meter reading between s1 and s2,
> threshold at 3 makes minimum s meter reading between s2 and s3. So for weak
> signal work on quiet bands you may need less threshold, I use prog for that
> and it is used rarely.
> >
> > Decay slow =15, med = 30, fast =80 to taste.
> >
> > For a quiet receiver, more AGC threshold generally and turn back RF gain
> about to the level of vacant band noise and then kick in the NR at about
> '1' and you have a receiver quiet as a two meter squelched.
> >
> > 73,
> >
> > Bill
> > W5AO
> >
> > --- In orion565@yahoogroups.com, "ki4ps" <ki4ps@> wrote:
> > >
> > > I've owned my Orion II for several weeks now. Having fun with the
> adjustable AGC.
> > >
> > > Using the default settings seems to be very aggressive. I've changed
> the hang time from 0.0 to 00.47 s, for the slow, and it smooths out the SSB.
> > >
> > > I still have my other settings for CW which I do a lot of.
> > >
> > > I would be interested in what others are using for their AGC settings

> for both SSB, and CW.
> > >
> > > Jerry
> > > ki4ps
> > >
> >
>
>
>

[Non-text portions of this message have been removed]

8109. Re: Orion II and AGC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-27 14:28:01 UTC
From: pa1ap
Topic: 8089 Message: 8109

Agreed.

The highest agc activation settings leads. If rf gain is set to higher agc activation level then theshold value this means that rf gain value leads.

If rf gain is set to 100 and threshold is set to reflect a s meter indication of s3, this means that agc activation point is set to s3... now if you turn down rf gain to lets say 70 then the threshold value becomes obsolete and rf gain takes over agc activation point.

Hope this helps, best regards, onno

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> On Tue, Mar 27, 2012 at 7:02 AM, pa1ap <pa1ap@...> wrote:
>
> > **
> > I like the way Bill sets threshold to a higher value using one of the
> > agc modes.
> >
> > --- In orion565@yahoogroups.com, "billw5ao" <w5ao@> wrote:
> >
> > > Threshold between 2 and 3. Threshold relates to band noise generally and
> > signal strength only if a very weak signal. Without an antenna connected,
> > threshold at 2 makes the minimum s meter reading between s1 and s2,
> > threshold at 3 makes minimum s meter reading between s2 and s3. So for weak
> > signal work on quiet bands you may need less threshold, I use prog for that
> > and it is used rarely.
> > >
> >
>
> It's fine to experiment with different AGC settings but realize that if you
> have your RF Gain set below 90, setting Threshold between 2 and 3
> accomplishes nothing.
>
> Barry N1EU
>
>
> [Non-text portions of this message have been removed]
>

8110. Re: Does anyone have the alignment procedure for Orion II? UPDATE!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-27 15:26:29 UTC
From: John_Tn
Topic: 8095 Message: 8110

Yes the Orion is very quiet. Even when I turn off all dsp, Preamp, NR and set the gain at 100 the radio is quieter than any of my other radios with the same settings.
I do feel that the Orion II could use a cooling fan for the case to lower case temperature? Not only will this help with frequency stability it should make the Orion last a lot longer?

John
KC2QMA

--- In orion565@yahoogroups.com, "billw5ao" <w5ao@...> wrote:
>
> John,
> You must be an experienced operator, everything you wrote is very true but most peeps don't come to this realization within 2 weeks like you did. I know it took me longer than that. Yes, more AGC threshold (2-3), appropriate decay, and turn back RF gain so that band is quiet with no signals and then kick in the NR at about '1' and you have a receiver quiet as a two meter squelched.
>
> 73,
>
> Bill
> W5AO
>
>
> > What I originally thought was a noisy radio turned out to be the quietest radio I have ever used. I found the key to the Orion is working with the AGC and Gain, once you get this part you find out just how amazing the Orion is. Like with most radios I might generally crank the gain all the way up and work with all the other controls to mitigate the noise to hear weak signals. With the Orion you can set the gain much lower and work with attenuation and get the noise level incredibly low. And just when you thought "do I have enough gain" and the receive goes almost silent BAM!!! Someone hits you with a +30 signal and blows you out of the chair. Bottom Line is Don't mistake quietness with low gain.
> >
> > Well I have more to learn but I look forward to seeing how far I can take the Orion.
> >
> > Thanks for everyone's help getting me started, that's the other thing I found was that Ten Tec users are some of the nicest people.
> >
> > 73's
> > John
> > KC2QMA
> >
>

8111. RE: [orion565] Re: Does anyone have the alignment procedure for Orion II? UPDATE!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-27 17:02:46 UTC
From: Andrew B. Steen
Topic: 8095 Message: 8111

I took the plunge yesterday, and pulled off the bottom cover.

By switching between USB, and LSB, I was able to fine tune the TCXO. By checking the calibration with a friend's spectrum analyzer, My offset is now 1 Hz on 80, 5Hz on 40, and a little more on 20M.

Before the fix, it was 20Hz on 80, 60Hz on 10.000Mhz, and 93 HZ on 15.000 Mhz.

I did not feel any excessive heat on the board. My case over the TCXO and board remains cool to the touch, even after running for over 6 hours.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John_Tn
Sent: Tuesday, March 27, 2012 8:26 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Does anyone have the alignment procedure for Orion II? UPDATE!

Yes the Orion is very quiet. Even when I turn off all dsp, Preamp, NR and set the gain at 100 the radio is quieter than any of my other radios with the same settings.
I do feel that the Orion II could use a cooling fan for the case to lower case temperature? Not only will this help with frequency stability it should make the Orion last a lot longer?

John
KC2QMA

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "billw5ao" <w5ao@...> wrote:
>
> John,
> You must be an experienced operator, everything you wrote is very true but most peeps don't come to this realization within 2 weeks like you did. I know it took me longer than that. Yes, more AGC threshold (2-3), appropriate decay, and turn back RF gain so that band is quiet with no signals and then kick in the NR at about '1' and you have a receiver quiet as a two meter squelched.
>
> 73,
>

> Bill
> W5AO
>
>
> > What I originally thought was a noisy radio turned out to be the quietest radio I have ever used. I found the key to the Orion is working with the AGC and Gain, once you get this part you find out just how amazing the Orion is. Like with most radios I might generally crank the gain all the way up and work with all the other controls to mitigate the noise to hear weak signals. With the Orion you can set the gain much lower and work with attenuation and get the noise level incredibly low. And just when you thought "do I have enough gain" and the receive goes almost silent. BAM!!! Someone hits you with a +30 signal and blows you out of the chair. Bottom Line is Don't mistake quietness with low gain.
> >
> > Well I have more to learn but I look forward to seeing how far I can take the Orion.
> >
> > Thanks for everyone's help getting me started, that's the other thing I found was that Ten Tec users are some of the nicest people.
> >
> > 73's
> > John
> > KC2QMA
> >
>

[Non-text portions of this message have been removed]

8112. Simple Non Destructive Case Fan Mod for the Orion Series.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-27 21:02:57 UTC
From: John_Tn
Topic: 8112 Message: 8112

Simple non destructive Case fan mod for the Orion.
I feel that the Orion II gets a bit hot inside the case and all though the Orion will function ok at these higher temps I believe the addition of a case fan has 2 big advantages
1. Lower case temp helps with frequency stability.
2. Greatly extends the life of the display and other components due to thermal breakdown.

Since I use an external speaker I decided to remove the internal speaker leaving a nice 4" opening where the speaker was to act as a vent hole and place a 12vdc 120mm low speed fan. The fan is setup to exhaust air out of the case.

I then place ¼" weather stripping around the bottom of the fan to make a nice seal over the speaker hole. The weather stripping also helps avoid any vibration from the fan transferring to the case.
Then I just connect an RCA plug on the wire and plug it in to the 12v accessory connector on the back of the Orion and just sit it over the speaker hole.

If you wanted to make it more permanent you can mount the fan to the cover with the speaker cutouts and it will fit where the speaker was.

However By just placing the fan on top of the radio you don't have to anything but remove the internal speaker.

This simple mod has made my Orion II More frequency stable and has lowered the case temp dramatically. I believe this with extend the life of by a lot!

73's
John
KC2QMA

8113. Re: Simple Non Destructive Case Fan Mod for the Orion Series.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-27 21:10:04 UTC
From: John_Tn
Topic: 8112 Message: 8113

I placed 2 pictures of what the fan mod looked like in the photos/Misc "Orion Simple Fan Mod"

--- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@...> wrote:
>
> Simple non destructive Case fan mod for the Orion.
> I feel that the Orion II gets a bit hot inside the case and all though the Orion will function ok at these higher temps I believe the addition of a case fan has 2 big advantages
> 1. Lower case temp helps with frequency stability.
> 2. Greatly extends the life of the display and other components due to thermal breakdown.
>
> Since I use an external speaker I decided to remove the internal speaker leaving a nice 4" opening where the speaker was to act as a vent hole and place a 12vdc 120mm low speed fan. The fan is setup to exhaust air out of the case.
>
> I then place ¼" weather stripping around the bottom of the fan to make a nice seal over the speaker hole. The weather stripping also helps avoid any vibration from the fan transferring to the case.
> Then I just connect an RCA plug on the wire and plug it in to the 12v accessory connector on the back of the Orion and just sit it over the speaker hole.
>
> If you wanted to make it more permanent you can mount the fan to the cover with the speaker cutouts and it will fit where the speaker was.
>
> However By just placing the fan on top of the radio you don't have to anything but remove the internal speaker.
>
> This simple mod has made my Orion II More frequency stable and has lowered the case temp dramatically. I believe this with extend the life of by a lot!
>
> 73's
> John
> KC2QMA
>

8114. Re: Simple Non Destructive Case Fan Mod for the Orion Series.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-27 21:17:16 UTC
From: pa1ap
Topic: 8112 Message: 8114

Sweet and simple. Very nice solution indeed!

--- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@...> wrote:
>
> I placed 2 pictures of what the fan mod looked like in the photos/Misc "Orion Simple Fan Mod"
>
>
> --- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@> wrote:
> >
> > Simple non destructive Case fan mod for the Orion.
> > I feel that the Orion II gets a bit hot inside the case and all though the Orion will function ok at these higher temps I believe the addition of a case fan has 2 big advantages
> > 1. Lower case temp helps with frequency stability.
> > 2. Greatly extends the life of the display and other components due to thermal breakdown.
> >
> > Since I use an external speaker I decided to remove the internal speaker leaving a nice 4" opening where the speaker was to act as a vent hole and place a 12vdc 120mm low speed fan. The fan is setup to exhaust air out of the case.
> >
> > I then place ¼" weather stripping around the bottom of the fan to make a nice seal over the speaker hole. The weather stripping also helps avoid any vibration from the fan transferring to the case.
> > Then I just connect an RCA plug on the wire and plug it in to the 12v accessory connector on the back of the Orion and just sit it over the speaker hole.
> >
> > If you wanted to make it more permanent you can mount the fan to the cover with the speaker cutouts and it will fit where the speaker was.
> >
> > However By just placing the fan on top of the radio you don't have to anything but remove the internal speaker.
> >
> > This simple mod has made my Orion II More frequency stable and has lowered the case temp dramatically. I believe this with extend the life of by a lot!
> >
> > 73's
> > John
> > KC2QMA
> >
>

8115. Re: [orion565] Re: Does anyone have the alignment procedure for Orion II? UPDATE!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-28 01:27:45 UTC
From: Sam W Jacobs CET
Topic: 8095 Message: 8115

You can also use WWV as a reference. That's what I did, my O2 is now less than 1hz off.

-Sam
K3SAM

From: Andrew B. Steen <n2gff@...>
To: orion565@yahoogroups.com
Sent: Tuesday, March 27, 2012 1:02 PM
Subject: RE: [orion565] Re: Does anyone have the alignment procedure for Orion II? UPDATE!

I took the plunge yesterday, and pulled off the bottom cover.

By switching between USB, and LSB, I was able to fine tune the TCXO. By checking the calibration with a friend's spectrum analyzer, My offset is now 1 Hz on 80, 5Hz on 40, and a little more on 20M.

Before the fix, it was 20Hz on 80, 60Hz on 10.000Mhz, and 93 HZ on 15.000 Mhz.

I did not feel any excessive heat on the board. My case over the TCXO and board remains cool to the touch, even after running for over 6 hours.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John_Tn
Sent: Tuesday, March 27, 2012 8:26 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Does anyone have the alignment procedure for Orion II? UPDATE!

Yes the Orion is very quiet. Even when I turn off all dsp, Preamp, NR and set the gain at 100 the radio is quieter than any of my other radios with the same settings.
I do feel that the Orion II could use a cooling fan for the case to lower case temperature? Not only will this help with frequency stability it should make the Orion last a lot longer?

John
KC2QMA

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "billw5ao" <w5ao@...> wrote:

>
> John,
> You must be an experienced operator, everything you wrote is very true but most peeps don't come to this realization within 2 weeks like you did. I know it took me longer than that. Yes, more AGC threshold (2-3), appropriate decay, and turn back RF gain so that band is quiet with no signals and then kick in the NR at about '1' and you have a receiver quiet as a two meter squelched.
>
> 73,
>
> Bill
> W5AO
>
>
> > What I originally thought was a noisy radio turned out to be the quietest radio I have ever used. I found the key to the Orion is working with the AGC and Gain, once you get this part you find out just how amazing the Orion is. Like with most radios I might generally crank the gain all the way up and work with all the other controls to mitigate the noise to hear weak signals. With the Orion you can set the gain much lower and work with attenuation and get the noise level incredibly low. And just when you thought "do I have enough gain" and the receive goes almost silent. BAM!!! Someone hits you with a +30 signal and blows you out of the chair. Bottom Line is Don't mistake quietness with low gain.
> >
> > Well I have more to learn but I look forward to seeing how far I can take the Orion.
> >
> > Thanks for everyone's help getting me started, that's the other thing I found was that Ten Tec users are some of the nicest people.
> >
> > 73's
> > John
> > KC2QMA
> >
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8116. RE: [orion565] Re: Does anyone have the alignment procedure for Orion II? UPDATE!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-28 17:20:01 UTC
From: Andrew B. Steen
Topic: 8095 Message: 8116

Ah.. I meant to say that. I did the alignment using WWV on 15.000 Mhz by flipping from LSB to USB. My friend then confirmed that my ear is still pretty good.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Sam W Jacobs
CET
Sent: Tuesday, March 27, 2012 6:28 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Does anyone have the alignment procedure for Orion II? UPDATE!

You can also use WWV as a reference. That's what I did, my O2 is now less than 1hz off.

-Sam
K3SAM

From: Andrew B. Steen <n2gff@... <mailto:n2gff%40sbcglobal.net> >
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Sent: Tuesday, March 27, 2012 1:02 PM
Subject: RE: [orion565] Re: Does anyone have the alignment procedure for Orion II? UPDATE!

I took the plunge yesterday, and pulled off the bottom cover.

By switching between USB, and LSB, I was able to fine tune the TCXO. By
checking the calibration with a friend's spectrum analyzer, My offset is now
1 Hz on 80, 5Hz on 40, and a little more on 20M.

Before the fix, it was 20Hz on 80, 60Hz on 10.000Mhz, and 93 HZ on 15.000
Mhz.

I did not feel any excessive heat on the board. My case over the TCXO and
board remains cool to the touch, even after running for over 6 hours.

Andrew

K6STN

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
Of John_Tn
Sent: Tuesday, March 27, 2012 8:26 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] Re: Does anyone have the alignment procedure for Orion
II? UPDATE!

Yes the Orion is very quiet. Even when I turn off all dsp, Preamp, NR and set the gain at 100 the radio is quieter than any of my other radios with the same settings.
I do feel that the Orion II could use a cooling fan for the case to lower case temperature? Not only will this help with frequency stability it should make the Orion last a lot longer?

John
KC2QMA

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com> , "billw5ao" <w5ao@...> wrote:
>
> John,
> You must be an experienced operator, everything you wrote is very true but most peeps don't come to this realization within 2 weeks like you did. I know it took me longer than that. Yes, more AGC threshold (2-3), appropriate decay, and turn back RF gain so that band is quiet with no signals and then kick in the NR at about '1' and you have a receiver quiet as a two meter squelched.
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> 73,
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> Bill
> W5AO
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> > What I originally thought was a noisy radio turned out to be the quietest radio I have ever used. I found the key to the Orion is working with the AGC and Gain, once you get this part you find out just how amazing the Orion is. Like with most radios I might generally crank the gain all the way up and work with all the other controls to mitigate the noise to hear weak signals. With the Orion you can set the gain much lower and work with attenuation and get the noise level incredibly low. And just when you thought "do I have enough gain" and the receive goes almost silent. BAM!!! Someone hits you with a +30 signal and blows you out of the chair. Bottom Line is Don't mistake quietness with low gain.
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> > John
> > KC2QMA
> >
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8117. Re: Simple Non Destructive Case Fan Mod for the Orion Series.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-29 02:14:37 UTC
From: John_Tn
Topic: 8112 Message: 8117

The fan mod really works! Since I placed the fan on my case the TXCO stays stable to .005Hz.

And the case temp has dropped over 25.F WOW! The case is now cool to the touch especially the LCD display. This Thing Is Going To Last And Last!

I highly recommend this simple mod for you Orion. Better stability longer life!

73's

John

KC2QMA

SEE PICTURES HERE.

http://groups.yahoo.com/group/orion565/photos/recent/746313370/view
<http://groups.yahoo.com/group/orion565/photos/recent/746313370/view>

http://groups.yahoo.com/group/orion565/photos/recent/806905308/view
<http://groups.yahoo.com/group/orion565/photos/recent/806905308/view>

--- In orion565@...m, "pa1ap" <pa1ap@...> wrote:
>
> Sweet and simple. Very nice solution indeed!
>
> --- In orion565@yahoogroups.com, "John_Tn" john-m-junk@ wrote:
> >
> > I placed 2 pictures of what the fan mod looked like in the photos/Misc "Orion Simple Fan Mod"
> >
> >
> > --- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@> wrote:
> > >
> > > Simple non destructive Case fan mod for the Orion.
> > > I feel that the Orion II gets a bit hot inside the case and all though the Orion will function ok at these higher temps I believe the addition of a case fan has 2 big advantages
> > > 1. Lower case temp helps with frequency stability.
> > > 2. Greatly extends the life of the display and other components due to thermal breakdown.
> > >
> > > Since I use an external speaker I decided to remove the internal speaker leaving a nice 4" opening where the speaker was to act as a vent hole and place a 12vdc 120mm low speed fan. The fan is setup to exhaust air out of the case.

> > >
> > > I then place ¼" weather stripping around the bottom of the fan to make a nice seal over the speaker hole. The weather stripping also helps avoid any vibration from the fan transferring to the case.
> > > Then I just connect an RCA plug on the wire and plug it in to the 12v accessory connector on the back of the Orion and just sit it over the speaker hole.
> > >
> > > If you wanted to make it more permanent you can mount the fan to the cover with the speaker cutouts and it will fit where the speaker was.
> > >
> > > However By just placing the fan on top of the radio you don't have to anything but remove the internal speaker.
> > >
> > > This simple mod has made my Orion II More frequency stable and has lowered the case temp dramatically. I believe this with extend the life of by a lot!
> > >
> > > 73's
> > > John
> > > KC2QMA
> > >
> > >
>

[Non-text portions of this message have been removed]

8118. Re: Simple Non Destructive Case Fan Mod for the Orion Series.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-29 05:02:57 UTC
From: pa1ap
Topic: 8112 Message: 8118

There is one small suggestion I like to add and thats installing an 8-20 ohm resistor to replace the removed internal speaker. This just in case the external speaker is disconnected while the orion is running. I dont know if the speaker amplifier is protected for running without termination.

Second, more intrusive : why not use the internal speaker frame to install the fan internally?

best regards, onno

--- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@...> wrote:
>
>
> The fan mod really works! Since I placed the fan on my case the TXCO
> stays stable to .005Hz.
>
> And the case temp has dropped over 25.F WOW! The case is now cool to the
> touch especially the LCD display. This Thing Is Going To Last And Last!
>
> I highly recommend this simple mod for you Orion. Better stability
> longer life!
>
> 73's
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> John
>
> KC2QMA
>
> SEE PICTURES HERE.
>
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>
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> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Sweet and simple. Very nice solution indeed!
> >

> > --- In orion565@yahoogroups.com, "John_Tn" john-m-junk@ wrote:
> > >
> > > I placed 2 pictures of what the fan mod looked like in the
> photos/Misc "Orion Simple Fan Mod"
> > >
> > >
> > > --- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@> wrote:
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> > > > I feel that the Orion II gets a bit hot inside the case and all
> though the Orion will function ok at these higher temps I believe the
> addition of a case fan has 2 big advantages
> > > > 1. Lower case temp helps with frequency stability.
> > > > 2. Greatly extends the life of the display and other components
> due to thermal breakdown.
> > > >
> > > > Since I use an external speaker I decided to remove the internal
> speaker leaving a nice 4" opening where the speaker was to act as a vent
> hole and place a 12vdc 120mm low speed fan. The fan is setup to exhaust
> air out of the case.
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> > > > I then place ¼" weather stripping around the bottom of the fan
> to make a nice seal over the speaker hole. The weather stripping also
> helps avoid any vibration from the fan transferring to the case.
> > > > Then I just connect an RCA plug on the wire and plug it in to the
> 12v accessory connector on the back of the Orion and just sit it over
> the speaker hole.
> > > >
> > > > If you wanted to make it more permanent you can mount the fan to
> the cover with the speaker cutouts and it will fit where the speaker
> was.
> > > >
> > > > However By just placing the fan on top of the radio you don't have
> to anything but remove the internal speaker.
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> > > > This simple mod has made my Orion II More frequency stable and has
> lowered the case temp dramatically. I believe this with extend the life
> of by a lot!
> > > >
> > > > 73's
> > > > John
> > > > KC2QMA
> > > >
> > >
> > >
> >
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>
>

> [Non-text portions of this message have been removed]
>

8119. Re: Simple Non Destructive Case Fan Mod for the Orion Series.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-03-29 05:24:37 UTC
From: John_Tn
Topic: 8112 Message: 8119

Sure would not hurt to put a resistor in just in case. I had mentioned before that you could mount the fan from the inside and will fit in place of the speaker if you choose to do so.
I don't put anthing on top of the Orion so placing the fan on there was ok for me.
73's
John
KC2QMA

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> There is one small suggestion I like to add and thats installing an 8-20 ohm resistor to replace the removed internal speaker. This just in case the external speaker is disconnected while the orion is running. I dont know if the speaker amplifier is protected for running without termination.
>
> Second, more intrusive : why not use the internal speaker frame to install the fan internally?
>
> best regards, onno
>
> --- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@> wrote:
> >
> >
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> > And the case temp has dropped over 25.F WOW! The case is now cool to the
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> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > >
> > > Sweet and simple. Very nice solution indeed!
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> > > --- In orion565@yahoogroups.com, "John_Tn" john-m-junk@ wrote:
> > > >
> > > > I placed 2 pictures of what the fan mod looked like in the
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> > > > > Since I use an external speaker I decided to remove the internal
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> > hole and place a 12vdc 120mm low speed fan. The fan is setup to exhaust
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> > > > > I then place ¼" weather stripping around the bottom of the fan
> > to make a nice seal over the speaker hole. The weather stripping also
> > helps avoid any vibration from the fan transferring to the case.
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> > 12v accessory connector on the back of the Orion and just sit it over
> > the speaker hole.
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> > lowered the case temp dramatically. I believe this with extend the life
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> > > > > John
> > > > > KC2QMA
> > > > >
> > > > >
> > > >
> > >
> > >
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> > >
> > [Non-text portions of this message have been removed]
> >
>

8120. Orion 565 Upgrade to v3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-01 08:55:10 UTC
From: IK4PKN
Topic: 8120 Message: 8120

Hello everybody, I have done the upgrade from version 2.062a v2 to v3 3,030 new release, unfortunately after a few minutes the radio freezes, only the VFO and the ptt working ... Return to the previous version and everything works fine.
any suggestions?
regards
Paolo ik4pkn

8121. Re: Orion 565 Upgrade to v3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-01 10:02:33 UTC
From: pa1ap
Topic: 8120 Message: 8121

Hello Paolo,

Sorry to hear the upgrade does not work for you. To assist you we would need some more information.

1) did you follow the upgrade procedure as provided by ten tec? In other words, there is more needed than just start upgrade program.

2) do you have any remote control program connected to the orion? If so which programs?

3) can you advice what you mean by freeze....are all buttons and knobs disabled? or just the sub receiver? If you press the menu button do you still see the sub menus? Etc... more information please.

Best regards, onno

--- In orion565@yahoogroups.com, "IK4PKN" <ik4pkn@...> wrote:
>
> Hello everybody, I have done the upgrade from version 2.062a v2 to v3 3,030 new release, unfortunately after a few minutes the radio freezes, only the VFO and the ptt working ... Return to the previous version and everything works fine.
> any suggestions?
> regards
> Paolo ik4pkn
>

8122. SSB receive bandwidth

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-01 13:46:00 UTC
From: Alan
Topic: 8122 Message: 8122

Hi Folks,

I'm a new owner of a used Orion II and have a question. When I adjust the receive bandwidth above 2.4 Khz I hear a dramatic difference in the tone and quality of the audio. It sounds like the passband has moved either up or down. I've installed several different versions of firmware, but this still occurs. All settings are at factory default. Is something out of adjustment or am I missing something (it wouldn't be the first time, Hi!).

Tnx,

Al

8123. Re: [orion565] SSB receive bandwidth

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-01 14:38:43 UTC
From: Barry N1EU
Topic: 8122 Message: 8123

What you're probably hearing is the 6khz roofing filter kicking in above 2400hz selectivity, and it might have a different center point so the passband might actually be shifting on you. I can hear it on my Orion but it's not that much of a shift - probably less than 50hz.

Barry N1EU

On Sun, Apr 1, 2012 at 1:46 PM, Alan <alw8oc@...> wrote:

> **
>
>
> Hi Folks,
>
> I'm a new owner of a used Orion II and have a question. When I adjust the
> receive bandwidth above 2.4 Khz I hear a dramatic difference in the tone
> and quality of the audio. It sounds like the passband has moved either up
> or down. I've installed several different versions of firmware, but this
> still occurs. All settings are at factory default. Is something out of
> adjustment or am I missing something (it wouldn't be the first time, Hi!).
>
> Tnx,
>
> Al
>
>
>

[Non-text portions of this message have been removed]

8124. Re: SSB receive bandwidth

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-01 15:46:17 UTC
From: Alan
Topic: 8122 Message: 8124

Tnx for the response Barry. That's exactly what's happening. Is there a way to adjust the center point on the 6 Khz filter? I did do a master rest battery failure, ram clear, and master reset. That seemed to help a bit, but there is still a difference. Just wanted to make sure what I was hearing was normal for the rig.

Al

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> What you're probably hearing is the 6khz roofing filter kicking in above
> 2400hz selectivity, and it might have a different center point so the
> passband might actually be shifting on you. I can hear it on my Orion but
> it's not that much of a shift - probably less than 50hz.
>
> Barry N1EU
>
>
>
> On Sun, Apr 1, 2012 at 1:46 PM, Alan <alw8oc@...> wrote:
>
> > **
> > >
> > >
> > Hi Folks,
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> > or down. I've installed several different versions of firmware, but this
> > still occurs. All settings are at factory default. Is something out of
> > adjustment or am I missing something (it wouldn't be the first time, Hi!).
> > >
> > Tnx,
> > >
> > Al
> > >
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> > >
>
>
> [Non-text portions of this message have been removed]
>

8125. Re: [orion565] Re: SSB receive bandwidth

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-01 16:25:45 UTC
From: Barry N1EU
Topic: 8122 Message: 8125

no adjustment, normal ;-)

73,
Barry N1EU

On Sun, Apr 1, 2012 at 3:46 PM, Alan <alw8oc@...> wrote:

> **
>
>
> Tnx for the response Barry. That's exactly what's happening. Is there a
> way to adjust the center point on the 6 Khz filter? I did do a master rest
> battery failure, ram clear, and master reset. That seemed to help a bit,
> but there is still a difference. Just wanted to make sure what I was
> hearing was normal for the rig.
>
> Al
>
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
> >
> > What you're probably hearing is the 6khz roofing filter kicking in above
> > 2400hz selectivity, and it might have a different center point so the
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> > On Sun, Apr 1, 2012 at 1:46 PM, Alan <alw8oc@...> wrote:
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>
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> > >
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> > > Hi Folks,
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> > > I'm a new owner of a used Orion II and have a question. When I adjust
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> > > adjustment or am I missing something (it wouldn't be the first time,
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> > [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

8126. Can You Soft Restart The Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-01 18:12:49 UTC
From: John_Tn
Topic: 8126 Message: 8126

Does anyone know if you can soft restart the orion without having to turn off the power? Maybe some kind of button combination?

john
KC2QMA

8127. R: [orion565] Re: Orion 565 Upgrade to v3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-01 18:13:50 UTC
From: IK4PKN
Topic: 8120 Message: 8127

Hello Onno,

I followed the instructions perfectly...

I have no other software connected...

when it freezes I can only move the main VFO and the ptt from
microphone...all the rest is freezing

bye

ik4pkn Paolo

Da: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] Per conto di
pa1ap
Inviato: domenica 1 aprile 2012 12:03
A: orion565@yahoogroups.com
Oggetto: [orion565] Re: Orion 565 Upgrade to v3

Hello Paolo,

Sorry to hear the upgrade does not work for you. To assist you we would need
some more information.

1) did you follow the upgrade procedure as provided by ten tec? In other
words, there is more needed than just start upgrade program.

2) do you have any remote control program connected to the orion? If so
which programs?

3) can you advice what you mean by freeze....are all buttons and knobs
disabled? or just the sub receiver? If you press the menu button do you
still see the sub menus? Etc... more information please.

Best regards, onno

--- In <mailto:orion565%40yahoogroups.com> orion565@yahoogroups.com,
"IK4PKN" < <mailto:ik4pkn@...> ik4pkn@...> wrote:
>
> Hello everybody, I have done the upgrade from version 2.062a v2 to v3
3,030 new release, unfortunately after a few minutes the radio freezes, only
the VFO and the ptt working ... Return to the previous version and
everything works fine.
> any suggestions?
> regards
> Paolo ik4pkn
>

[Non-text portions of this message have been removed]

8128. R: [orion565] Re: Orion 565 Upgrade to v3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-01 18:45:47 UTC
From: storygene
Topic: 8120 Message: 8128

Just a thought. Power off the Orion, then disconnect the serial cable and power up the Orion again. Cleared up or still hung?

Just trying to make sure there is not some state on the serial control lines that are hanging the Orion from working. Never heard anyone else having that issue but give it a try anyway.

Gene / K7TXO

--- In orion565@yahoogroups.com, IK4PKN <ik4pkn@...> wrote:
>
> Hello Onno,
>
>
>
> I followed the instructions perfectly...
>
> I have no other software connected...
>
> when it freezes I can only move the main VFO and the ptt from
> microphone...all the rest is freezing
>
> bye
>
> ik4pkn Paolo
>
>
>
> Da: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] Per conto di
> pa1ap
> Inviato: domenica 1 aprile 2012 12:03
> A: orion565@yahoogroups.com
> Oggetto: [orion565] Re: Orion 565 Upgrade to v3
>
>
>
>
>
>
>
> Hello Paolo,
>
> Sorry to hear the upgrade does not work for you. To assist you we would need
> some more information.
>
> 1) did you follow the upgrade procedure as provided by ten tec? In other
> words, there is more needed than just start upgrade program.

>
> 2) do you have any remote control program connected to the orion? If so
> which programs?
>
> 3) can you advice what you mean by freeze....are all buttons and knobs
> disabled? or just the sub receiver? If you press the menu button do you
> still see the sub menus? Etc... more information please.
>
> Best regards, onno
>
> --- In <mailto:orion565%40yahoogroups.com> orion565@yahoogroups.com,
> "IK4PKN" < <mailto:ik4pkn@> ik4pkn@> wrote:
> >
> > Hello everybody, I have done the upgrade from version 2.062a v2 to v3
> 3,030 new release, unfortunately after a few minutes the radio freezes, only
> the VFO and the ptt working ... Return to the previous version and
> everything works fine.
> > any suggestions?
> > regards
> > Paolo ik4pkn
> >
>
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>
> [Non-text portions of this message have been removed]
>

8129. R: [orion565] Re: Orion 565 Upgrade to v3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-01 20:18:07 UTC
From: IK4PKN
Topic: 8120 Message: 8129

Hi Gene

is a strange strange problem, seems to work only with the version of 2007
2.062a aredoubtful ... mah .. now I tried with another pc (32bit) no change

Da: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] Per conto di
storygene
Inviato: domenica 1 aprile 2012 20:46
A: orion565@yahoogroups.com
Oggetto: R: [orion565] Re: Orion 565 Upgrade to v3

Just a thought. Power off the Orion, then disconnect the serial cable and
power up the Orion again. Cleared up or still hung?

Just trying to make sure there is not some state on the serial control lines
that are hanging the Orion from working. Never heard anyone else having that
issue but give it a try anyway.

Gene / K7TXO

--- In <mailto:orion565%40yahoogroups.com> orion565@yahoogroups.com, IK4PKN
< <mailto:ik4pkn@...> ik4pkn@...> wrote:
>
> Hello Onno,
>
>
>
> I followed the instructions perfectly...
>
> I have no other software connected...
>
> when it freezes I can only move the main VFO and the ptt from
> microphone...all the rest is freezing
>
> bye
>
> ik4pkn Paolo
>
>
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> Da: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] Per
conto di
> pa1ap
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> A: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

> Oggetto: [orion565] Re: Orion 565 Upgrade to v3
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> Hello Paolo,
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> 1) did you follow the upgrade procedure as provided by ten tec? In other
> words, there is more needed than just start upgrade program.
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> 2) do you have any remote control program connected to the orion? If so
> which programs?
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> 3) can you advice what you mean by freeze....are all buttons and knobs
> disabled? or just the sub receiver? If you press the menu button do you
> still see the sub menus? Etc... more information please.
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> Best regards, onno
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> --- In < <mailto:orion565%40yahoogroups.com>
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>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

8130. R: [orion565] Re: Orion 565 Upgrade to v3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-01 20:25:53 UTC
From: IK4PKN
Topic: 8120 Message: 8130

I follow all the points, but the orion stops in step 6 showing the logo and the version of thefirmware, does not proceed to step 7

Installing the V3 Firmware:

The process to install the V3 firmware follows the same standard update process as with previous

versions. Follow the link "How to Update" as found on the Ten-Tec website at the downloads page for

the Orion(s) respectively.

The memory map for V3 firmware has changed substantially from what it was for V1 and V2 firmware.

Therefore it is highly recommended that you perform a RAM Clear and Master Reset after you have

programmed in V3 firmware into Orion(s) that were previously running V1 or V2 firmware.

The following outlines the proper procedures for RAM Clear/Master Reset:

RAM Clear.

During this process, you will see a "BATTERY FAILURE" message at the top of the radio's display.

Ignore this message.

If you leave this station while performing this operation, then it will time out and continue on. It is

recommended that you perform this procedure when you can dedicate time to follow the steps to

completion. If you do have to leave while doing this, then simply start back over at Step 1.

1. Ensure that the Orion is powered OFF

2. Press and HOLD the VFO B LCK button that is located underneath the VFOB>M button. See the

picture at the end of this document for a graphic showing the location of the VFO B LCK button.

3. Power On the Orion, continuing to hold down the VFO B LCK button.

4. When the "Master Reset Complete" Appears at the bottom of the display, release the VFO B LCK

button.

5. In a few seconds, you will be prompted with a message "RX366 Installed?"

6. Select the appropriate response.

6.1. If you have an RX366 installed, then press the AN button to answer "YES".

6.2. If you do NOT have an RX366 installed, then press the RECALL button to answer "NO".

If you selected "YES", and have an RX366 installed, you will notice that the startup screen will

state "RX366 Receiver installed" below the firmware versions.

7. Wait for the Orion to finish starting up for proper transceiver display showing 14.250 as the Main

frequency.

Once the Orion is back to normal operation mode perform the MASTER

Da: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] Per conto di storygene
Inviato: domenica 1 aprile 2012 20:46
A: orion565@yahoogroups.com
Oggetto: R: [orion565] Re: Orion 565 Upgrade to v3

Just a thought. Power off the Orion, then disconnect the serial cable and power up the Orion again. Cleared up or still hung?

Just trying to make sure there is not some state on the serial control lines that are hanging the Orion from working. Never heard anyone else having that issue but give it a try anyway.

Gene / K7TXO

--- In <mailto:orion565%40yahoogroups.com> orion565@yahoogroups.com, IK4PKN < <mailto:ik4pkn@...> ik4pkn@...> wrote:
>
> Hello Onno,
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> I followed the instructions perfectly...
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> I have no other software connected...
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> when it freezes I can only move the main VFO and the ptt from
> microphone...all the rest is freezing

>
> bye
>
> ik4pkn Paolo
>
>
>
> Da: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] Per
conto di
> pa1ap
> Inviato: domenica 1 aprile 2012 12:03
> A: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

8131. R: [orion565] Re: Orion 565 Upgrade to v3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-01 20:54:54 UTC
From: Bill
Topic: 8120 Message: 8131

I have the same problem but my was resolved when I connected the remote into the "correct" socket in the back of my rig. It's easy to make this mistake when you can't see exactly what your doing behind the rig (my excuse). When I called TenTec Support, they had not idea what was causing my problem, but I figured it out rather quickly when I began to retrace my steps.

It's writ checking....

73 de Bill - K8WAW

--- In orion565@yahoogroups.com, IK4PKN <ik4pkn@...> wrote:
>
> I follow all the points, but the orion stops in step 6 showing the logo and
> the version of thefirmware, does not proceed to step 7
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> Installing the V3 Firmware:
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> The process to install the V3 firmware follows the same standard update
> process as with previous
>
> versions. Follow the link "How to Update" as found on the Ten-Tec website at
> the downloads page for
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> the Orion(s) respectively.
>
> The memory map for V3 firmware has changed substantially from what it was
> for V1 and V2 firmware.
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> Therefore it is highly recommended that you perform a RAM Clear and Master
> Reset after you have
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> programmed in V3 firmware into Orion(s) that were previously running V1 or
> V2 firmware.
>
> The following outlines the proper procedures for RAM Clear/Master Reset:
>
> RAM Clear.
>
> During this process, you will see a "BATTERY FAILURE" message at the top of
> the radio's display.
>
> Ignore this message.

>
> If you leave this station while performing this operation, then it will time
> out and continue on. It is
>
> recommended that you perform this procedure when you can dedicate time to
> follow the steps to
>
> completion. If you do have to leave while doing this, then simply start back
> over at Step 1.
>
> 1. Ensure that the Orion is powered OFF
>
> 2. Press and HOLD the VFO B LCK button that is located underneath the VFOB>M
> button. See the
>
> picture at the end of this document for a graphic showing the location of
> the VFO B LCK button.
>
> 3. Power On the Orion, continuing to hold down the VFO B LCK button.
>
> 4. When the "Master Reset Complete" Appears at the bottom of the display,
> release the VFO B LCK
>
> button.
>
> 5. In a few seconds, you will be prompted with a message "RX366 Installed?"
>
> 6. Select the appropriate response.
>
> 6.1. If you have an RX366 installed, then press the AN button to answer
> "YES".
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> 6.2. If you do NOT have an RX366 installed, then press the RECALL button to
> answer "NO".
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> If you selected "YES", and have an RX366 installed, you will notice that the
> startup screen will
>
> state "RX366 Receiver installed" below the firmware versions.
>
> 7. Wait for the Orion to finish starting up for proper transceiver display
> showing 14.250 as the Main
>
> frequency.
>
> Once the Orion is back to normal operation mode perform the MASTER
>
> Da: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] Per conto di
> storygene
> Inviato: domenica 1 aprile 2012 20:46

> A: orion565@yahoogroups.com
> Oggetto: R: [orion565] Re: Orion 565 Upgrade to v3
>
>
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>
> Just a thought. Power off the Orion, then disconnect the serial cable and
> power up the Orion again. Cleared up or still hung?
>
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> that are hanging the Orion from working. Never heard anyone else having that
> issue but give it a try anyway.
>
> Gene / K7TXO
>
> --- In <mailto:orion565%40yahoogroups.com> orion565@yahoogroups.com, IK4PKN
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> > I followed the instructions perfectly...
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> >
> > ik4pkn Paolo
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> >
> >
> > Da: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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> > [Non-text portions of this message have been removed]
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>
> [Non-text portions of this message have been removed]
>

8132. R: [orion565] Re: Orion 565 Upgrade to v3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-01 21:01:18 UTC
From: IK4PKN
Topic: 8120 Message: 8132

What do you mean by remote?

73

Paolo

Da: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] Per conto di Bill
Inviato: domenica 1 aprile 2012 22:55
A: orion565@yahoogroups.com
Oggetto: R: [orion565] Re: Orion 565 Upgrade to v3

I have the same problem but my was resolved when I connected the remote into the "correct" socket in the back of my rig. It's easy to make this mistake when you can't see exactly what your doing behind the rig (my excuse). When I called TenTec Support, they had not idea what was causing my problem, but I figured it out rather quickly when I began to retrace my steps.

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> Installing the V3 Firmware:
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> The memory map for V3 firmware has changed substantially from what it was
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> Therefore it is highly recommended that you perform a RAM Clear and Master
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> V2 firmware.
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> The following outlines the proper procedures for RAM Clear/Master Reset:
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> RAM Clear.
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> During this process, you will see a "BATTERY FAILURE" message at the top
of
> the radio's display.
>
> Ignore this message.
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> If you leave this station while performing this operation, then it will
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> 1. Ensure that the Orion is powered OFF
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> picture at the end of this document for a graphic showing the location of
> the VFO B LCK button.
>
> 3. Power On the Orion, continuing to hold down the VFO B LCK button.
>
> 4. When the "Master Reset Complete" Appears at the bottom of the display,
> release the VFO B LCK
>
> button.
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> 5. In a few seconds, you will be prompted with a message "RX366
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> 6. Select the appropriate response.
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> 6.1. If you have an RX366 installed, then press the AN button to answer
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[Non-text portions of this message have been removed]

8133. Re: [orion565] Orion 565 Upgrade to v3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-02 01:29:16 UTC
From: William Wallace
Topic: 8120 Message: 8133

Paolo,

I mean the 302R Remote Encoder Keypad that I plug into the rear of the rig.....

73 de Bill- K8WAW

_____
On Apr 1, 2012, at 5:01 PM, IK4PKN wrote:

What do you mean by remote?

73

Paolo

Da: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] Per conto di Bill
Inviato: domenica 1 aprile 2012 22:55
A: orion565@yahoogroups.com
Oggetto: R: [orion565] Re: Orion 565 Upgrade to v3

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> the radio's display.
>
> Ignore this message.
>
> If you leave this station while performing this operation, then it will
time
> out and continue on. It is
>
> recommended that you perform this procedure when you can dedicate time to
> follow the steps to
>
> completion. If you do have to leave while doing this, then simply start
back
> over at Step 1.
>
> 1. Ensure that the Orion is powered OFF
>
> 2. Press and HOLD the VFO B LCK button that is located underneath the
VFOB>M
> button. See the
>
> picture at the end of this document for a graphic showing the location of
> the VFO B LCK button.
>
> 3. Power On the Orion, continuing to hold down the VFO B LCK button.
>
> 4. When the "Master Reset Complete" Appears at the bottom of the display,
> release the VFO B LCK
>
> button.

>
> 5. In a few seconds, you will be prompted with a message "RX366
Installed?"
>
> 6. Select the appropriate response.
>
> 6.1. If you have an RX366 installed, then press the AN button to answer
> "YES".
>
> 6.2. If you do NOT have an RX366 installed, then press the RECALL button
to
> answer "NO".
>
> If you selected "YES", and have an RX366 installed, you will notice that
the
> startup screen will
>
> state "RX366 Receiver installed" below the firmware versions.
>
> 7. Wait for the Orion to finish starting up for proper transceiver display
> showing 14.250 as the Main
>
> frequency.
>
> Once the Orion is back to normal operation mode perform the MASTER
>
> Da: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] Per
conto di
> storygene
> Inviato: domenica 1 aprile 2012 20:46
> A: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Oggetto: R: [orion565] Re: Orion 565 Upgrade to v3
>
>
>
>
>
> Just a thought. Power off the Orion, then disconnect the serial cable and
> power up the Orion again. Cleared up or still hung?
>
> Just trying to make sure there is not some state on the serial control
lines
> that are hanging the Orion from working. Never heard anyone else having
that
> issue but give it a try anyway.
>
> Gene / K7TXO
>
> --- In < <mailto:orion565%40yahoogroups.com>

mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com>
orion565@yahoogroups.com, IK4PKN
> < < <mailto:ik4pkn@> mailto:ik4pkn@> ik4pkn@> wrote:
> >
> > Hello Onno,
> >
> >
> >
> > I followed the instructions perfectly...
> >
> > I have no other software connected...
> >
> > when it freezes I can only move the main VFO and the ptt from
> > microphone...all the rest is freezing
> >
> > bye
> >
> > ik4pkn Paolo
> >
> >
> >
> > Da: <mailto:orion565%40yahoogroups.com> orion565@yahoogroups.com <
<mailto:orion565%40yahoogroups.com> mailto:orion565%40yahoogroups.com>
> [mailto: <mailto:orion565%40yahoogroups.com> orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>] Per
> conto di
> > pa1ap
> > Inviato: domenica 1 aprile 2012 12:03
> > A: <mailto:orion565%40yahoogroups.com> orion565@yahoogroups.com <
<mailto:orion565%40yahoogroups.com> mailto:orion565%40yahoogroups.com>
> > Oggetto: [orion565] Re: Orion 565 Upgrade to v3
> >
> >
> >
> >
> >
> >
> > Hello Paolo,
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> > Sorry to hear the upgrade does not work for you. To assist you we would
> need
> > some more information.
> >
> > 1) did you follow the upgrade procedure as provided by ten tec? In other
> > words, there is more needed than just start upgrade program.
> >
> > 2) do you have any remote control program connected to the orion? If so
> > which programs?
> >
> > 3) can you advice what you mean by freeze....are all buttons and knobs

> > disabled? or just the sub receiver? If you press the menu button do you
> > still see the sub menus? Etc... more information please.
> >
> > Best regards, onno
> >
> > --- In < < <mailto:orion565%40yahoogroups.com>
mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com> mailto:orion565%40yahoogroups.com> <
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> <mailto:orion565%40yahoogroups.com> orion565@yahoogroups.com,
> > "IK4PKN" < < < <mailto:ik4pkn@> mailto:ik4pkn@> <mailto:ik4pkn@>
mailto:ik4pkn@> ik4pkn@> wrote:
> > >
> > > Hello everybody, I have done the upgrade from version 2.062a v2 to v3
> > 3,030 new release, unfortunately after a few minutes the radio freezes,
> only
> > the VFO and the ptt working ... Return to the previous version and
> > everything works fine.
> > > any suggestions?
> > > regards
> > > Paolo ik4pkn
> > >
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> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

TODAY(Beta) ? Powered by Yahoo!
Did Bobby Knight doze off on the air?
The coaching great and ESPN analyst may have snoozed, but if so it's easy to understand why, a writer says.
Privacy Policy

[Non-text portions of this message have been removed]

8134. S-Meter issue - OII

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-02 16:31:09 UTC
From: w1nt
Topic: 8134 Message: 8134

Recently I have just noticed that it would appear that my S-Meter registers not much signal at all when rx'ing anything under about an S6. Signals above that seem fine as compared to the external panadapter S-meter. Basically, when the panadapter shows anything below a S6 the OII shows S0-S1 even with normal band noise yet all signals sound audibly correct relative to loudness.

I rarely pay attention to the S-Meter since RF gain is usually backed off but I am wondering if this is an issue with the firmware or if it is a hardware issue.

Has anyone else experienced this?

Thanks,

Brad

8135. Re: OII Speaker audio leak

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-02 16:32:14 UTC
From: w1nt
Topic: 7983 Message: 8135

<bump> Anyone?

--- In orion565@yahoogroups.com, "w1nt" <bradld@...> wrote:
>
> Noticed for the first time today that the internal speaker leaks a small amount of audio even with phones plugged in. Is this normal and is the only way to fix this to unplug the speaker connector under the top cover (or install a switch)?
>
> Thanks,
>
> Brad
>

8136. Re: S-Meter issue - OII

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-02 18:33:17 UTC
From: pa1ap
Topic: 8134 Message: 8136

Interesting observation and curious to other 566 responses. I cannot help since i have 565... however it would be nice if you could share the following information
1 firmware version
2 if the sub receiver s meter is more active
3 if you have rf or af agc mode selected(depends on firmware version)
4 if you have threshold or rf gain at any other value than default setting
5 if you have ability to read the s meter value through serial connection through useof a remote program such as dxlab etc... this to understand if the digital s meter value is different than what you see on the big analogue meter...

Cheers, onno

--- In orion565@yahoogroups.com, "w1nt" <bradld@...> wrote:
>
> Recently I have just noticed that it would appear that my S-Meter registers not much signal at all when rx'ing anything under about an S6. Signals above that seem fine as compared to the external panadapter S-meter. Basically, when the panadapter shows anything below a S6 the OII shows S0-S1 even with normal band noise yet all signals sound audibly correct relative to loudness.
>
> I rarely pay attention to the S-Meter since RF gain is usually backed off but I am wondering if this is an issue with the firmware or if it is a hardware issue.
>
> Has anyone else experienced this?
>
> Thanks,
>
> Brad
>

8137. Re: OII Speaker audio leak

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-02 18:36:17 UTC
From: pa1ap
Topic: 7983 Message: 8137

I can only confirm for 565 unfortunately. Different audio circuit and hence no good comparison. Is this audio leak during rx or tx or both? And what firmware is used? regards, onno

--- In orion565@yahoogroups.com, "w1nt" <bradld@...> wrote:

>

> <bump> Anyone?

>

> --- In orion565@yahoogroups.com, "w1nt" <bradld@> wrote:

> >

> > Noticed for the first time today that the internal speaker leaks a small amount of audio even with phones plugged in. Is this normal and is the only way to fix this to unplug the speaker connector under the top cover (or install a switch)?

> >

> > Thanks,

> >

> > Brad

> >

>

8138. Re: Orion 565 Upgrade to v3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-02 18:41:02 UTC
From: pa1ap
Topic: 8120 Message: 8138

Paulo what did you connect to the orion besides power? any other connection made? could you confirm which cables go into orion? as william states maybe there is a connection made into wrong port... please check and confirm which cables are used....

If nothing is connected besides power cable and antenna... i would suspect the cpu battery to be death....this will prevent the cpu from running.

--- In orion565@yahoogroups.com, William Wallace <k8waw@...> wrote:
>
> Paolo,
>
> I mean the 302R Remote Encoder Keypad that I plug into the rear of the rig.....
>
> 73 de Bill- K8WAW
> _____
> On Apr 1, 2012, at 5:01 PM, IK4PKN wrote:
>
> What do you mean by remote?
>
> 73
>
> Paolo
>
> Da: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] Per conto di
> Bill
> Inviato: domenica 1 aprile 2012 22:55
> A: orion565@yahoogroups.com
> Oggetto: R: [orion565] Re: Orion 565 Upgrade to v3
>
> I have the same problem but my was resolved when I connected the remote into
> the "correct" socket in the back of my rig. It's easy to make this mistake
> when you can't see exactly what your doing behind the rig (my excuse). When
> I called TenTec Support, they had not idea what was causing my problem, but
> I figured it out rather quickly when I began to retrace my steps.
>
> It's writ checking....
>
> 73 de Bill - K8WAW
>
> --- In <mailto:orion565%40yahoogroups.com> orion565@yahoogroups.com, IK4PKN
> < <mailto:ik4pkn@> ik4pkn@> wrote:
> >
> > I follow all the points, but the orion stops in step 6 showing the logo
> and
> > the version of thefirmware, does not proceed to step 7

> >
> >
> >
> >
> >
> > Installing the V3 Firmware:
> >
> > The process to install the V3 firmware follows the same standard update
> > process as with previous
> >
> > versions. Follow the link "How to Update" as found on the Ten-Tec website
> at
> > the downloads page for
> >
> > the Orion(s) respectively.
> >
> > The memory map for V3 firmware has changed substantially from what it was
> > for V1 and V2 firmware.
> >
> > Therefore it is highly recommended that you perform a RAM Clear and Master
> > Reset after you have
> >
> > programmed in V3 firmware into Orion(s) that were previously running V1 or
> > V2 firmware.
> >
> > The following outlines the proper procedures for RAM Clear/Master Reset:
> >
> > RAM Clear.
> >
> > During this process, you will see a "BATTERY FAILURE" message at the top
> of
> > the radio's display.
> >
> > Ignore this message.
> >
> > If you leave this station while performing this operation, then it will
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> > out and continue on. It is
> >
> > recommended that you perform this procedure when you can dedicate time to
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> > completion. If you do have to leave while doing this, then simply start
> back
> > over at Step 1.
> >
> > 1. Ensure that the Orion is powered OFF
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> > 2. Press and HOLD the VFO B LCK button that is located underneath the

> VFOB>M
> > button. See the
> >
> > picture at the end of this document for a graphic showing the location of
> > the VFO B LCK button.
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> > 3. Power On the Orion, continuing to hold down the VFO B LCK button.
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> > 4. When the "Master Reset Complete" Appears at the bottom of the display,
> > release the VFO B LCK
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> > 5. In a few seconds, you will be prompted with a message "RX366
> Installed?"
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> > 6. Select the appropriate response.
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> > 6.1. If you have an RX366 installed, then press the AN button to answer
> > "YES".
> >
> > 6.2. If you do NOT have an RX366 installed, then press the RECALL button
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> >
> > If you selected "YES", and have an RX366 installed, you will notice that
> the
> > startup screen will
> >
> > state "RX366 Receiver installed" below the firmware versions.
> >
> > 7. Wait for the Orion to finish starting up for proper transceiver display
> > showing 14.250 as the Main
> >
> > frequency.
> >
> > Once the Orion is back to normal operation mode perform the MASTER
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> > Da: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] Per
> conto di
> > storygene
> > Inviato: domenica 1 aprile 2012 20:46
> > A: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > Oggetto: R: [orion565] Re: Orion 565 Upgrade to v3
> >
> >
> >
> >

> >
> > Just a thought. Power off the Orion, then disconnect the serial cable and
> > power up the Orion again. Cleared up or still hung?
> >
> > Just trying to make sure there is not some state on the serial control
> lines
> > that are hanging the Orion from working. Never heard anyone else having
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> > issue but give it a try anyway.
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> >
> > --- In < <mailto:orion565%40yahoogroups.com>
> mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com>
> orion565@yahoogroups.com, IK4PKN
> > < < <mailto:ik4pkn@> mailto:ik4pkn@> ik4pkn@> wrote:
> > >
> > > Hello Onno,
> > >
> > >
> > >
> > > I followed the instructions perfectly...
> > >
> > > I have no other software connected...
> > >
> > > when it freezes I can only move the main VFO and the ptt from
> > > microphone...all the rest is freezing
> > >
> > > bye
> > >
> > > ik4pkn Paolo
> > >
> > >
> > >
> > > Da: <mailto:orion565%40yahoogroups.com> orion565@yahoogroups.com <
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> > [mailto: <mailto:orion565%40yahoogroups.com> orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>] Per
> > conto di
> > > pa1ap
> > > Inviato: domenica 1 aprile 2012 12:03
> > > A: <mailto:orion565%40yahoogroups.com> orion565@yahoogroups.com <
> <mailto:orion565%40yahoogroups.com> mailto:orion565%40yahoogroups.com>
> > > Oggetto: [orion565] Re: Orion 565 Upgrade to v3
> > >
> > >
> > >
> > >
> > >

> > >
> > > Hello Paolo,
> > >
> > > Sorry to hear the upgrade does not work for you. To assist you we would
> > need
> > > some more information.
> > >
> > > 1) did you follow the upgrade procedure as provided by ten tec? In other
> > > words, there is more needed than just start upgrade program.
> > >
> > > 2) do you have any remote control program connected to the orion? If so
> > > which programs?
> > >
> > > 3) can you advice what you mean by freeze....are all buttons and knobs
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> > > still see the sub menus? Etc... more information please.
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> > > Best regards, onno
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> > <mailto:orion565%40yahoogroups.com> orion565@yahoogroups.com,
> > > "IK4PKN" < < < <mailto:ik4pkn@> mailto:ik4pkn@> <mailto:ik4pkn@>
> mailto:ik4pkn@> ik4pkn@> wrote:
> > > > >
> > > > Hello everybody, I have done the upgrade from version 2.062a v2 to v3
> > > 3,030 new release, unfortunately after a few minutes the radio freezes,
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> > > the VFO and the ptt working ... Return to the previous version and
> > > everything works fine.
> > > > any suggestions?
> > > > regards
> > > > Paolo ik4pkn
> > > > >
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> > > >
> > > [Non-text portions of this message have been removed]
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> > >
> > >
> > [Non-text portions of this message have been removed]

> >
>
> [Non-text portions of this message have been removed]
>
>
>
>
> TODAY(Beta) ☐ Powered by Yahoo!
> Did Bobby Knight doze off on the air?
> The coaching great and ESPN analyst may have snoozed, but if so it's easy to understand why, a writer says.
> Privacy Policy
>
>
> [Non-text portions of this message have been removed]
>

8139. R: [orion565] Re: Orion 565 Upgrade to v3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-02 21:18:08 UTC
From: IK4PKN
Topic: 8120 Message: 8139

Hello Omno and everybody, I bought this orion 565 used.. in this radio there was a modification ... it was a cooling fan mounted directly above u100a ADSP chip (analog devices). If I keep the fan running the radio with the new firmware v3 3,030 works without interruption, but if I turn off the fan after a few minutes I have the hang of operation. probably some component will warmthem around ... but it is strange that this does not happen with the old firmware! sorry for my bad English ... what could it be?
73

Da: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] Per conto di pa1ap
Inviato: lunedì 2 aprile 2012 20:41
A: orion565@yahoogroups.com
Oggetto: [orion565] Re: Orion 565 Upgrade to v3

Paulo what did you connect to the orion besides power? any other connection made? could you confirm which cables go into orion? as william states maybe there is a connection made into wrong port... please check and confirm which cables are used....

If nothing is connected besides power cable and antenna... i would suspect the cpu battery to be death....this will prevent the cpu from running.

--- In <mailto:orion565%40yahoogroups.com> orion565@yahoogroups.com, William Wallace < <mailto:k8waw@...> k8waw@...> wrote:
>
> Paolo,
>
> I mean the 302R Remote Encoder Keypad that I plug into the rear of the rig.....
>
> 73 de Bill- K8WAW
> _____
> On Apr 1, 2012, at 5:01 PM, IK4PKN wrote:
>
> What do you mean by remote?
>
> 73
>
> Paolo
>
> Da: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] Per conto di
> Bill

> Inviato: domenica 1 aprile 2012 22:55
> A: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Oggetto: R: [orion565] Re: Orion 565 Upgrade to v3
>
> I have the same problem but my was resolved when I connected the remote
into
> the "correct" socket in the back of my rig. It's easy to make this mistake
> when you can't see exactly what your doing behind the rig (my excuse).
When
> I called TenTec Support, they had not idea what was causing my problem,
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> I figured it out rather quickly when I began to retrace my steps.
>
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> > Installing the V3 Firmware:
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> > The process to install the V3 firmware follows the same standard update
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> >
> > versions. Follow the link "How to Update" as found on the Ten-Tec
website
> at
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> > the Orion(s) respectively.
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> > The memory map for V3 firmware has changed substantially from what it
was
> > for V1 and V2 firmware.
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> > picture at the end of this document for a graphic showing the location
of
> > the VFO B LCK button.
> >
> > 3. Power On the Orion, continuing to hold down the VFO B LCK button.
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> > 4. When the "Master Reset Complete" Appears at the bottom of the
display,
> > release the VFO B LCK
> >
> > button.
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> > 5. In a few seconds, you will be prompted with a message "RX366
> Installed?"
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> > 6. Select the appropriate response.

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> > 6.1. If you have an RX366 installed, then press the AN button to answer
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> > If you selected "YES", and have an RX366 installed, you will notice that
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> >
> > 7. Wait for the Orion to finish starting up for proper transceiver
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> >
> > Once the Orion is back to normal operation mode perform the MASTER
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<mailto:orion565%40yahoogroups.com>] Per
> conto di
> > storygene
> > Inviato: domenica 1 aprile 2012 20:46
> > A: <mailto:orion565%40yahoogroups.com> orion565@yahoogroups.com <
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> >
> >
> >
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mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com> mailto:orion565%40yahoogroups.com> <
<mailto:orion565%40yahoogroups.com> mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com> orion565@yahoogroups.com, IK4PKN
> > < < < <mailto:ik4pkn@> mailto:ik4pkn@> <mailto:ik4pkn@> mailto:ik4pkn@>
ik4pkn@> wrote:
> > >
> > > Hello Onno,
> > >
> > >
> > >
> > > I followed the instructions perfectly...
> > >
> > > I have no other software connected...
> > >
> > > when it freezes I can only move the main VFO and the ptt from
> > > microphone...all the rest is freezing
> > >
> > > bye
> > >
> > > ik4pkn Paolo
> > >
> > >
> > >
> > > Da: < <mailto:orion565%40yahoogroups.com>
mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com>
orion565@yahoogroups.com <
> < <mailto:orion565%40yahoogroups.com> mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com> mailto:orion565%40yahoogroups.com>
> > [mailto: < <mailto:orion565%40yahoogroups.com>
mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com>
orion565@yahoogroups.com
> < <mailto:orion565%40yahoogroups.com> mailto:orion565%40yahoogroups.com>]
Per
> > conto di
> > > pa1ap
> > > Inviato: domenica 1 aprile 2012 12:03
> > > A: < <mailto:orion565%40yahoogroups.com>
mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com>
orion565@yahoogroups.com <
> < <mailto:orion565%40yahoogroups.com> mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com> mailto:orion565%40yahoogroups.com>
> > > Oggetto: [orion565] Re: Orion 565 Upgrade to v3
> > >
> > >
> > >
> > >
> > >

> > >
> > > Hello Paolo,
> > >
> > > Sorry to hear the upgrade does not work for you. To assist you we
would
> > need
> > > some more information.
> > >
> > > 1) did you follow the upgrade procedure as provided by ten tec? In
other
> > > words, there is more needed than just start upgrade program.
> > >
> > > 2) do you have any remote control program connected to the orion? If
so
> > > which programs?
> > >
> > > 3) can you advice what you mean by freeze....are all buttons and knobs
> > > disabled? or just the sub receiver? If you press the menu button do
you
> > > still see the sub menus? Etc... more information please.
> > >
> > > Best regards, onno
> > >
> > > --- In < < < <mailto:orion565%40yahoogroups.com>
mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com> mailto:orion565%40yahoogroups.com>
> > < <mailto:orion565%40yahoogroups.com> mailto:orion565%40yahoogroups.com>
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> > < <mailto:orion565%40yahoogroups.com> mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com> orion565@yahoogroups.com,
> > > "IK4PKN" < < < < <mailto:ik4pkn@> mailto:ik4pkn@> <mailto:ik4pkn@>
mailto:ik4pkn@> < <mailto:ik4pkn@> mailto:ik4pkn@>
> <mailto:ik4pkn@> mailto:ik4pkn@> ik4pkn@> wrote:
> > > >
> > > > Hello everybody, I have done the upgrade from version 2.062a v2 to
v3
> > > 3,030 new release, unfortunately after a few minutes the radio
freezes,
> > only
> > > the VFO and the ptt working ... Return to the previous version and
> > > everything works fine.
> > > > any suggestions?
> > > > regards
> > > > Paolo ik4pkn
> > > >
> > >
> > >

> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
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> >
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> >
> > [Non-text portions of this message have been removed]
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>
> TODAY(Beta) ☐ Powered by Yahoo!
> Did Bobby Knight doze off on the air?
> The coaching great and ESPN analyst may have snoozed, but if so it's easy
to understand why, a writer says.
> Privacy Policy
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

8140. orion 565: external ptt output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-03 20:29:26 UTC
From: pa1ap
Topic: 8140 Message: 8140

Hi,

Hope someone can advice. I want to switch an external device to ground when transmit is activated. Seems there are several outputs available for this but it is unclear to me which option will work.

The external device is used for external sdr receiver which i want to take out of the connection during transmission. The sdr has buildin rf detection but also ptt input. Latter needs connection to ground to switch the receive to transmit relais.

Advice much appreciated.

Regards, Onno

8141. Re: [orion565] orion 565: external ptt output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-03 20:41:36 UTC
From: Barry N1EU
Topic: 8140 Message: 8141

If you always use the same ANT1 or ANT2, then you can use the corresponding
AMP KEY line.

73,
Barry N1EU

On Tue, Apr 3, 2012 at 8:29 PM, pa1ap <pa1ap@...> wrote:

> **
>
>
> Hi,
>
> Hope someone can advice. I want to switch an external device to ground
> when transmit is activated. Seems there are several outputs available for
> this but it is unclear to me which option will work.
>
> The external device is used for external sdr receiver which i want to take
> out of the connection during transmission. The sdr has buildin rf detection
> but also ptt input. Latter needs connection to ground to switch the receive
> to transmit relais.
>
> Advice much appreciated.
>
> Regards, Onno
>
>
>

[Non-text portions of this message have been removed]

8142. Re: orion 565: external ptt output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-04 15:43:16 UTC
From: w1nt
Topic: 8140 Message: 8142

I use the Amp Key line to switch out all of my RX antennas on transmit and to also switch out my SDR. This is all done in parallel with no issue.

Brad

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Hi,
>
> Hope someone can advice. I want to switch an external device to ground when transmit is activated. Seems there are several outputs available for this but it is unclear to me which option will work.
>
> The external device is used for external sdr receiver which i want to take out of the connection during transmission. The sdr has buildin rf detection but also ptt input. Latter needs connection to ground to switch the receive to transmit relais.
>
> Advice much appreciated.
>
> Regards, Onno
>

8143. Re: orion 565: external ptt output

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-06 20:44:09 UTC
From: pa1ap
Topic: 8140 Message: 8143

Thanks Brad and Barry!

--- In orion565@yahoogroups.com, "w1nt" <bradld@...> wrote:
>
> I use the Amp Key line to switch out all of my RX antennas on transmit and to also switch out my SDR. This is all done in parallel with no issue.
>
> Brad
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Hi,
> >
> > Hope someone can advice. I want to switch an external device to ground when transmit is activated. Seems there are several outputs available for this but it is unclear to me which option will work.
> >
> > The external device is used for external sdr receiver which i want to take out of the connection during transmission. The sdr has buildin rf detection but also ptt input. Latter needs connection to ground to switch the receive to transmit relais.
> >
> > Advice much appreciated.
> >
> > Regards, Onno
> >
>

8144. 565 V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-07 13:41:09 UTC
From: John M
Topic: 8144 Message: 8144

I'm thinking of buying a used 565. I've seen a lot of problems with V3 firmware and not seen any upgrades for a couple of months. What's going on? Anyone want to calm my jitters :-)?

73, John N1JM

8145. Re: [orion565] 565 V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-07 13:58:06 UTC
From: James Skalski
Topic: 8144 Message: 8145

If you read the comments, I think you will find that the tech support is helpful and more responsive than most. What specific concerns do you have? Any bugs found should have been reported. Are you aware of others.

Jim n2go

From: John M <johnn1jm@...>
To: orion565@yahoogroups.com
Sent: Saturday, April 7, 2012 9:41 AM
Subject: [orion565] 565 V3

I'm thinking of buying a used 565. I've seen a lot of problems with V3 firmware and not seen any upgrades for a couple of months. What's going on? Anyone want to calm my jitters :-)?

73, John N1JM

[Non-text portions of this message have been removed]

8146. Original Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-07 14:06:16 UTC
From: amfone
Topic: 6484 Message: 8146

I have an original Orion, no changes nothing done to it purchased by me in 2003. I use a beta program to operate it. I don't use it very much but it is a great rig.

My question is should I send this back to Ten Tec for upgrade if so what benefit would I notice and any idea on cost?

[Non-text portions of this message have been removed]

8147. Re: 565 V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-07 14:22:51 UTC
From: storygene
Topic: 8144 Message: 8147

V3 is a GREAT upgrade. But the great thing about firmware upgrades for the Orion is you can always go back to the one you have or others.

The Orion hardware is complex radio, electronically. It's what we pay for. I am pretty sure that also makes it a challenge to write new firmware to fix issues and provide enhancements because some parts of the circuits interact. The great thing is after the guys sift out what issues people comment on are real and which ones are cockpit error, the revisional changes to the versions come out.

Software and firmware are never perfect for any product. TEN-TEC does an excellent job for us. I tend to wonder if ICOM gave up on providing this kind of service since two of their latest rigs, if I understand correctly (I haven't confirmed), do not allow their customers to do any firmware updates.

Regards,

Gene / K7TXO

--- In orion565@yahoogroups.com, "John M" <johnn1jm@...> wrote:
>
> I'm thinking of buying a used 565. I've seen a lot of problems with V3 firmware and not seen any upgrades for a couple of months. What's going on? Anyone want to calm my jitters :-)?
>
> 73, John N1JM
>

8148. Re: [orion565] 565 V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-07 14:25:49 UTC
From: Barry N1EU
Topic: 8144 Message: 8148

You buy, you like - a used v3 565 is the biggest bargain ever for a high performance hf xcvr

John Henry is doing a fantastic job at the helm of Orion firmware development.

Barry N1EU

On Sat, Apr 7, 2012 at 1:41 PM, John M <johnn1jm@...> wrote:

> **
>
>
> I'm thinking of buying a used 565. I've seen a lot of problems with V3
> firmware and not seen any upgrades for a couple of months. What's going on?
> Anyone want to calm my jitters :-)?
>
> 73, John N1JM
>
>
>

[Non-text portions of this message have been removed]

8149. Re: [orion565] Original Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-07 14:27:44 UTC
From: Barry N1EU
Topic: 6484 Message: 8149

A flash with v3 firmware is all it needs, assuming you don't use the sweep function.

Barry N1EU

On Sat, Apr 7, 2012 at 2:06 PM, amfone <amfone20000@yahoo.com> wrote:

> **
>
>
> I have an original Orion, no changes nothing done to it purchased by me
> in 2003. I use a beta program to operate it. I don't use it very much but
> it is a great rig.
>
> My question is should I send this back to Ten Tec for upgrade if so what
> benefit would I notice and any idea on cost?
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

8150. Re: [orion565] Original Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-07 15:05:19 UTC
From: amfone
Topic: 6484 Message: 8150

Barry thanks.

I do use the sweep from time to time. But what improvement in performance can I expect from the change?

From: Barry N1EU <barry.n1eu@...>
To: orion565@yahoogroups.com
Sent: Saturday, April 7, 2012 10:27 AM
Subject: Re: [orion565] Original Orion

A flash with v3 firmware is all it needs, assuming you don't use the sweep function.

Barry N1EU

On Sat, Apr 7, 2012 at 2:06 PM, amfone <amfone20000@...> wrote:

> **
>
>
> I have an original Orion, no changes nothing done to it purchased by me
> in 2003. I use a beta program to operate it. I don't use it very much but
> it is a great rig.
>
> My question is should I send this back to Ten Tec for upgrade if so what
> benefit would I notice and any idea on cost?
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8152. Re: [orion565] 565 V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-07 15:13:58 UTC
From: Per Bekker-Madsen
Topic: 8144 Message: 8152

You just but the 565. I have upgraded mine and it works flawlessly...

73 Per OV2V

2012/4/7 John M <johnn1jm@...>

> **
>
>
> I'm thinking of buying a used 565. I've seen a lot of problems with V3
> firmware and not seen any upgrades for a couple of months. What's going on?
> Anyone want to calm my jitters :-)?
>
> 73, John N1JM
>
>
>

[Non-text portions of this message have been removed]

8153. Re: [orion565] Original Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-07 15:21:00 UTC
From: Per Bekker-Madsen
Topic: 6484 Message: 8153

I would compare it like when you upgrade from an Icom IC-756Pro to IC-7800 (I have had those radios, so I know what I am talking about). After I have started to use PA1AP Onno?s recommandation and his small programs I have the settings now which gives me one of the greatest receivers I have ever used..
I dont know what it costs try to mail Ten-Tec and ask for a special price for you ;-)

73 Per OV2V
Proud ORION 565 owner

2012/4/7 amfone <amfone20000@...>

> **
>
>
> I have an original Orion, no changes nothing done to it purchased by me
> in 2003. I use a beta program to operate it. I don't use it very much but
> it is a great rig.
>
> My question is should I send this back to Ten Tec for upgrade if so what
> benefit would I notice and any idea on cost?
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

8154. Very interesting no ALC on my O2

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-07 17:07:01 UTC
From: George
Topic: 8154 Message: 8154

I use a solid state amp and amps of this sort love ALC control. I looked at the O2 manual and "what" no ALC? Am I missing something or did TT overlook this rather normal control line that all the other transceivers I've had and currently have provide.
What was TT thinking?
Can this be added?
Thanks.

George W2YJ

8155. Re: [orion565] Original Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-07 17:23:22 UTC
From: amfone
Topic: 6484 Message: 8155

Thank you

I did not think there would be that kind of difference.

73
Tim
WB8UHZ

From: Per Bekker-Madsen <oz1eqc@...>
To: orion565@yahoogroups.com
Sent: Saturday, April 7, 2012 11:21 AM
Subject: Re: [orion565] Original Orion

I would compare it like when you upgrade from an IcomIC-756Pro to IC-7800
(I have had those radios, so I know what I am talking about). After I have
started to use PA1AP Onno´s recommandation and his small programs I have
the settings now which gives me one of the greatest receivers I have ever
used..
I dont know what it costs try to mail Ten-Tec and ask for a special price
for you ;-)

73 Per OV2V
Proud ORION 565 owner

2012/4/7 amfone <amfone20000@...>

> **
>
>
> I have an original Orion, no changes nothing done to it purchased by me
> in 2003. I use a beta program to operate it. I don't use it very much but
> it is a great rig.
>
> My question is should I send this back to Ten Tec for upgrade if so what
> benefit would I notice and any idea on cost?
>
> [Non-text portions of this message have been removed]
>
>
>

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Yahoo! Groups Links

[Non-text portions of this message have been removed]

8158. Re: [orion565] 565 V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-07 18:27:25 UTC
From: Don Prater
Topic: 8144 Message: 8158

Hi John,
I own both a Orion and Orion II. Did the up grade on both.
No problem here. You will like the new SAF feature. It works
great. I use both the Orion and Orion II remote. Can’t tell
one from the other in remote operation. Best of luck.

Don...W4TO

From: John M
Sent: Saturday, April 07, 2012 9:41 AM
To: orion565@yahoogroups.com
Subject: [orion565] 565 V3

I'm thinking of buying a used 565. I've seen a lot of problems with V3 firmware and not seen any upgrades for a couple of months. What's going on? Anyone want to calm my jitters :-)?

73, John N1JM

[Non-text portions of this message have been removed]

8160. Re: [orion565] 565 V3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-07 21:23:26 UTC
From: Larry Menzel
Topic: 8144 Message: 8160

I have an Orion and and Orion II and both are just great with v3.
(Especially the O II with the new receiver! Ba-woweee...great!

Larry, W0PR
Northfield, MN

On Sat, Apr 7, 2012 at 8:41 AM, John M <johnn1jm@...> wrote:

> **
>
>
> I'm thinking of buying a used 565. I've seen a lot of problems with V3
> firmware and not seen any upgrades for a couple of months. What's going on?
> Anyone want to calm my jitters :-)?
>
> 73, John N1JM
>
>
>

[Non-text portions of this message have been removed]

8161. Re: [orion565] Original Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-07 21:25:50 UTC
From: Larry Menzel
Topic: 6484 Message: 8161

Do the hardware mod...it's not that difficult and the instructions and illustrations are terrific. I did it, and I'm no technician! Then flash your Orion with v3 and start enjoying!

Larry, W0PR

On Sat, Apr 7, 2012 at 9:06 AM, amfone <amfone20000@...> wrote:

> **
>
>
> I have an original Orion, no changes nothing done to it purchased by me
> in 2003. I use a beta program to operate it. I don't use it very much but
> it is a great rig.
>
> My question is should I send this back to Ten Tec for upgrade if so what
> benefit would I notice and any idea on cost?
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

8162. Re: [orion565] Original Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-07 23:47:43 UTC
From: amfone
Topic: 6484 Message: 8162

So Larry did you really find the difference to be that much? How much is the update? I noted the procedure on the web.

Tim

From: Larry Menzel <retire@...>
To: orion565@yahoogroups.com
Sent: Saturday, April 7, 2012 5:25 PM
Subject: Re: [orion565] Original Orion

Do the hardware mod...it's not that difficult and the instructions and illustrations are terrific. I did it, and I'm no technician! Then flash your Orion with v3 and start enjoying!

Larry, W0PR

On Sat, Apr 7, 2012 at 9:06 AM, amfone <amfone20000@...> wrote:

> **
>
>
> I have an original Orion, no changes nothing done to it purchased by me
> in 2003. I use a beta program to operate it. I don't use it very much but
> it is a great rig.
>
> My question is should I send this back to Ten Tec for upgrade if so what
> benefit would I notice and any idea on cost?
>
> [Non-text portions of this message have been removed]
>
>
>

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Yahoo! Groups Links

[Non-text portions of this message have been removed]

8163. Re: [orion565] Original Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 00:28:25 UTC
From: Larry Menzel
Topic: 6484 Message: 8163

Hi, Tim,

Well the difference is rather striking in v.3xxx because of the SAF PBT filtering feature as well as other enhancements. So, yes, it makes a difference. Barry sent you a link that enumerates the many changes that have been made to the firmware, so I suggest you do it.

The upgrade is free, no charge for any firmware updates from TT, and the v2 mod is useful if you use your band scope. Download the instructions for the v2 mod, I suggest printing out the pictures so you can follow along, and carefully do the mod...it's not difficult, just takes a bit of time.

Once that's done, you'll be able to enjoy all the features of the radio as well as v.3.xxx which is really good.

Good luck.

Larry, W0PR

On Sat, Apr 7, 2012 at 6:47 PM, amfone <amfone20000@...> wrote:

> **
>
>
> So Larry did you really find the difference to be that much? How much is
> the update? I noted the procedure on the web.
>
> Tim
>
> _____
> From: Larry Menzel <retire@...>
> To: orion565@yahoogroups.com
> Sent: Saturday, April 7, 2012 5:25 PM
>
> Subject: Re: [orion565] Original Orion
>
>
> Do the hardware mod...it's not that difficult and the instructions and
> illustrations are terrific. I did it, and I'm no technician! Then flash
> your Orion with v3 and start enjoying!
>
> Larry, W0PR
>
> On Sat, Apr 7, 2012 at 9:06 AM, amfone <amfone20000@...> wrote:
>
> > **
>

> >
> >
> > I have an original Orion, no changes nothing done to it purchased by me
> > in 2003. I use a beta program to operate it. I don't use it very much but
> > it is a great rig.
> >
> > My question is should I send this back to Ten Tec for upgrade if so what
> > benefit would I notice and any idea on cost?
> >
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> ------------------------------------
>
> Yahoo! Groups Links
>
>
> [Non-text portions of this message have been removed]
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>
>

[Non-text portions of this message have been removed]

8164. Re: Original Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 09:16:22 UTC
From: pa1ap
Topic: 6484 Message: 8164

Just to make sure: with orion running hold and press the menu button for about 20 seconds. This should show you a screen with firmware message and if hw mod has been done it will display this too... can you share what you found?

Depending outcome there are several steps to be done:
1- decide if you want to use the bandscope in post v1 firmware. If so, excellent documentation is available and of course you can ship unit to ten tec. If you do latter they will also upgrade to v3 if you ask them :-)

2- if you want to upgrade without the hw mod I would recommend you ensure the serial connection is working well. This has been a struggle for some people and it is better to have all confirmed prior to upgrade. There is a serial test program available which might help. Experience has shown that old serialport cards seem to cause more issues and using usb serial dongle works better for most.

3- follow the firmware upgrade procedure as included on the tt website.

Most important: firmware upgrade cannot damage your rig. Deviation from the recommended steps will just make the process take longer :-)

Best regardd, onno

--- In orion565@yahoogroups.com, amfone <amfone20000@...> wrote:
>
> I have an original Orion, no changes nothing done to it purchased by me in 2003. I use a beta program to operate it. I don't use it very much but it is a great rig.
>
>
> My question is should I send this back to Ten Tec for upgrade if so what benefit would I notice and any idea on cost?
>
>
> [Non-text portions of this message have been removed]
>

8165. Re: [orion565] Re: Original Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 13:45:19 UTC
From: amfone
Topic: 6484 Message: 8165

Onno

Thanks for the info. I am using a beta version program right now and I do not have the upgrade you note. I have been just wondering if the upgrade is really worth it. When I use the Orion, purchased new in 2003 I just run SSBmostly on 40 and 75 meters.

From: pa1ap <pa1ap@...>
To: orion565@yahoogroups.com
Sent: Sunday, April 8, 2012 5:16 AM
Subject: [orion565] Re: Original Orion

Just to make sure: with orion running hold and press the menu button for about 20 seconds. This should show you a screen with firmware message and if hw mod has been done it will display this too... can you share what you found?

Depending outcome there are several steps to be done:
1- decide if you want to use the bandscope in post v1 firmware. If so, excellent documentation is available and of course you can ship unit to ten tec. If you do latter they will also upgrade to v3 if you ask them :-)

2- if you want to upgrade without the hw mod I would recommend you ensure the serial connection is working well. This has been a struggle for some people and it is better to have all confirmed prior to upgrade. There is a serial test program available which might help. Experience has shown that old serialport cards seem to cause more issues and using usb serial dongle works better for most.

3- follow the firmware upgrade procedure as included on the tt website.

Most important: firmware upgrade cannot damage your rig. Deviation from the recommended steps will just make the process take longer :-)

Best regardd, onno

--- In orion565@yahoogroups.com, amfone <amfone20000@...> wrote:
>
> I have an original Orion, no changes nothing done to it purchased by me in 2003. I use a beta program to operate it. I don't use it very much but it is a great rig.
>
>
> My question is should I send this back to Ten Tec for upgrade if so what benefit would I notice and any idea on cost?
>
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

8166. Re: [orion565] Original Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 13:47:27 UTC
From: amfone
Topic: 6484 Message: 8166

Larry

Thank you. What version of software are you using?

From: Larry Menzel <retire@...>
To: orion565@yahoogroups.com
Sent: Saturday, April 7, 2012 8:28 PM
Subject: Re: [orion565] Original Orion

Hi, Tim,

Well the difference is rather striking in v.3xxx because of the SAF PBT filtering feature as well as other enhancements. So, yes, it makes a difference. Barry sent you a link that enumerates the many changes that have been made to the firmware, so I suggest you do it.

The upgrade is free, no charge for any firmware updates from TT, and the v2 mod is useful if you use your band scope. Download the instructions for the v2 mod, I suggest printing out the pictures so you can follow along, and carefully do the mod...it's not difficult, just takes a bit of time.

Once that's done, you'll be able to enjoy all the features of the radio as well as v.3.xxx which is really good.

Good luck.

Larry, W0PR

On Sat, Apr 7, 2012 at 6:47 PM, amfone <amfone20000@...> wrote:

> **
>
>
> So Larry did you really find the difference to be that much? How much is
> the update? I noted the procedure on the web.
>
> Tim
>
> ---
> From: Larry Menzel <retire@...>
> To: orion565@yahoogroups.com
> Sent: Saturday, April 7, 2012 5:25 PM
>
> Subject: Re: [orion565] Original Orion
>
>

> Do the hardware mod...it's not that difficult and the instructions and
> illustrations are terrific. I did it, and I'm no technician! Then flash
> your Orion with v3 and start enjoying!
>
> Larry, W0PR
>
> On Sat, Apr 7, 2012 at 9:06 AM, amfone <amfone20000@...> wrote:
>
> > **
>
> >
> >
> > I have an original Orion, no changes nothing done to it purchased by me
> > in 2003. I use a beta program to operate it. I don't use it very much but
> > it is a great rig.
> >
> > My question is should I send this back to Ten Tec for upgrade if so what
> > benefit would I notice and any idea on cost?
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Yahoo! Groups Links

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8167. Re: [orion565] Re: Original Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 13:55:17 UTC
From: Barry N1EU
Topic: 6484 Message: 8167

On Sun, Apr 8, 2012 at 1:45 PM, amfone <amfone20000@...> wrote:

>
> Thanks for the info. I am using a beta version program right now and I do
> not have the upgrade you note. I have been just wondering if the upgrade is
> really worth it.
>

As explained previously, the upgrade allows you to run the band scope
(sweep). Only you can judge whether it is really worth it, i.e., if you
want to run the band scope or if you don't want to run the band scope.

Go ahead and install the v3 firmware and use the radio. If you miss the
ability to run the band scope, then install the upgrade.

Barry N1EU

[Non-text portions of this message have been removed]

8168. V3 update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 13:57:23 UTC
From: amfone
Topic: 6484 Message: 8168

Thanks Berry

Good Idea if I see a big difference I can make the other change or just put the old beta program back in the Orion.

73 tim
wb8uhz

From: Barry N1EU <barry.n1eu@...>
To: orion565@yahoogroups.com
Sent: Sunday, April 8, 2012 9:55 AM
Subject: Re: [orion565] Re: Original Orion

On Sun, Apr 8, 2012 at 1:45 PM, amfone <amfone20000@...> wrote:

>
> Thanks for the info. I am using a beta version program right now and I do
> not have the upgrade you note. I have been just wondering if the upgrade is
> really worth it.
>

As explained previously, the upgrade allows you to run the band scope (sweep). Only you can judge whether it is really worth it, i.e., if you want to run the band scope or if you don't want to run the band scope.

Go ahead and install the v3 firmware and use the radio. If you miss the ability to run the band scope, then install the upgrade.

Barry N1EU

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8169. Headphones and Binrx question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 14:33:26 UTC
From: Jay Schwisow
Topic: 8169 Message: 8169

All,

When I set the binaural receive to main with headphones on I lose this setting anytime I unplug the headphones. Plugging the headphones back in puts main receive to the left side. Does anyone know of a setting that will keep this from happening ?

I am trying to set left to both and right to both but this setting is dropped (reverting to left and right respectively) once I engage binaural to main.

I also noticed the side tone is more pure with binaural on instead of off - in my opinion. Why is this?

Jay Schwisow
KT5E

8170. AGC activation point visualized

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 15:29:23 UTC
From: pa1ap
Topic: 8170 Message: 8170

Greetings,

I have tried to visualize the AGC activation point through three slides. The slides can be found through the link below.

General reference:

Audio presence reflects how loud the audio will come through your speakers / headset.

AGC activation point reflects at which signal level AGC will activate and normalize the audio.

Normalized audio presents a constant audio level through the speaker / headset.

Desired signal is what you want to hear and undesired... well I guess thats obvious :-)

Slide 1;

The graph visualizes signal strength (s meter value S0 ... S9+60dB) against audio presence (0% to 100%). The association is the red line.

AGC activation level (grey) is below desired (green) and hence desired signal will be normalized to 100% audio presence. Undesired (pink) is below AGC activation level (grey) and as such will have less audio presence. I cannot determine how much less audio presence but for sure it is less than 100%.

The blue table on the right provides the association between S meter indication and threshold or RF gain value.

One could say that this would be an ideal adjustment.

Slide 2;

AGC activation level (grey) is below desired (green) as well below undesired (pink) and hence both signals will be normalized to 100% audio presence.

Not a good adjustment unless you really want to hear undesired as loud as desired.

Slide 3;

AGC activation level (grey) is above desired (green) as well above undesired (pink) and hence both signals will have less audio presence. The ratio is unknown to me and as discussed before you will need to increase AF volume to copy desired signal.

One could say that this would be an ideal adjustment.

http://www.box.com/s/4ed78bbd122bf511c9e9

Hope this helps, Best regards, Onno pa1ap

8171. Re: [orion565] Headphones and Binrx question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 16:28:16 UTC
From: Jay Schwisow
Topic: 8169 Message: 8171

More on this
Rig is an O2 with the latest v2 release

Jay Schwisow

On Apr 8, 2012, at 8:33 AM, Jay Schwisow <jayschwisow@...> wrote:

> All,
>
> When I set the binaural receive to main with headphones on I lose this setting anytime I unplug the headphones. Plugging the headphones back in puts main receive to the left side. Does anyone know of a setting that will keep this from happening ?
>
> I am trying to set left to both and right to both but this setting is dropped (reverting to left and right respectively) once I engage binaural to main.
>
> I also noticed the side tone is more pure with binaural on instead of off - in my opinion. Why is this?
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> Jay Schwisow
> KT5E
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8172. Re: [orion565] Headphones and Binrx question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 16:35:38 UTC
From: Barry N1EU
Topic: 8169 Message: 8172

Jay, my 565 sidetone sounds identical whether BinRX is engaged or off.

As far as the rest, I don't have a clue what you're trying to do with
mixing the subreceiver audio into both L/R and engaging binaural at the
same time.

Barry N1EU

On Sun, Apr 8, 2012 at 4:28 PM, Jay Schwisow <jayschwisow@yahoo.com> wrote:

> **
>
>
> More on this
> Rig is an O2 with the latest v2 release
>
> Jay Schwisow
>
>
> On Apr 8, 2012, at 8:33 AM, Jay Schwisow <jayschwisow@...> wrote:
>
> > All,
> >
> > When I set the binaural receive to main with headphones on I lose this
> > setting anytime I unplug the headphones. Plugging the headphones back in
> > puts main receive to the left side. Does anyone know of a setting that will
> > keep this from happening ?
> >
> > I am trying to set left to both and right to both but this setting is
> > dropped (reverting to left and right respectively) once I engage binaural
> > to main.
> >
> > I also noticed the side tone is more pure with binaural on instead of
> > off - in my opinion. Why is this?
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> > Jay Schwisow
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8173. Re: Headphones and Binrx question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 16:59:04 UTC
From: pa1ap
Topic: 8169 Message: 8173

Bineural receive requires a stereo headset and if you disconnect the headset the set will turn back to mono again. This is normal behavior I believe.

Next, through the audio menu you can select which audio is mixed to the speaker. This can be sub or main or both. When connecting stereo headset without binearal you can choose which audio is offered to left and right.

Like Barry mentioned, I am not sure whats missing or what you are looking for.

On the sidetone ; are you refering to the transmit sidetone or on the cw signal as received through the bineural audio mix? in the latter case keep in mind that sub and main rx could be more or less aligned. Depending on the delta the received tone might sound a bit different.

Regards onno

orion565@yahoogroups.com, Jay Schwisow <jayschwisow@...> wrote:
>
> All,
>
> When I set the binaural receive to main with headphones on I lose this setting anytime I unplug the headphones. Plugging the headphones back in puts main receive to the left side. Does anyone know of a setting that will keep this from happening ?
>
> I am trying to set left to both and right to both but this setting is dropped (reverting to left and right respectively) once I engage binaural to main.
>
> I also noticed the side tone is more pure with binaural on instead of off - in my opinion. Why is this?
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>
> Jay Schwisow
> KT5E
>

8174. Re: OII Speaker audio leak

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 17:08:17 UTC
From: w1nt
Topic: 7983 Message: 8174

Onno,

Latest V3 firmware and the audio leak only occurs in RX. In TX I hear no sidetone coming through.

Regards,

Brad

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> I can only confirm for 565 unfortunately. Different audio circuit and hence no good comparison. Is this audio leak during rx or tx or both? And what firmware is used? regards, onno
> --- In orion565@yahoogroups.com, "w1nt" <bradld@> wrote:
> >
> > <bump> Anyone?
> >
> > --- In orion565@yahoogroups.com, "w1nt" <bradld@> wrote:
> > >
> > > Noticed for the first time today that the internal speaker leaks a small amount of audio even with phones plugged in. Is this normal and is the only way to fix this to unplug the speaker connector under the top cover (or install a switch)?
> > >
> > > Thanks,
> > >
> > > Brad
> > >
> >
>

8175. Re: [orion565] Headphones and Binrx question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 17:19:35 UTC
From: Jay Schwisow
Topic: 8169 Message: 8175

Barry

Basically, if I have the headphones plugged in and set the audio to binrx unplug the headphones then plug them back in the binrx is dropped.

Jay Schwisow

On Apr 8, 2012, at 10:35 AM, Barry N1EU <barry.n1eu@...m> wrote:

> Jay, my 565 sidetone sounds identical whether BinRX is engaged or off.
>
> As far as the rest, I don't have a clue what you're trying to do with
> mixing the subreceiver audio into both L/R and engaging binaural at the
> same time.
>
> Barry N1EU
>
> On Sun, Apr 8, 2012 at 4:28 PM, Jay Schwisow <jayschwisow@...> wrote:
>
>> **
>>
>>
>> More on this
>> Rig is an O2 with the latest v2 release
>>
>> Jay Schwisow
>>
>>
>> On Apr 8, 2012, at 8:33 AM, Jay Schwisow <jayschwisow@...> wrote:
>>
>>> All,
>>>
>>> When I set the binaural receive to main with headphones on I lose this
>> setting anytime I unplug the headphones. Plugging the headphones back in
>> puts main receive to the left side. Does anyone know of a setting that will
>> keep this from happening ?
>>>
>>> I am trying to set left to both and right to both but this setting is
>> dropped (reverting to left and right respectively) once I engage binaural
>> to main.
>>>
>>> I also noticed the side tone is more pure with binaural on instead of
>> off - in my opinion. Why is this?
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>>> Jay Schwisow
>>> KT5E
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8176. Re: [orion565] Re: Headphones and Binrx question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 17:25:12 UTC
From: Jay Schwisow
Topic: 8169 Message: 8176

Onno

Ok I figured this may be normal behavior. It is kind of a pain to always reengage the binrx for headphone use.

On the sidetone I am referring to the transmit sidetone. On my rig it is different with binrx on vs off.

I appreciate your input

Jay Schwisow
KT5E

On Apr 8, 2012, at 10:59 AM, "pa1ap" <pa1ap@...> wrote:

> Bineural receive requires a stereo headset and if you disconnect the headset the set will turn back to mono again. This is normal behavior I believe.
>
> Next, through the audio menu you can select which audio is mixed to the speaker. This can be sub or main or both. When connecting stereo headset without binearal you can choose which audio is offered to left and right.
>
> Like Barry mentioned, I am not sure whats missing or what you are looking for.
>
> On the sidetone ; are you refering to the transmit sidetone or on the cw signal as received through the bineural audio mix? in the latter case keep in mind that sub and main rx could be more or less aligned. Depending on the delta the received tone might sound a bit different.
>
> Regards onno
>
> orion565@yahoogroups.com, Jay Schwisow <jayschwisow@...> wrote:
>>
>> All,
>>
>> When I set the binaural receive to main with headphones on I lose this setting anytime I unplug the headphones. Plugging the headphones back in puts main receive to the left side. Does anyone know of a setting that will keep this from happening ?
>>
>> I am trying to set left to both and right to both but this setting is dropped (reverting to left and right respectively) once I engage binaural to main.
>>
>> I also noticed the side tone is more pure with binaural on instead of off - in my opinion. Why is this?
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>> Jay Schwisow
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8177. Re: Headphones and Binrx question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 17:59:29 UTC
From: pa1ap
Topic: 8169 Message: 8177

I will walk up to radio room and check. I havent noticed yet but also not used bineural often. Will come back soon. Best regards, onno
--- In orion565@yahoogroups.com, Jay Schwisow <jayschwisow@...> wrote:
>
> Onno
>
> Ok I figured this may be normal behavior. It is kind of a pain to always reengage the binrx for headphone use.
>
> On the sidetone I am referring to the transmit sidetone. On my rig it is different with binrx on vs off.
>
> I appreciate your input
>
> Jay Schwisow
> KT5E
>
> On Apr 8, 2012, at 10:59 AM, "pa1ap" <pa1ap@...> wrote:
>
> > Bineural receive requires a stereo headset and if you disconnect the headset the set will turn back to mono again. This is normal behavior I believe.
> >
> > Next, through the audio menu you can select which audio is mixed to the speaker. This can be sub or main or both. When connecting stereo headset without binearal you can choose which audio is offered to left and right.
> >
> > Like Barry mentioned, I am not sure whats missing or what you are looking for.
> >
> > On the sidetone ; are you refering to the transmit sidetone or on the cw signal as received through the bineural audio mix? in the latter case keep in mind that sub and main rx could be more or less aligned. Depending on the delta the received tone might sound a bit different.
> >
> > Regards onno
> >
> > orion565@yahoogroups.com, Jay Schwisow <jayschwisow@> wrote:
> >>
> >> All,
> >>
> >> When I set the binaural receive to main with headphones on I lose this setting anytime I unplug the headphones. Plugging the headphones back in puts main receive to the left side. Does anyone know of a setting that will keep this from happening ?
> >>
> >> I am trying to set left to both and right to both but this setting is dropped (reverting to left and right respectively) once I engage binaural to main.

> >>
> >> I also noticed the side tone is more pure with binaural on instead of off - in my opinion. Why is this?
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> >> Jay Schwisow
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8178. Re: OII Speaker audio leak

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 18:03:04 UTC
From: pa1ap
Topic: 7983 Message: 8178

Will include it in my trip upstairs :-) more to follow soon. Regards, onno
--- In orion565@yahoogroups.com, "w1nt" <bradld@...> wrote:
>
> Onno,
>
> Latest V3 firmware and the audio leak only occurs in RX. In TX I hear no sidetone coming through.
>
> Regards,
>
> Brad
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > I can only confirm for 565 unfortunately. Different audio circuit and hence no good comparison. Is this audio leak during rx or tx or both? And what firmware is used? regards, onno
> > --- In orion565@yahoogroups.com, "w1nt" <bradld@> wrote:
> > >
> > > <bump> Anyone?
> > >
> > > --- In orion565@yahoogroups.com, "w1nt" <bradld@> wrote:
> > > >
> > > > Noticed for the first time today that the internal speaker leaks a small amount of audio even with phones plugged in. Is this normal and is the only way to fix this to unplug the speaker connector under the top cover (or install a switch)?
> > > >
> > > > Thanks,
> > > >
> > > > Brad
> > > >
> > >
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>

8179. Re: [orion565] Headphones and Binrx question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 18:55:51 UTC
From: Barry N1EU
Topic: 8169 Message: 8179

Jay, binrx persists through headphone unplug/replug on my 565. I'm not seeing your problem here.

Barry N1EU

On Sun, Apr 8, 2012 at 5:19 PM, Jay Schwisow <jayschwisow@...> wrote:

> **
>
>
> Barry
>
> Basically, if I have the headphones plugged in and set the audio to binrx
> unplug the headphones then plug them back in the binrx is dropped.
>
> Jay Schwisow
>
>
> On Apr 8, 2012, at 10:35 AM, Barry N1EU <barry.n1eu@...> wrote:
>
> > Jay, my 565 sidetone sounds identical whether BinRX is engaged or off.
> >
> > As far as the rest, I don't have a clue what you're trying to do with
> > mixing the subreceiver audio into both L/R and engaging binaural at the
> > same time.
> >
> > Barry N1EU
> >
> > On Sun, Apr 8, 2012 at 4:28 PM, Jay Schwisow <jayschwisow@...>
> wrote:
> >
> >> **
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> >>
> >> More on this
> >> Rig is an O2 with the latest v2 release
> >>
> >> Jay Schwisow
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> >>
> >> On Apr 8, 2012, at 8:33 AM, Jay Schwisow <jayschwisow@yahoo.com> wrote:
> >>
> >>> All,
> >>>
> >>> When I set the binaural receive to main with headphones on I lose this

> >> setting anytime I unplug the headphones. Plugging the headphones back in
> >> puts main receive to the left side. Does anyone know of a setting that
> will
> >> keep this from happening ?
> >>>
> >>> I am trying to set left to both and right to both but this setting is
> >> dropped (reverting to left and right respectively) once I engage
> binaural
> >> to main.
> >>>
> >>> I also noticed the side tone is more pure with binaural on instead of
> >> off - in my opinion. Why is this?
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> >>> Jay Schwisow
> >>> KT5E
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8180. Re: Headphones and Binrx question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 19:26:48 UTC
From: pa1ap
Topic: 8169 Message: 8180

Same overhere. Using 3030 with 565 stock rx. Set bineural to main, plug in headset, unplug headset and plug it in again. Bineural is not lost.

Also checked on the sidetone but cannot detect a difference in tone quality. It sounds the same to me.

I can only guess it is related to the V2 firmware. Perhaps an upgrade can confirm this Jay?

Best regards, Onno

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Jay, binrx persists through headphone unplug/replug on my 565. I'm not
> seeing your problem here.
>
> Barry N1EU
>
> On Sun, Apr 8, 2012 at 5:19 PM, Jay Schwisow <jayschwisow@...> wrote:
>
> > **
> > >
> > >
> > > Barry
> > >
> > > Basically, if I have the headphones plugged in and set the audio to binrx
> > > unplug the headphones then plug them back in the binrx is dropped.
> > >
> > > Jay Schwisow
> > >
> > >
> > > On Apr 8, 2012, at 10:35 AM, Barry N1EU <barry.n1eu@...> wrote:
> > >
> > > > Jay, my 565 sidetone sounds identical whether BinRX is engaged or off.
> > > >
> > > > As far as the rest, I don't have a clue what you're trying to do with
> > > > mixing the subreceiver audio into both L/R and engaging binaural at the
> > > > same time.
> > > >
> > > > Barry N1EU
> > > >
> > > > On Sun, Apr 8, 2012 at 4:28 PM, Jay Schwisow <jayschwisow@...>
> > > wrote:
> > > >
> > > >> **
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> > >>
> > >> More on this
> > >> Rig is an O2 with the latest v2 release
> > >>
> > >> Jay Schwisow
> > >>
> > >>
> > >> On Apr 8, 2012, at 8:33 AM, Jay Schwisow <jayschwisow@...> wrote:
> > >>
> > >>> All,
> > >>>
> > >>> When I set the binaural receive to main with headphones on I lose this
> > >> setting anytime I unplug the headphones. Plugging the headphones back in
> > >> puts main receive to the left side. Does anyone know of a setting that
> > will
> > >> keep this from happening ?
> > >>>
> > >>> I am trying to set left to both and right to both but this setting is
> > >> dropped (reverting to left and right respectively) once I engage
> > binaural
> > >> to main.
> > >>>
> > >>> I also noticed the side tone is more pure with binaural on instead of
> > >> off - in my opinion. Why is this?
> > >>>
> > >>>
> > >>>
> > >>> Jay Schwisow
> > >>> KT5E
> > >>>
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> > >>> ------------------------------------
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> > > [Non-text portions of this message have been removed]
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> > > Yahoo! Groups Links
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>
> [Non-text portions of this message have been removed]
>

8181. Re: OII Speaker audio leak

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 19:29:04 UTC
From: pa1ap
Topic: 7983 Message: 8181

I am unable to reproduce the audio leakage on my 565, stock rx and 3030 firmware. We will need someone with 566 to check for you I am afraid... Best regards, Onno

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Will include it in my trip upstairs :-) more to follow soon. Regards, onno
> --- In orion565@yahoogroups.com, "w1nt" <bradld@> wrote:
> >
> > Onno,
> >
> > Latest V3 firmware and the audio leak only occurs in RX. In TX I hear no sidetone coming through.
> >
> > Regards,
> >
> > Brad
> >
> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > >
> > > I can only confirm for 565 unfortunately. Different audio circuit and hence no good comparison. Is this audio leak during rx or tx or both? And what firmware is used? regards, onno
> > > --- In orion565@yahoogroups.com, "w1nt" <bradld@> wrote:
> > > >
> > > > <bump> Anyone?
> > > >
> > > > --- In orion565@yahoogroups.com, "w1nt" <bradld@> wrote:
> > > > >
> > > > > Noticed for the first time today that the internal speaker leaks a small amount of audio even with phones plugged in. Is this normal and is the only way to fix this to unplug the speaker connector under the top cover (or install a switch)?
> > > > >
> > > > > Thanks,
> > > > >
> > > > > Brad
> > > > >
> > > >
> > >
> >
>

8182. Re: [orion565] Re: OII Speaker audio leak

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 19:37:26 UTC
From: Peter Frenning [OZ1PIF]
Topic: 7983 Message: 8182

Den 08-04-2012 21:29, pa1ap skrev:
> I am unable to reproduce the audio leakage on my 565, stock rx and 3030 firmware. We will need someone with 566 to check for you I am afraid... Best regards, Onno
Haven't been following this thread closely, but, for what it's worth: On my O2 (566; FW: 3.028) there's a faint bleed through of Rx audio to the speaker (external), when volume is turned all the way down or when it's muted.

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Genius is one per cent inspiration, **
** and ninety-nine per cent **
** perspiration. **
** -- Thomas A. Edison **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

8183. Fwd: Re: [orion565] Re: OII Speaker audio leak

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 20:50:14 UTC
From: Peter Frenning [OZ1PIF]
Topic: 8183 Message: 8183

Den 08-04-2012 21:37, Peter Frenning [OZ1PIF] skrev:
> Den 08-04-2012 21:29, pa1ap skrev:
>> I am unable to reproduce the audio leakage on my 565, stock rx and
>> 3030 firmware. We will need someone with 566 to check for you I am
>> afraid... Best regards, Onno
> Haven't been following this thread closely, but, for what it's worth:
> On my O2 (566; FW: 3.028) there's a faint bleed through of Rx audio to
> the speaker (external), when volume is turned all the way down or when
> it's muted.
>
>
>
Oooops, meant to say FW 3.026 (feb. 1st 2012) of cause - Sorry for mistake!

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Genius is one per cent inspiration, **
** and ninety-nine per cent **
** perspiration. **
** -- Thomas A. Edison **
****
email: peter(no-spamfiller)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

8184. Re: [orion565] Re: Headphones and Binrx question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-08 21:38:28 UTC
From: Jay Schwisow
Topic: 8169 Message: 8184

Thanks guys.

I am going to upgrade to v3. I will let you know if anything changes.

Jay Schwisow
KT5E

On Apr 8, 2012, at 1:26 PM, "pa1ap" <pa1ap@nextchallenge.net> wrote:

> Same overhere. Using 3030 with 565 stock rx. Set bineural to main, plug in headset, unplug headset and plug it in again. Bineural is not lost.
>
> Also checked on the sidetone but cannot detect a difference in tone quality. It sounds the same to me.
>
> I can only guess it is related to the V2 firmware. Perhaps an upgrade can confirm this Jay?
>
> Best regards, Onno
>
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>>
>> Jay, binrx persists through headphone unplug/replug on my 565. I'm not
>> seeing your problem here.
>>
>> Barry N1EU
>>
>> On Sun, Apr 8, 2012 at 5:19 PM, Jay Schwisow <jayschwisow@...> wrote:
>>
>>> **
>>>
>>>
>>> Barry
>>>
>>> Basically, if I have the headphones plugged in and set the audio to binrx
>>> unplug the headphones then plug them back in the binrx is dropped.
>>>
>>> Jay Schwisow
>>>
>>>
>>> On Apr 8, 2012, at 10:35 AM, Barry N1EU <barry.n1eu@...> wrote:
>>>
>>>> Jay, my 565 sidetone sounds identical whether BinRX is engaged or off.
>>>>
>>>> As far as the rest, I don't have a clue what you're trying to do with

>>>> mixing the subreceiver audio into both L/R and engaging binaural at the
>>>> same time.
>>>>
>>>> Barry N1EU
>>>>
>>>> On Sun, Apr 8, 2012 at 4:28 PM, Jay Schwisow <jayschwisow@...>
>>> wrote:
>>>>
>>>>> **
>>>
>>>>>
>>>>>
>>>>> More on this
>>>>> Rig is an O2 with the latest v2 release
>>>>>
>>>>> Jay Schwisow
>>>>>
>>>>>
>>>>> On Apr 8, 2012, at 8:33 AM, Jay Schwisow <jayschwisow@...> wrote:
>>>>>
>>>>>> All,
>>>>>>
>>>>>> When I set the binaural receive to main with headphones on I lose this
>>>>> setting anytime I unplug the headphones. Plugging the headphones back in
>>>>> puts main receive to the left side. Does anyone know of a setting that
>>> will
>>>>> keep this from happening ?
>>>>>>
>>>>>> I am trying to set left to both and right to both but this setting is
>>>>> dropped (reverting to left and right respectively) once I engage
>>> binaural
>>>>> to main.
>>>>>>
>>>>>> I also noticed the side tone is more pure with binaural on instead of
>>>>> off - in my opinion. Why is this?
>>>>>>
>>>>>>
>>>>>>
>>>>>> Jay Schwisow
>>>>>> KT5E
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>>>> [Non-text portions of this message have been removed]
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>> [Non-text portions of this message have been removed]
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8185. Re: [orion565] Re: OII Speaker audio leak

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-10 10:23:09 UTC
From: Peter Frenning [OZ1PIF]
Topic: 7983 Message: 8185

Den 08-04-2012 21:44, Peter Frenning [OZ1PIF] skrev:
> Den 08-04-2012 21:37, Peter Frenning [OZ1PIF] skrev:
>> Den 08-04-2012 21:29, pa1ap skrev:
>>> I am unable to reproduce the audio leakage on my 565, stock rx and
>>> 3030 firmware. We will need someone with 566 to check for you I am
>>> afraid... Best regards, Onno
>> Haven't been following this thread closely, but, for what it's worth:
>> On my O2 (566; FW: 3.028) there's a faint bleed through of Rx audio
>> to the speaker (external), when volume is turned all the way down or
>> when it's muted.
>>
>>
>>
> Oooops, meant to say FW 3.026 (feb. 1st 2012) of cause - Sorry for
> mistake!
Well, just to make it abundantly clear, I updated to 3.028 (17 Feb.
2012) this morning, and see the same thing - faint bleed through, not
enough to be a serious problem, but an annoyance nevertheless.

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Genius is one per cent inspiration, **
** and ninety-nine per cent **
** perspiration. **
** -- Thomas A. Edison **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

8186. Re: [orion565] Re: OII Speaker audio leak

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-10 13:48:44 UTC
From: wolfmanjack@charter.net
Topic: 7983 Message: 8186

Do you have the volume turned all the way down on the sub receiver
AF...this caught me one time...

73 John K7FD

On Tue, Apr 10, 2012 at 3:23 AM, Peter Frenning [OZ1PIF] wrote:

> Den 08-04-2012 21:44, Peter Frenning [OZ1PIF] skrev:
>> Den 08-04-2012 21:37, Peter Frenning [OZ1PIF] skrev:
>>> Den 08-04-2012 21:29, pa1ap skrev:
>>>> I am unable to reproduce the audio leakage on my 565, stock rx and
>>>> 3030 firmware. We will need someone with 566 to check for you I am
>>>> afraid... Best regards, Onno
>>> Haven't been following this thread closely, but, for what it's
>>> worth: On my O2 (566; FW: 3.028) there's a faint bleed through of Rx
>>> audio to the speaker (external), when volume is turned all the way
>>> down or when it's muted.
>>>
>>>
>>>
>> Oooops, meant to say FW 3.026 (feb. 1st 2012) of cause - Sorry for
>> mistake!
> Well, just to make it abundantly clear, I updated to 3.028 (17 Feb.
> 2012) this morning, and see the same thing - faint bleed through, not
> enough to be a serious problem, but an annoyance nevertheless.
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> **
> ** Genius is one per cent inspiration, **
> ** and ninety-nine per cent **
> ** perspiration. **
> ** -- Thomas A. Edison **
> **
> email: peter(no-spam filler)@...
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **
>
>

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> Yahoo! Groups Links
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8187. Re: [orion565] Re: OII Speaker audio leak

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-10 16:45:32 UTC
From: Peter Frenning [OZ1PIF]
Topic: 7983 Message: 8187

Den 10-04-2012 15:48, wolfmanjack@... skrev:
> Do you have the volume turned all the way down on the sub receiver
> AF...this caught me one time...
>
> 73 John K7FD
Yes, and it's the Wanted signal (mostly I notice it when running JT65)
that bleed through.

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Genius is one per cent inspiration, **
** and ninety-nine per cent **
** perspiration. **
** -- Thomas A. Edison **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

8191. Re: [orion565] Re: [TenTec] Model 566 Orion II Firmware Version V3.029 posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-10 21:35:06 UTC
From: Peter Frenning [OZ1PIF]
Topic: 8189 Message: 8191

Den 10-04-2012 23:15, amfone skrev:
> Can version 3.029 be used with an original in-modified Orion?
>
No it is for the OrionII exclusively....

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Genius is one per cent inspiration, **
** and ninety-nine per cent **
** perspiration. **
** -- Thomas A. Edison **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

8193. Frustrated with failed update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 01:44:04 UTC
From: k7fd
Topic: 8193 Message: 8193

OK, I'm puzzled. Using com1 according to XP device manager. Have supplied cable from rig to pc. Followed the instructions to a T.

On the Flash Update Utility program it says:

Detected Command line switch to ignore radio responses and errors.

Then it gives the path to the *.ruf file

10640 total lines in file
Using Serial interface: Using Serial interface

Orion ROM update file

Then I get a an ERROR ENCOUNTERED message box that says
communication with the radio has failed and the radio may not
function properly. Check for proper power and interface connections. Cycle the power on the radio and retry the programming operation.

OK, I did all that. Nothing but the same error. Anyone have any ideas other than a bad serial cable?

Thanks!

73 John K7FD

8194. Re: [orion565] Re: [TenTec] Model 566 Orion II Firmware Version V3.029 posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 01:59:41 UTC
From: amfone
Topic: 8189 Message: 8194

Thanks

From: Peter Frenning [OZ1PIF] <peter@...>
To: orion565@yahoogroups.com
Cc: amfone <amfone20000@yahoo.com>
Sent: Tuesday, April 10, 2012 5:35 PM
Subject: Re: [orion565] Re: [TenTec] Model 566 Orion II Firmware Version V3.029 posted

Den 10-04-2012 23:15, amfone skrev:
> Can version 3.029 be used with an original in-modified Orion?
>
No it is for the OrionII exclusively....

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Genius is one per cent inspiration, **
** and ninety-nine per cent **
** perspiration. **
** -- Thomas A. Edison **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark

****

Yahoo! Groups Links

[Non-text portions of this message have been removed]

8196. Re: [orion565] Frustrated with failed update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 02:17:50 UTC
From: K Van Horn
Topic: 8193 Message: 8196

HI John,
Have the same problem here. The port that you can use is the one that the prolific driver is attached to, when you install the prolific driver. If it tells which com port it is using, write it down for future reference. Yu can then use that port whwn you are going through the settings part of the ten tec update program. It has worked for me twice no, so it may be able to help you as well.

73,
KIRBY, K7EC

From: k7fd
Sent: Tuesday, April 10, 2012 7:44 PM
To: orion565@yahoogroups.com
Subject: [orion565] Frustrated with failed update

OK, I'm puzzled. Using com1 according to XP device manager. Have supplied cable from rig to pc. Followed the instructions to a T.

On the Flash Update Utility program it says:

Detected Command line switch to ignore radio responses and errors.

Then it gives the path to the *.ruf file

10640 total lines in file
Using Serial interface: Using Serial interface

Orion ROM update file

Then I get a an ERROR ENCOUNTERED message box that says
communication with the radio has failed and the radio may not
function properly. Check for proper power and interface connections. Cycle the power on the radio and retry the programming operation.

OK, I did all that. Nothing but the same error. Anyone have any ideas other than a bad serial cable?

Thanks!

73 John K7FD

[Non-text portions of this message have been removed]

8197. Re: *** SOLVED *** Frustrated with failed update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 03:42:53 UTC
From: k7fd
Topic: 8193 Message: 8197

Thanks for the responses! I successfully installed the latest version...

Initially I tried a Dell Latitude D630 with built in COM port. Even though COM 1 was listed in XP device manager, I could not get the upgrade to install.

Plan B: I installed a Keyspan USB to Serial Converter on my Windows 7 workstation. It come up as COM 7 in device manager. I changed the Ten Tec software to COM 7 and away it went...no problems!

Thus, I am a happy camper! I have only had the Orion II a week...but I LOVE THIS RADIO! Immediately I can tell the latest upgrade has smoothed the received audio out...the difference is night and day!

Good job Ten Tec!

73 John K7FD

--- In orion565@yahoogroups.com, "K Van Horn" <k7ec@...> wrote:
>
> HI John,
> Have the same problem here. The port that you can use is the one that the prolific driver is attached to, when you install the prolific driver. If it tells which com port it is using, write it down for future reference. Yu can then use that port whwn you are going through the settings part of the ten tec update program. It has worked for me twice no, so it may be able to help you as well.
>
> 73,
> KIRBY, K7EC
>
> From: k7fd
> Sent: Tuesday, April 10, 2012 7:44 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Frustrated with failed update
>
>
> OK, I'm puzzled. Using com1 according to XP device manager. Have supplied cable from rig to pc. Followed the instructions to a T.
>
> On the Flash Update Utility program it says:
>
> Detected Command line switch to ignore radio responses and errors.
>
> Then it gives the path to the *.ruf file
>
> 10640 total lines in file
> Using Serial interface: Using Serial interface

>
> Orion ROM update file
>
> Then I get a an ERROR ENCOUNTERED message box that says
> communication with the radio has failed and the radio may not
> function properly. Check for proper power and interface connections. Cycle the power on the radio and retry the programming operation.
>
> OK, I did all that. Nothing but the same error. Anyone have any ideas other than a bad serial cable?
>
> Thanks!
>
> 73 John K7FD
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

8198. Re: [orion565] Frustrated with failed update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 05:21:06 UTC
From: Per Bekker-Madsen
Topic: 8193 Message: 8198

And you pushed the USER1 button and kept it pushed while you powered the radion on, so it displayed FLASH UPDATE?

73 Per OZ1EQC

2012/4/11 k7fd <wolfmanjack@...>

> **
>
>
> OK, I'm puzzled. Using com1 according to XP device manager. Have supplied
> cable from rig to pc. Followed the instructions to a T.
>
> On the Flash Update Utility program it says:
>
> Detected Command line switch to ignore radio responses and errors.
>
> Then it gives the path to the *.ruf file
>
> 10640 total lines in file
> Using Serial interface: Using Serial interface
>
> Orion ROM update file
>
> Then I get a an ERROR ENCOUNTERED message box that says
> communication with the radio has failed and the radio may not
> function properly. Check for proper power and interface connections. Cycle
> the power on the radio and retry the programming operation.
>
> OK, I did all that. Nothing but the same error. Anyone have any ideas
> other than a bad serial cable?
>
> Thanks!
>
> 73 John K7FD
>
>
>

[Non-text portions of this message have been removed]

8199. Re: *** SOLVED *** Frustrated with failed update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 05:54:30 UTC
From: pa1ap
Topic: 8193 Message: 8199

Good news indeed!

Please keep in mind that although the upgrade program allows the user to ignore error check this is not recommended. For all upgrades the error check should be enabled to ensure all and the correct code has been stored within orion memory.

When error check is disabled you can upgrade the orion and it even might work. However if there are corrupted Bytes this might result in weird behavior later on as there is no way for the orion itselve to check for currupted code. Without error check its like building a skyscraper and at floor 3 someone mounts the wrong (shorter) corner pillar.... the building wil not brake right away but sometime later it might.

best regards, onno

--- Itn orion565@yahoogroups.com, "k7fd" <wolfmanjack@...> wrote:
>
> Thanks for the responses! I successfully installed the latest version...
>
> Initially I tried a Dell Latitude D630 with built in COM port. Even though COM 1 was listed in XP device manager, I could not get the upgrade to install.
>
> Plan B: I installed a Keyspan USB to Serial Converter on my Windows 7 workstation. It come up as COM 7 in device manager. I changed the Ten Tec software to COM 7 and away it went...no problems!
>
> Thus, I am a happy camper! I have only had the Orion II a week...but I LOVE THIS RADIO! Immediately I can tell the latest upgrade has smoothed the received audio out...the difference is night and day!
>
> Good job Ten Tec!
>
> 73 John K7FD
>
> --- In orion565@yahoogroups.com, "K Van Horn" <k7ec@> wrote:
> >
> > HI John,
> > Have the same problem here. The port that you can use is the one that the prolific driver is attached to, when you install the prolific driver. If it tells which com port it is using, write it down for future reference. Yu can then use that port whwn you are going through the settings part of the ten tec update program. It has worked for me twice no, so it may be able to help you as well.
> >
> > 73,
> > KIRBY, K7EC
> >
> > From: k7fd

> > Sent: Tuesday, April 10, 2012 7:44 PM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] Frustrated with failed update
> >
> >
> > OK, I'm puzzled. Using com1 according to XP device manager. Have supplied cable from rig to pc. Followed the instructions to a T.
> >
> > On the Flash Update Utility program it says:
> >
> > Detected Command line switch to ignore radio responses and errors.
> >
> > Then it gives the path to the *.ruf file
> >
> > 10640 total lines in file
> > Using Serial interface: Using Serial interface
> >
> > Orion ROM update file
> >
> > Then I get a an ERROR ENCOUNTERED message box that says
> > communication with the radio has failed and the radio may not
> > function properly. Check for proper power and interface connections. Cycle the power on the radio and retry the programming operation.
> >
> > OK, I did all that. Nothing but the same error. Anyone have any ideas other than a bad serial cable?
> >
> > Thanks!
> >
> > 73 John K7FD
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

8200. Orion 565 and new firmware 3.030

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 06:54:43 UTC
From: IK4PKN
Topic: 8188 Message: 8200

Hi John, KI4JPL

I have a question to ask.
I bought a used orion 565, if I install the firmware 3,030, I have to cool the dsp chips, otherwise the radio freezes. If I leave the old firmware installed 2.062a, I need not cooldsp. Can be that the new firmware due to many operations causing this overheating?
regards
Paolo Castoldi ik4pkn

[Non-text portions of this message have been removed]

8201. Re: [orion565] Frustrated with failed update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 11:22:29 UTC
From: Jerry Rogers
Topic: 8193 Message: 8201

Well, I tried to update my OII and the square box shows it face giving me the communication with the radio has failed.

I know my com 4 port works with the radio because I use N4PY software with no problems. My computer has a serial card with DB9. I did this so there is on need for the USB/serial adapter. I also have a Eagle and Omni VII which I update with no problems.

NO! The N4PY software is not running. The com port is free for the Orion II. This radio is about one month, and this will be my first update for it.

Is there a bug in the program?

Jerry
ki4ps
On Apr 10, 2012, at 9:44 PM, k7fd wrote:

> OK, I'm puzzled. Using com1 according to XP device manager. Have supplied cable from rig to pc. Followed the instructions to a T.
>
> On the Flash Update Utility program it says:
>
> Detected Command line switch to ignore radio responses and errors.
>
> Then it gives the path to the *.ruf file
>
> 10640 total lines in file
> Using Serial interface: Using Serial interface
>
> Orion ROM update file
>
> Then I get a an ERROR ENCOUNTERED message box that says
> communication with the radio has failed and the radio may not
> function properly. Check for proper power and interface connections. Cycle the power on the radio and retry the programming operation.
>
> OK, I did all that. Nothing but the same error. Anyone have any ideas other than a bad serial cable?
>
> Thanks!
>
> 73 John K7FD
>

8202. RE: [orion565] Frustrated with failed update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 11:57:32 UTC
From: Robert Carroll
Topic: 8193 Message: 8202

My conclusion after years of sometimes upgrading but also watching the units that have been left brain dead (including other rigs such as the FT-2000) and which have had to be returned to the factory for revival is that upgrading firmware is not an action to be taken lightly. When the 565 came out I was quick to try every update and move around to look for the best one. But I have changed my thinking. If the firmware works well enough, I don't change it but wait till the rig goes back to the factory for another reason to update.

73

Bob W2WG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of k7fd
Sent: Tuesday, April 10, 2012 9:44 PM
To: orion565@yahoogroups.com
Subject: [orion565] Frustrated with failed update

OK, I'm puzzled. Using com1 according to XP device manager. Have supplied cable from rig to pc. Followed the instructions to a T.

On the Flash Update Utility program it says:

Detected Command line switch to ignore radio responses and errors.

Then it gives the path to the *.ruf file

10640 total lines in file
Using Serial interface: Using Serial interface

Orion ROM update file

Then I get a an ERROR ENCOUNTERED message box that says
communication with the radio has failed and the radio may not
function properly. Check for proper power and interface connections. Cycle the power on the radio and retry the programming operation.

OK, I did all that. Nothing but the same error. Anyone have any ideas other than a bad serial cable?

Thanks!

73 John K7FD

[Non-text portions of this message have been removed]

8203. Re: [orion565] Frustrated with failed update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 14:02:49 UTC
From: wolfmanjack@charter.net
Topic: 8193 Message: 8203

I also used a pc with a built in com port the first time and had no success. It doesn't seem logical, but when I used a USB to serial converter, it worked!

73 John K7FD

On Wed, Apr 11, 2012 at 4:22 AM, Jerry Rogers wrote:

Well, I tried to update my OII and the square box shows it face giving me the communication with the radio has failed.

I know my com 4 port works with the radio because I use N4PY software with no problems. My computer has a serial card with DB9. I did this so there is on need for the USB/serial adapter. I also have a Eagle and Omni VII which I update with no problems.

NO! The N4PY software is not running. The com port is free for the Orion II. This radio is about one month, and this will be my first update for it.

Is there a bug in the program?

Jerry
ki4ps
On Apr 10, 2012, at 9:44 PM, k7fd wrote:

> OK, I'm puzzled. Using com1 according to XP device manager. Have
> supplied cable from rig to pc. Followed the instructions to a T.
> On the Flash Update Utility program it says:
> Detected Command line switch to ignore radio responses and errors.
> Then it gives the path to the *.ruf file
> 10640 total lines in file Using Serial interface: Using Serial
> interface
> Orion ROM update file
> Then I get a an ERROR ENCOUNTERED message box that says communication
> with the radio has failed and the radio may not function properly.
> Check for proper power and interface connections. Cycle the power on
> the radio and retry the programming operation.
> OK, I did all that. Nothing but the same error. Anyone have any ideas
> other than a bad serial cable?
> Thanks!
> 73 John K7FD

<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

8204. RE: [orion565] Frustrated with failed update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 14:05:26 UTC
From: wolfmanjack@charter.net
Topic: 8193 Message: 8204

I tend to agree with you Bob; if it ain't broke, don't fix it. However, this V3 update has so many improvements, it's hard not to get the latest firmware...

73 John K7FD

On Wed, Apr 11, 2012 at 4:57 AM, Robert Carroll wrote:

My conclusion after years of sometimes upgrading but also watching the units
that have been left brain dead (including other rigs such as the FT-2000)
and which have had to be returned to the factory for revival is that upgrading firmware is not an action to be taken lightly. When the 565 came
out I was quick to try every update and move around to look for the best one. But I have changed my thinking. If the firmware works well enough, I
don't change it but wait till the rig goes back to the factory for another
reason to update.

73

Bob W2WG

From: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
[mailto: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
] On Behalf
Of k7fd
Sent: Tuesday, April 10, 2012 9:44 PM
To: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
Subject: [orion565] Frustrated with failed update

OK, I'm puzzled. Using com1 according to XP device manager. Have supplied
cable from rig to pc. Followed the instructions to a T.

On the Flash Update Utility program it says:

Detected Command line switch to ignore radio responses and errors.

Then it gives the path to the *.ruf file

10640 total lines in file
Using Serial interface: Using Serial interface

Orion ROM update file

Then I get a an ERROR ENCOUNTERED message box that says
communication with the radio has failed and the radio may not
function properly. Check for proper power and interface connections.
Cycle
the power on the radio and retry the programming operation.

OK, I did all that. Nothing but the same error. Anyone have any ideas
other
than a bad serial cable?

Thanks!

73 John K7FD

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

8205. Re: Frustrated with failed update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 14:43:18 UTC
From: storygene
Topic: 8193 Message: 8205

Hi Jerry -

There has been much discussion on this topic on several different brand/model radios so you are not unique. Based on what you describe, your issue is not the radio or the firmware. The issue is the computer, specifically the serial port and something called "interrupts".

Slow and occasional data flow that would be typical with a program like HRD or N4PY may work perfect on the exact same physical and "com" port your trying to use now. But firmware updates represents a fairly continuous stream of data for an extended period of time.

What throws you off the scent that it could possibly be the computer is that you may have had other radios or Router boxes or other equipment get firmware updates to them perfectly through this same computer/port/cabling. But a larger batch of data flowing continuously can be interrupted by an "IRQ" event in the computer. You just have to use a serial port/com configuration that is not going to have data flow stopped for a split moment by another event (or events!) inside the computer that you do not know is even occuring. And these events are not necessarily anything you do. Frustrating to say the least but you are going to have to either change to a COM port that is not "shared" or try another computer. Add-in serial cards are usually not a problem. It is the assignment of shared com ports to that board.

If your computer has a physical serial port on the motherboard, that is usually a better candidate for having by default, a com port assignment that is not shared. Otherwise you have to study this and select one in your Device Manager control panel. Get to that configuraton state and a proper firmware update of any conceptual size needed by any type of equipment your connected too will stream until the end of line and your update(s) without error.

This is totally out of the control of TEN-TEC, LINKSYS, ICOM, CISCO, whoever so there is no decent way to write up an article.

You can browse the Internet on the subject of IRQ's and shared interrupts if you want to dive into this.

Basically, a "clean computer is a happy computer" together with a studied selection of the best serial port. Otherwise these things can just drive you crazy.

Gene / K7TXO

--- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@...> wrote:
>
> Well, I tried to update my OII and the square box shows it face giving me the communication with the radio has failed.
>
> I know my com 4 port works with the radio because I use N4PY software with no problems. My computer has a serial card with DB9. I did this so there is on need for the USB/serial adapter. I also have a Eagle and Omni VII which I update with no problems.

>
> NO! The N4PY software is not running. The com port is free for the Orion II. This radio is about one month, and this will be my first update for it.
>
> Is there a bug in the program?
>
> Jerry
> ki4ps
> On Apr 10, 2012, at 9:44 PM, k7fd wrote:
>
> > OK, I'm puzzled. Using com1 according to XP device manager. Have supplied cable from rig to pc. Followed the instructions to a T.
> >
> > On the Flash Update Utility program it says:
> >
> > Detected Command line switch to ignore radio responses and errors.
> >
> > Then it gives the path to the *.ruf file
> >
> > 10640 total lines in file
> > Using Serial interface: Using Serial interface
> >
> > Orion ROM update file
> >
> > Then I get a an ERROR ENCOUNTERED message box that says
> > communication with the radio has failed and the radio may not
> > function properly. Check for proper power and interface connections. Cycle the power on the radio and retry the programming operation.
> >
> > OK, I did all that. Nothing but the same error. Anyone have any ideas other than a bad serial cable?
> >
> > Thanks!
> >
> > 73 John K7FD
> >
>

8206. orion 565 upgrade trouble

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 17:53:31 UTC
From: IK4PKN
Topic: 8206 Message: 8206

sorry for the trouble ... you read my posts?

****

i send this message again...

Hi John KI4JPL, and the group,

I have a question to ask.

I bought a used orion 565, if I install the firmware 3,030, I must to cool the dsp ic, otherwise the radio freezes. If I leave the old firmware installed 2.062a, I need not to cool the dsp. Can be that the new firmware due to many operations causing this overheating?

regards

Paolo Castoldi ik4pkn

[Non-text portions of this message have been removed]

8208. RX366 - It is worth the cost?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 18:45:16 UTC
From: NE7X
Topic: 8208 Message: 8208

I would like to hear comments from others, pros/cons, if the added features of the RX366 sub-receiver for the Orion-II is worth the cost.

Thanks, NE7X...

8209. Re: [orion565] RX366 - It is worth the cost?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 19:23:26 UTC
From: Barry N1EU
Topic: 8208 Message: 8209

On Wed, Apr 11, 2012 at 6:45 PM, NE7X <mayo@...> wrote:

> **
>
>
> I would like to hear comments from others, pros/cons, if the added
> features of the RX366 sub-receiver for the Orion-II is worth the cost.
>
>
Yes, it's worth the cost for me. Recommended for contesters and serious
dx'ers who make frequent use of the subreceiver - especially cw ops.

Barry N1EU

[Non-text portions of this message have been removed]

8210. Re: [orion565] Re: Frustrated with failed update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 19:27:08 UTC
From: Jerry Rogers
Topic: 8193 Message: 8210

Well all is good with the upgrade to my Orion II. I've been using my desktop with a serial card for the Omni VII, and other rigs for sometime now. The Eagle and Omni VII have never given me a problem with FW upgrades on this computer.

Well I seen where someone had to use their USB/Serial adapter to make the FW upgrade work. Since I had one, I gave it a try and it worked for me. So in the future if one computers does not work, I'll use the other for upgrades.

I must say, I have never had an issue with upgrades before. My Orion II was using the V2.044A and that was fine. I waited on the V3 until some of the bugs were corrected.

Anyway, sorry to alarm you guys, and thanks for all the info, and help.

Jerry
ki4ps

On Apr 11, 2012, at 10:43 AM, storygene wrote:

> Hi Jerry -
>
> There has been much discussion on this topic on several different brand/model radios so you are not unique. Based on what you describe, your issue is not the radio or the firmware. The issue is the computer, specifically the serial port and something called "interrupts".
>
> Slow and occasional data flow that would be typical with a program like HRD or N4PY may work perfect on the exact same physical and "com" port your trying to use now. But firmware updates represents a fairly continuous stream of data for an extended period of time.
>
> What throws you off the scent that it could possibly be the computer is that you may have had other radios or Router boxes or other equipment get firmware updates to them perfectly through this same computer/port/cabling. But a larger batch of data flowing continuously can be interrupted by an "IRQ" event in the computer. You just have to use a serial port/com configuration that is not going to have data flow stopped for a split moment by another event (or events!) inside the computer that you do not know is even occuring. And these events are not necessarily anything you do. Frustrating to say the least but you are going to have to either change to a COM port that is not "shared" or try another computer. Add-in serial cards are usually not a problem. It is the assignment of shared com ports to that board.
>
> If your computer has a physical serial port on the motherboard, that is usually a better candidate for having by default, a com port assignment that is not shared. Otherwise you have to study this and select one in your Device Manager control panel. Get to that configuraton state and a proper firmware update of any conceptual size needed by any type of equipment your connected too will stream until the end of line and your update(s) without error.

>
> This is totally out of the control of TEN-TEC, LINKSYS, ICOM, CISCO, whoever so there is no decent way to write up an article.
>
> You can browse the Internet on the subject of IRQ's and shared interrupts if you want to dive into this.
>
> Basically, a "clean computer is a happy computer" together with a studied selection of the best serial port. Otherwise these things can just drive you crazy.
>
> Gene / K7TXO
>
> --- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@...> wrote:
> >
> > Well, I tried to update my OII and the square box shows it face giving me the communication with the radio has failed.
> >
> > I know my com 4 port works with the radio because I use N4PY software with no problems. My computer has a serial card with DB9. I did this so there is on need for the USB/serial adapter. I also have a Eagle and Omni VII which I update with no problems.
> >
> > NO! The N4PY software is not running. The com port is free for the Orion II. This radio is about one month, and this will be my first update for it.
> >
> > Is there a bug in the program?
> >
> > Jerry
> > ki4ps
> > On Apr 10, 2012, at 9:44 PM, k7fd wrote:
> >
> > > OK, I'm puzzled. Using com1 according to XP device manager. Have supplied cable from rig to pc. Followed the instructions to a T.
> > >
> > > On the Flash Update Utility program it says:
> > >
> > > Detected Command line switch to ignore radio responses and errors.
> > >
> > > Then it gives the path to the *.ruf file
> > >
> > > 10640 total lines in file
> > > Using Serial interface: Using Serial interface
> > >
> > > Orion ROM update file
> > >
> > > Then I get a an ERROR ENCOUNTERED message box that says
> > > communication with the radio has failed and the radio may not
> > > function properly. Check for proper power and interface connections. Cycle the power on the radio and retry the programming operation.
> > >
> > > OK, I did all that. Nothing but the same error. Anyone have any ideas other than a

bad serial cable?
> > >
> > > Thanks!
> > >
> > > 73 John K7FD
> > >
> >
>
>
>
>
> TODAY(Beta) ? Powered by Yahoo!
> Arkansas fires football coach amid scandal
> Privacy Policy
>
>
>

[Non-text portions of this message have been removed]

8212. RE: [orion565] RX366 - It is worth the cost?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 19:38:22 UTC
From: John T. Fleming
Topic: 8208 Message: 8212

Tom,

It depends how you use your Orion. If you are a contester, you will want it. If you like to listen to foreign broadcast, etc. do not buy it. It is very ham specific and on general coverage, it is like the entire side of the barn is open. Look at the Ten-Tec info and they talk ham band specific. I talked to both John Henry and Stan at the Orlando Hamcation. For my usage which is SWL, I will have wasted my money. The original is better for that purpose.

73,

John

PS My son and wife live on 56st Street.

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of NE7X
Sent: Wednesday, April 11, 2012 2:45 PM
To: orion565@yahoogroups.com
Subject: [orion565] RX366 - It is worth the cost?

I would like to hear comments from others, pros/cons, if the added features of the RX366 sub-receiver for the Orion-II is worth the cost.

Thanks, NE7X...

[Non-text portions of this message have been removed]

8213. external ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 20:23:15 UTC
From: George
Topic: 8213 Message: 8213

Just got an answer back from TT on external ALC. They don't do external ALC!
Why do all the other manufactures include external ALC? Maybe the big three
are wrong and TT is correct in this regards.
You better not be running 100 watts from the O2 and forget to reduce it to
25 or so watts to drive the Icom PW-1 amp!
It seemed like a no brainer to me. Call me disappointed.
I wonder if anyone knows how to add external ALC to the O-2 or do I have to
just, "forget it and move on to another rig"?

George W2YJ

8214. Orion 565 Upgrade to v3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 20:28:03 UTC
From: IK4PKN
Topic: 8120 Message: 8214

sorry for the trouble ... you read my posts?
****

i send this message again...

Hi John KI4JPL, and the group,

I have a question to ask.
I bought a used orion 565, if I install the firmware 3,030, I must to cool the dsp ic, otherwise the radio freezes. If I leave the old firmware installed 2.062a, I need not to cool the dsp. Can be that the new firmware due to many operations causing this overheating?
regards
Paolo Castoldi ik4pkn

8216. Re: Orion 565 Upgrade to v3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 20:55:59 UTC
From: pa1ap
Topic: 8120 Message: 8216

I had the 565 running for days in a row performing all sorts of punishment during beta testing and never found the unit hanging. To me it seems something else might be wrong. It could be that the code claims more bytes and hence you might be running into a defective memory segment. Or the pcb might have a pcb connection broken or bad solder. Its guessing for root cause. How long does it take for the orion to freeze when cold started? Does it take seconds, minutes, hours? If hours heating could be the issue. But seconds it indicates some sort of defect causing the firmware to crash. if I have the unit running the chips get hand warm at most. Do you know which components gets overheated? Regards, onno

--- In orion565@yahoogroups.com, "IK4PKN" <ik4pkn@...> wrote:
>
> sorry for the trouble ... you read my posts?
> **********
>
> i send this message again...
>
> Hi John KI4JPL, and the group,
>
> I have a question to ask.
> I bought a used orion 565, if I install the firmware 3,030, I must to cool the dsp ic, otherwise the radio freezes. If I leave the old firmware installed 2.062a, I need not to cool the dsp. Can be that the new firmware due to many operations causing this overheating?
> regards
> Paolo Castoldi ik4pkn
>

8217. Re: [orion565] RX336 - Is it worth the cost?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 21:58:28 UTC
From: Larry Menzel
Topic: 8217 Message: 8217

Well I'm sure pleased with mine! It's great to have my OII with two terrific receivers.

As aways, your mileage may vary (YMMV) but for me, I find it a great upgrade to an already great radio.

BTW, it also works for general coverage as well, and I listen to AM broadcast on it all the time.

Larry, W0PR
Northfield, MN

On Wed, Apr 11, 2012 at 1:36 PM, NE7X <mayo@...> wrote:

> **
>
>
> I would like to hear other comments, pros and cons, about purchasing and
> installing this new sub receiver into the Orion-II.
>
> Thanks, NE7X...
>
>
>

[Non-text portions of this message have been removed]

8218. Re: Orion 565 Upgrade to v3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 21:59:37 UTC
From: IK4PKN
Topic: 8120 Message: 8218

Hi Onno,
I do not think could be a faulty memory segment, otherwise it would block
too cold. DSPchip to lock must achieve 45/55 ° C approx ...
the chip that creates problems is U100A ... without cold fan hangs with the
new firmwarein about 15-20 minutes. with the firmware 2069b no problem and
the chip U100Areaches about 38 ° C max + / -2 ° C ...
I know it's strange but true ...
regards

Paolo ik4pkn

[Non-text portions of this message have been removed]

8219. R: [orion565] Re: Orion 565 Upgrade to v3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 22:14:42 UTC
From: IK4PKN
Topic: 8120 Message: 8219

Hi Onno,
I do not think could be a faulty memory segment, otherwise it would block too cold. DSPchip to lock must achieve 45/55 ° C approx ...
the chip that creates problems is U100A ... without cold fan hangs with the new firmwarein about 15-20 minutes. with the firmware 2069b no problem and the chip U100Areaches about 38 ° C max + / -2 ° C ...
I know it's strange but true ...
regards

Paolo ik4pkn

Da: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] Per conto di pa1ap
Inviato: mercoledì 11 aprile 2012 22:56
A: orion565@yahoogroups.com
Oggetto: [orion565] Re: Orion 565 Upgrade to v3

I had the 565 running for days in a row performing all sorts of punishment during beta testing and never found the unit hanging. To me it seems something else might be wrong. It could be that the code claims more bytes and hence you might be running into a defective memory segment. Or the pcb might have a pcb connection broken or bad solder. Its guessing for root cause. How long does it take for the orion to freeze when cold started? Does it take seconds, minutes, hours? If hours heating could be the issue. But seconds it indicates some sort of defect causing the firmware to crash. if I have the unit running the chips get hand warm at most. Do you know which components gets overheated? Regards, onno

--- In <mailto:orion565%40yahoogroups.com> orion565@yahoogroups.com, "IK4PKN" < <mailto:ik4pkn@...> ik4pkn@...> wrote:
>
> sorry for the trouble ... you read my posts?
> **********
>
> i send this message again...
>
> Hi John KI4JPL, and the group,
>
> I have a question to ask.
> I bought a used orion 565, if I install the firmware 3,030, I must to cool the dsp ic, otherwise the radio freezes. If I leave the old firmware installed 2.062a, I need not to cool the dsp. Can be that the new firmware due to many operations causing this overheating?
> regards
> Paolo Castoldi ik4pkn
>

[Non-text portions of this message have been removed]

8220. Re: Orion 565 Upgrade to v3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-11 22:18:39 UTC
From: IK4PKN
Topic: 8120 Message: 8220

Hi Onno,
I do not think could be a faulty memory segment, otherwise it would block too cold. DSPchip to lock must achieve 45/55 ° C approx ...
the chip that creates problems is U100A ... without cold fan hangs with the new firmwarein about 15-20 minutes. with the firmware 2069b no problem and the chip U100Areaches about 38 ° C max + / -2 ° C ...
I know it's strange but true ...
regards

Paolo ik4pkn

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> I had the 565 running for days in a row performing all sorts of punishment during beta testing and never found the unit hanging. To me it seems something else might be wrong. It could be that the code claims more bytes and hence you might be running into a defective memory segment. Or the pcb might have a pcb connection broken or bad solder. Its guessing for root cause. How long does it take for the orion to freeze when cold started? Does it take seconds, minutes, hours? If hours heating could be the issue. But seconds it indicates some sort of defect causing the firmware to crash. if I have the unit running the chips get hand warm at most. Do you know which components gets overheated? Regards, onno
>
> --- In orion565@yahoogroups.com, "IK4PKN" <ik4pkn@> wrote:
> >
> > sorry for the trouble ... you read my posts?
> > **
> >
> > i send this message again...
> >
> > Hi John KI4JPL, and the group,
> >
> > I have a question to ask.
> > I bought a used orion 565, if I install the firmware 3,030, I must to cool the dsp ic, otherwise the radio freezes. If I leave the old firmware installed 2.062a, I need not to cool the dsp. Can be that the new firmware due to many operations causing this overheating?
> > regards
> > Paolo Castoldi ik4pkn
> >
>

8221. Re: RX366 - It is worth the cost?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-12 01:54:44 UTC
From: NE7X
Topic: 8208 Message: 8221

Has anyone connected it up with the LP-PAN?
Wonder how well it works in this configuration?
NE7X...

--- In orion565@yahoogroups.com, "NE7X" <mayo@...> wrote:
>
> I would like to hear comments from others, pros/cons, if the added features of the RX366 sub-receiver for the Orion-II is worth the cost.
>
> Thanks, NE7X...
>

8222. Re: [orion565] RX336 - Is it worth the cost?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-12 02:46:59 UTC
From: Tony Sokol
Topic: 8217 Message: 8222

Ok, Now I'm confused. Does it receive general coverage or does it not receive general coverage. I thought I read that it did. I am also wondering how it compares to the original main receiver in the Orion II. I am getting the impression that it is better.

Tony - W9JXN

On 4/11/2012 4:58 PM, Larry Menzel wrote:
> Well I'm sure pleased with mine! It's great to have my OII with two
> terrific receivers.
>
> As aways, your mileage may vary (YMMV) but for me, I find it a great
> upgrade to an already great radio.
>
> BTW, it also works for general coverage as well, and I listen to AM
> broadcast on it all the time.
>
> Larry, W0PR
> Northfield, MN
>
> On Wed, Apr 11, 2012 at 1:36 PM, NE7X<mayo@...> wrote:
>
>> **
>>
>>
>> I would like to hear other comments, pros and cons, about purchasing and
>> installing this new sub receiver into the Orion-II.
>>
>> Thanks, NE7X...
>>
>>
>>
>
> [Non-text portions of this message have been removed]
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>
> Yahoo! Groups Links
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8223. Re: [orion565] RX366 - It is worth the cost?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-12 04:07:54 UTC
From: Tony Sokol
Topic: 8208 Message: 8223

Would the installation of an AM filter close the barn door?

On 4/11/2012 2:38 PM, John T. Fleming wrote:
>
> Tom,
>
> It depends how you use your Orion. If you are a contester, you will
> want it.
> If you like to listen to foreign broadcast, etc. do not buy it. It is very
> ham specific and on general coverage, _it is like the entire side of
> the barn
> is open. _Look at the Ten-Tec info and they talk ham band specific. I
> talked
> to both John Henry and Stan at the Orlando Hamcation. For my usage
> which is
> SWL, I will have wasted my money. The original is better for that purpose.
>
> 73,
>
> John
>
> PS My son and wife live on 56st Street.
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>]
> On Behalf
> Of NE7X
> Sent: Wednesday, April 11, 2012 2:45 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] RX366 - It is worth the cost?
>
> I would like to hear comments from others, pros/cons, if the added
> features
> of the RX366 sub-receiver for the Orion-II is worth the cost.
>
> Thanks, NE7X...
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

8224. Re: Frustrated with failed update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-12 05:41:42 UTC
From: storygene
Topic: 8193 Message: 8224

Very good Jerry. By using the USB to Serial, that means a different physical port which either did not have a shared IRQ or it is shared but nothing in the share envoked an interrupt during the time of the firmware data transfer. This is more likely than anything to do with the adapter type or it's driver. In the end, the data transfer speed remains the same since the gating factor is the bits per second that the radio works with which is slower than USB is capable of providing.

In many commercial situations, I have run into many situations with the exact same results on USB to USB and USB to Serial too.

Re your serial interface card: If you want to study the original issue farther, you can look into the subject of Interrupts as related to PCI slots on the Internet. It gets a bit convoluted to keep it all straight in the mind. Sometimes the issue you had can be solved by simply moving the card to another slot. Depending on the motherboard you have, you may be able to tinker at the root of this by making changes in the BIOS window that comes up (usually flashes by quickly so you have to know how to freeze it to remain on screen) before Windows OS launches.

On the other hand; you found a solution and I can understand you probably would just like to leave this as-is. Re: If it's not broke, don't fix it and no more frustration to be sure! It is certainly more fun to just get back on the air.

Gene / K7TX

--- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@...> wrote:
>
> Well all is good with the upgrade to my Orion II. I've been using my desktop with a serial card for the Omni VII, and other rigs for sometime now. The Eagle and Omni VII have never given me a problem with FW upgrades on this computer.
>
> Well I seen where someone had to use their USB/Serial adapter to make the FW upgrade work. Since I had one, I gave it a try and it worked for me. So in the future if one computers does not work, I'll use the other for upgrades.
>
> I must say, I have never had an issue with upgrades before. My Orion II was using the V2.044A and that was fine. I waited on the V3 until some of the bugs were corrected.
>
> Anyway, sorry to alarm you guys, and thanks for all the info, and help.
>
> Jerry
> ki4ps
>
>
> On Apr 11, 2012, at 10:43 AM, storygene wrote:
>
> > Hi Jerry -
> >

> > There has been much discussion on this topic on several different brand/model radios so you are not unique. Based on what you describe, your issue is not the radio or the firmware. The issue is the computer, specifically the serial port and something called "interrupts".
> >
> > Slow and occasional data flow that would be typical with a program like HRD or N4PY may work perfect on the exact same physical and "com" port your trying to use now. But firmware updates represents a fairly continuous stream of data for an extended period of time.
> >
> > What throws you off the scent that it could possibly be the computer is that you may have had other radios or Router boxes or other equipment get firmware updates to them perfectly through this same computer/port/cabling. But a larger batch of data flowing continuously can be interrupted by an "IRQ" event in the computer. You just have to use a serial port/com configuration that is not going to have data flow stopped for a split moment by another event (or events!) inside the computer that you do not know is even occuring. And these events are not necessarily anything you do. Frustrating to say the least but you are going to have to either change to a COM port that is not "shared" or try another computer. Add-in serial cards are usually not a problem. It is the assignment of shared com ports to that board.
> >
> > If your computer has a physical serial port on the motherboard, that is usually a better candidate for having by default, a com port assignment that is not shared. Otherwise you have to study this and select one in your Device Manager control panel. Get to that configuraton state and a proper firmware update of any conceptual size needed by any type of equipment your connected too will stream until the end of line and your update(s) without error.
> >
> > This is totally out of the control of TEN-TEC, LINKSYS, ICOM, CISCO, whoever so there is no decent way to write up an article.
> >
> > You can browse the Internet on the subject of IRQ's and shared interrupts if you want to dive into this.
> >
> > Basically, a "clean computer is a happy computer" together with a studied selection of the best serial port. Otherwise these things can just drive you crazy.
> >
> > Gene / K7TXO
> >
> > --- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@> wrote:
> > >
> > > Well, I tried to update my OII and the square box shows it face giving me the communication with the radio has failed.
> > >
> > > I know my com 4 port works with the radio because I use N4PY software with no problems. My computer has a serial card with DB9. I did this so there is on need for the USB/serial adapter. I also have a Eagle and Omni VII which I update with no problems.
> > >
> > > NO! The N4PY software is not running. The com port is free for the Orion II. This radio is about one month, and this will be my first update for it.
> > >
> > > Is there a bug in the program?
> > >
> > > Jerry
> > > ki4ps
> > > On Apr 10, 2012, at 9:44 PM, k7fd wrote:
> > >

> > > > OK, I'm puzzled. Using com1 according to XP device manager. Have supplied cable from rig to pc. Followed the instructions to a T.
> > > >
> > > > On the Flash Update Utility program it says:
> > > >
> > > > Detected Command line switch to ignore radio responses and errors.
> > > >
> > > > Then it gives the path to the *.ruf file
> > > >
> > > > 10640 total lines in file
> > > > Using Serial interface: Using Serial interface
> > > >
> > > > Orion ROM update file
> > > >
> > > > Then I get a an ERROR ENCOUNTERED message box that says
> > > > communication with the radio has failed and the radio may not
> > > > function properly. Check for proper power and interface connections. Cycle the power on the radio and retry the programming operation.
> > > >
> > > > OK, I did all that. Nothing but the same error. Anyone have any ideas other than a bad serial cable?
> > > >
> > > > Thanks!
> > > >
> > > > 73 John K7FD
> > > >
> > >
> > >
> > >
> > >
> > >
> > > TODAY(Beta) ☐ Powered by Yahoo!
> > > Arkansas fires football coach amid scandal
> > > Privacy Policy
> > >
> > >
> > >
> >
> >
> > [Non-text portions of this message have been removed]
>

8225. Re: Orion 565 Upgrade to v3

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-12 06:49:29 UTC
From: pa1ap
Topic: 8120 Message: 8225

I have no idea nor suggestions.... perhaps the dsp is broken or there is a thermal connection problem... bad soldering, cracked pcb lane etc... perhaps best to take out the cpu board and ship it to ten tec service center for analysis and repair. Regards, onno
--- In orion565@yahoogroups.com, "IK4PKN" <ik4pkn@...> wrote:
>
> Hi Onno,
> I do not think could be a faulty memory segment, otherwise it would block too cold. DSPchip to lock must achieve 45/55 ° C approx ...
> the chip that creates problems is U100A ... without cold fan hangs with the new firmwarein about 15-20 minutes. with the firmware 2069b no problem and the chip U100Areaches about 38 ° C max + / -2 ° C ...
> I know it's strange but true ...
> regards
>
> Paolo ik4pkn
>
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > I had the 565 running for days in a row performing all sorts of punishment during beta testing and never found the unit hanging. To me it seems something else might be wrong. It could be that the code claims more bytes and hence you might be running into a defective memory segment. Or the pcb might have a pcb connection broken or bad solder. Its guessing for root cause. How long does it take for the orion to freeze when cold started? Does it take seconds, minutes, hours? If hours heating could be the issue. But seconds it indicates some sort of defect causing the firmware to crash. if I have the unit running the chips get hand warm at most. Do you know which components gets overheated? Regards, onno
> >
> > --- In orion565@yahoogroups.com, "IK4PKN" <ik4pkn@> wrote:
> > >
> > > sorry for the trouble ... you read my posts?
> > > **
> > >
> > > i send this message again...
> > >
> > > Hi John KI4JPL, and the group,
> > >
> > > I have a question to ask.
> > > I bought a used orion 565, if I install the firmware 3,030, I must to cool the dsp ic, otherwise the radio freezes. If I leave the old firmware installed 2.062a, I need not to cool the dsp. Can be that the new firmware due to many operations causing this overheating?
> > > regards
> > > Paolo Castoldi ik4pkn
> > >

> >
>

8226. Re: [orion565] RX366 - It is worth the cost?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-12 09:38:17 UTC
From: Barry N1EU
Topic: 8208 Message: 8226

I think the open barn door is lack of band pass filters outside the ham bands.

Barry N1EU

On Thu, Apr 12, 2012 at 4:07 AM, Tony Sokol <tonysokol@sbcglobal.net> wrote:

> **
>
>
> Would the installation of an AM filter close the barn door?
>
>
> On 4/11/2012 2:38 PM, John T. Fleming wrote:
> >
> > Tom,
> >
> > It depends how you use your Orion. If you are a contester, you will
> > want it.
> > If you like to listen to foreign broadcast, etc. do not buy it. It is
> very
> > ham specific and on general coverage, _it is like the entire side of
> > the barn
> > is open. _Look at the Ten-Tec info and they talk ham band specific. I
> > talked
> > to both John Henry and Stan at the Orlando Hamcation. For my usage
> > which is
> > SWL, I will have wasted my money. The original is better for that
> purpose.
> >
> > 73,
> >
> > John
> >
> > PS My son and wife live on 56st Street.
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>]
> > On Behalf
> > Of NE7X
> > Sent: Wednesday, April 11, 2012 2:45 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>
> > Subject: [orion565] RX366 - It is worth the cost?
> >
> > I would like to hear comments from others, pros/cons, if the added

> > features
> > of the RX366 sub-receiver for the Orion-II is worth the cost.
> >
> > Thanks, NE7X...
> >
> > [Non-text portions of this message have been removed]
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

8227. Re: [orion565] Re: Frustrated with failed update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-12 10:41:15 UTC
From: Jerry Rogers
Topic: 8193 Message: 8227

Thanks Gene for your input. Well received, and all the others that gave input also.

I must say the upgrade from V2 to V3 with the SAF is great. Being a cw operator that's an item I missed. As I write these comments, I'm on 75 meters SSB and just used the SAF for a very weak signal. IT WORKS.

Again, thanks for all the input. Will log it in my GRAY MATTER.

73, ki4ps
Jerry

On Apr 12, 2012, at 1:41 AM, storygene wrote:

> Very good Jerry. By using the USB to Serial, that means a different physical port which either did not have a shared IRQ or it is shared but nothing in the share envoked an interrupt during the time of the firmware data transfer. This is more likely than anything to do with the adapter type or it's driver. In the end, the data transfer speed remains the same since the gating factor is the bits per second that the radio works with which is slower than USB is capable of providing.
>
> In many commercial situations, I have run into many situations with the exact same results on USB to USB and USB to Serial too.
>
> Re your serial interface card: If you want to study the original issue farther, you can look into the subject of Interrupts as related to PCI slots on the Internet. It gets a bit convoluted to keep it all straight in the mind. Sometimes the issue you had can be solved by simply moving the card to another slot. Depending on the motherboard you have, you may be able to tinker at the root of this by making changes in the BIOS window that comes up (usually flashes by quickly so you have to know how to freeze it to remain on screen) before Windows OS launches.
>
> On the other hand; you found a solution and I can understand you probably would just like to leave this as-is. Re: If it's not broke, don't fix it and no more frustration to be sure! It is certainly more fun to just get back on the air.
>
> Gene / K7TX
>
> --- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@...> wrote:
>>
>> Well all is good with the upgrade to my Orion II. I've been using my desktop with a serial card for the Omni VII, and other rigs for sometime now. The Eagle and Omni VII have never given me a problem with FW upgrades on this computer.
>>
>> Well I seen where someone<XHTML-STRIPONREPLY> </XHTML-STRIPONREPLY>tions of this message have been removed]
>>

>
>

8228. Re: RX366 - It is worth the cost?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-12 15:04:09 UTC
From: Harry G McGavran Jr
Topic: 8208 Message: 8228

Since there has been very little posted on the two major Ten-Tec lists
about this, I figured I'd respond to this one.

--- In orion565@yahoogroups.com, "NE7X" <mayo@...> wrote:
>
>Re: RX366 - It is worth the cost?
>
>Has anyone connected it up with the LP-PAN?
>Wonder how well it works in this configuration?
>NE7X...
>
>--- In orion565@yahoogroups.com, "NE7X" <mayo@...> wrote:
>>
>> I would like to hear comments from others, pros/cons, if the added features of
>the RX366 sub-receiver for the Orion-II is worth the cost.
>>
>> Thanks, NE7X...
>>

I have an RX366 installed in my Orion II and I'm using it with an
Elecraft P3. This isn't an LP-PAN, but your results with the LP-PAN
would be very similar. One other person on these lists posted
a request for people's experience as he was using his RX366 with
an LP-PAN and I corresponded with him enough to know that the
results are very similar using the RX366 with either the LP-PAN
or P3.

I'm using the P3 with a Z100000B 15db preamp between it and the
RX366. There are only two (perhaps three) negatives.

o There is about an S9 spur at -14.06Khz that is constantly there.

o The 9MHz IF output from the RX366 is a fair amount of ripple
in it's passband -- that is the response/sensitivity varies
+/- 3db or so every 1 or 2 khz. There is a MUCH bigger dip
from +1.5 to +5Khz. That dip is about -10db or -15db and it's minimum
is at about +3Khz. By +10Khz that dip is back up to nearly the
same as the rest of the pass band. The LP-PAN user didn't like
that dip (he called it a "hump") and returned his RX366.
But, I guess I didn't expect the IF passband to be flat and I'm
really happy with the combination.

o When you are transmitting, you see your transmitted signal
on the RX366 IF output -- but the signal appears wider than
it really is and the entire display will shift upwards with
transmit output. This bothered the "hump" user above as well

because he wanted a good representation of his transmitted signal. That's not a concern for me either, but it might be for some others.

The 15db preamp is quite adequate, but to come closer to the signal level that the K3 would have given the P3, I'd need 20 or 25db. This is adjustable in the P3 so I can compensate for the 5 or 10 db difference in the P3 and it works just fine.

By the way, the receiver noise is flat across the 9MHz IF output. You see the ripple and +3kHz dip when the noise/signals from the antenna exceed the receiver noise. This of course is much (most) of the time. You'll see it distinctly if you put a white noise source on your receiver or with static crashes etc.

All in all I'm very happy with mine. All the other benefits people describe for the RX366 are certainly true. I wouldn't give mine up.

Also, I use it for general coverage as well and I haven't had any problems with that either.

I wouldn't give up my RX366.

--

Harry G. McGavran, Jr.

E-mail: w5pny@...

8230. Re: RX366 - It is worth the cost?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-12 19:55:46 UTC
From: NE7X
Topic: 8208 Message: 8230

Harry W5PNY

Thanks for your detailed response to my query. In some way I would have to agree with the "hump" user, especially on the monitoring of your transmit signal. I would want to know if my transmit signal was clean and within the correct bandwidth characteristic. For the cost of the RX366 my expectations would be adequate display of my transmit signal. The other issues you listed could be tolerated. Maybe TenTec will read this posting and consider update improvements to the RX366 design.

73s, Thomas NE7X...

--- In orion565@yahoogroups.com, "NE7X" <mayo@...> wrote:
>
> I would like to hear comments from others, pros/cons, if the added features of the RX366 sub-receiver for the Orion-II is worth the cost.
>
> Thanks, NE7X...
>

8234. Single errant pixel on 566 display

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-13 08:51:53 UTC
From: k7fd
Topic: 8234 Message: 8234

Has anyone experienced a random pixel...one 'dot'...on their display? I have one that is sitting about a quarter inch above the sweep scale just left of center. Its color is the same as lettering in the display, no matter what color scheme I choose. Sometimes it 'goes away' when I turn the radio off and back on. But then returns later.

I am on very latest V3.029 but noticed it was there at times on V3.026.

73 John K7FD

8235. Re: Single errant pixel on 566 display

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-14 08:58:51 UTC
From: pa1ap
Topic: 8234 Message: 8235

Unless V2 firmware does not show this pixel and this pixel does not move around you might have a dormant pixel in your screen.

--- In orion565@yahoogroups.com, "k7fd" <wolfmanjack@...> wrote:
>
> Has anyone experienced a random pixel...one 'dot'...on their display? I
> have one that is sitting about a quarter inch above the sweep scale just
> left of center. Its color is the same as lettering in the display, no
> matter what color scheme I choose. Sometimes it 'goes away' when I turn
> the radio off and back on. But then returns later.
>
> I am on very latest V3.029 but noticed it was there at times on V3.026.
>
> 73 John K7FD
>

8236. Re: Single errant pixel on 566 display

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-16 19:33:02 UTC
From: k7fd
Topic: 8234 Message: 8236

Errant pixel has not shown up again since my original post. Will keep fingers crossed...

73 John K7FD

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Unless V2 firmware does not show this pixel and this pixel does not move around you might have a dormant pixel in your screen.
>
> --- In orion565@yahoogroups.com, "k7fd" <wolfmanjack@> wrote:
> >
> > Has anyone experienced a random pixel...one 'dot'...on their display? I
> > have one that is sitting about a quarter inch above the sweep scale just
> > left of center. Its color is the same as lettering in the display, no
> > matter what color scheme I choose. Sometimes it 'goes away' when I turn
> > the radio off and back on. But then returns later.
> >
> > I am on very latest V3.029 but noticed it was there at times on V3.026.
> >
> > 73 John K7FD
> >
>

8238. New Orion II owner...very pleased w/ this rig!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-17 04:53:00 UTC
From: k7fd
Topic: 8238 Message: 8238

I sorta stumbled into the O2, trading a Ten Tec RX340 receiver in on it. I wasn't seriously in the transceiver market, although my IC775DSP was indeed getting long in the tooth, hi. What got the ball rolling was the generous trade-in allowance Ten Tec offered on the RX340. I was pleasantly surprised to learn a 2004 vintage RX340 would cut the price of a new O2 by more than half!

Even more amazing, a new firmware release comes out a week after I purchase the radio! My hat is off to all those who had to wait...

For several years I had been 'kicking tires' at hamfests looking for a new rig that lit my fire a bit. I've been a big Elecraft fan since they started out, but for some reason the K3 didn't float my boat. No doubt it is excellent, but for me it lacked the kind of 'sound' I like to listen to when tuning around the bands. Yaesu and Icom had pretty faces for sure...but a price to match. So in the back of my head I kept thinking Ten Tec, but none were on display...

Luckily I took Stan Brock up on his trade-in offer and took a flyer on a rig I hadn't seen or heard. Reading the overwhelmingly positive reviews on eHam sealed the deal...

I must say the O2 looks beautiful! It looks much better in person than the photos portray in the magazines and on the web. And the sound of the receiver was all I was hoping for and more! It's like a a direct connection to the ionosphere! That kind of clean sound is rare...

After several weeks on the air, I have nothing but good things to say about the O2. But guess I'm preaching to the choir...

If someone is contemplating making a jump to the Orion II, I can only say my experience with the radio and Ten Tec has been excellent!

73 John K7FD

8239. Re: [orion565] New Orion II owner...very pleased w/ this rig!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-17 19:34:43 UTC
From: Sam W Jacobs CET
Topic: 8238 Message: 8239

YOU BOUGHT THAT RADIO OFF OF STAN ??

Now you are in for it ! All you can look forward to is excellent service, good advice, a bunch of us crazies that hang out here and probably
the best radio you've ever encountered.

There's one born every minute. Good Luck. Stan, huh ?

73, Sam
K3SAM

(Welcome Aboard)

From: k7fd <wolfmanjack@...>
To: orion565@yahoogroups.com
Sent: Tuesday, April 17, 2012 12:53 AM
Subject: [orion565] New Orion II owner...very pleased w/ this rig!

I sorta stumbled into the O2, trading a Ten Tec RX340 receiver in on it. I wasn't seriously in the transceiver market, although my IC775DSP was indeed getting long in the tooth, hi. What got the ball rolling was the generous trade-in allowance Ten Tec offered on the RX340. I was pleasantly surprised to learn a 2004 vintage RX340 would cut the price of a new O2 by more than half!

Even more amazing, a new firmware release comes out a week after I purchase the radio! My hat is off to all those who had to wait...

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After several weeks on the air, I have nothing but good things to say about the O2. But guess I'm preaching to the choir...

If someone is contemplating making a jump to the Orion II, I can only say my experience with the radio and Ten Tec has been excellent!

73 John K7FD

[Non-text portions of this message have been removed]

8240. Re: [orion565] New Orion II owner...very pleased w/ this rig!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-17 21:03:57 UTC
From: Larry Menzel
Topic: 8238 Message: 8240

Yeah, right...who's Stan?

Larry, W0PR

On Tue, Apr 17, 2012 at 2:34 PM, Sam W Jacobs CET <Sam@...> wrote:

> **
>
>
> YOU BOUGHT THAT RADIO OFF OF STAN ??
>
> Now you are in for it ! All you can look forward to is excellent service,
> good advice, a bunch of us crazies that hang out here and probably
> the best radio you've ever encountered.
>
> There's one born every minute. Good Luck. Stan, huh ?
>
> 73, Sam
> K3SAM
>
> (Welcome Aboard)
>
> _____
> From: k7fd <wolfmanjack@charter.net>
> To: orion565@yahoogroups.com
> Sent: Tuesday, April 17, 2012 12:53 AM
> Subject: [orion565] New Orion II owner...very pleased w/ this rig!
>
>
>
>
>
> I sorta stumbled into the O2, trading a Ten Tec RX340 receiver in on it. I
> wasn't seriously in the transceiver market, although my IC775DSP was indeed
> getting long in the tooth, hi. What got the ball rolling was the generous
> trade-in allowance Ten Tec offered on the RX340. I was pleasantly surprised
> to learn a 2004 vintage RX340 would cut the price of a new O2 by more than
> half!
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> purchase the radio! My hat is off to all those who had to wait...
>
> For several years I had been 'kicking tires' at hamfests looking for a new
> rig that lit my fire a bit. I've been a big Elecraft fan since they started
> out, but for some reason the K3 didn't float my boat. No doubt it is
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> sure...but a price to match. So in the back of my head I kept thinking Ten
> Tec, but none were on display...
>
> Luckily I took Stan Brock up on his trade-in offer and took a flyer on a
> rig I hadn't seen or heard. Reading the overwhelmingly positive reviews on
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>
> I must say the O2 looks beautiful! It looks much better in person than the
> photos portray in the magazines and on the web. And the sound of the
> receiver was all I was hoping for and more! It's like a a direct connection
> to the ionosphere! That kind of clean sound is rare...
>
> After several weeks on the air, I have nothing but good things to say
> about the O2. But guess I'm preaching to the choir...
>
> If someone is contemplating making a jump to the Orion II, I can only say
> my experience with the radio and Ten Tec has been excellent!
>
> 73 John K7FD
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

8242. Re: [orion565] New Orion II owner...very pleased w/ this rig!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-17 22:06:32 UTC
From: wolfmanjack@charter.net
Topic: 8238 Message: 8242

I stan corrected...

On Tue, Apr 17, 2012 at 2:29 PM, catfishtwo@... wrote:

you know....stan

tom N6AJR

In a message dated 4/17/2012 2:04:03 P.M. Pacific Daylight Time,
retire@...
<javascript:parent.wgMail.openComposeWindow('retire@...')> writes:

Yeah, right...who's Stan?

Larry, W0PR

On Tue, Apr 17, 2012 at 2:34 PM, Sam W Jacobs CET < Sam@...
<javascript:parent.wgMail.openComposeWindow('Sam@...')> > wrote:

> **
>
> YOU BOUGHT THAT RADIO OFF OF STAN ??
> Now you are in for it ! All you can look forward to is excellent
service,
> good advice, a bunch of us crazies that hang out here and probably
> the best radio you've ever encountered.
> There's one born every minute. Good Luck. Stan, huh ?
> 73, Sam K3SAM
> (Welcome Aboard)
> _____
>>
> Luckily I took Stan Brock up on his trade-in offer and took a flyer
> on a rig I hadn't seen or heard. Reading the overwhelmingly positive
> reviews
on
> eHam sealed the deal...

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('Sam@...')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

8243. FS:Orion/OrionII RX366 Subreceiv er Board☐☐

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-18 22:19:18 UTC
From: Warren Harhay
Topic: 8243 Message: 8243

FS: Orion/Orion2 RX366 SubReceiver Board

Brand new in box from TenTec subreceiver upgrade board for the Orion I or II. I purchased this but decided against installing it. $600 shipped. PayPal OK

Warren
K8NPI

[Non-text portions of this message have been removed]

8244. FS: 600Hz Filter #762 and Heil AD-1T adapter

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-18 23:52:51 UTC
From: rmsant44
Topic: 8244 Message: 8244

Hello,

I have the following for sale:

International Radio #762 9001.5KHz IF, 600Hz filter for Orion . $75 shipped Priority Mail to lower 48.

Heil AD-1-T 4 pin cable adapter, never used, sealed new in package. $15 shipped in bubble envelope to lower 48.

Thanks,
Rob
K6DQ

8245. Orion II: strange crackling noise

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-20 04:34:35 UTC
From: k7fd
Topic: 8245 Message: 8245

Hello, almost TGIF!

OK, a new little strange thing happened with the Orion II tonight. I switched the rig on, landed on 40M cw and noticed a 'crackling' sound in my headphones during my sending. Like a dirty pot sound. Maybe a poor connection at the headphone jack? Nope. Then I thought it might have had something to with the QSK and the rig trying to compensate for the S4 static crashes in between characters sent. But then I went to turn the volume control down and it crackeled a bit too with each detent. Got a whole lotta cracklin' going on here.

Anyway, after playing with ATTN, RF Gain, etc. looking for a solution I finally gave up and decided to turn the rig OFF and then back ON. Well, that cured the crackling noises! Apparently something...I don't know what...was out of whack but powering the rig down and back up cured it. This doesn't run a Windows OS does it? Hi...

Wonder if anyone else has experienced this odd behavior? This and the errant display pixel (which hasn't been seen since) have been the only strange stuff. Should I get used to these weird little goings on and just keep drinking the cool aid? I do love my Orion II...

73 John K7FD

8246. Re: FS: 600Hz Filter #762 and Heil AD-1T adapter

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-20 15:36:06 UTC
From: Phil Sikes
Topic: 8244 Message: 8246

Can you take paypal? If so I would like to buy the Heil AD-1-T adapter.

Thanks - Phil N7UX

--- In orion565@yahoogroups.com, "rmsant44" <ygrob@...> wrote:
>
> Hello,
>
> I have the following for sale:
>
> International Radio #762 9001.5KHz IF, 600Hz filter for Orion . $75 shipped Priority Mail to lower 48.
>
> Heil AD-1-T 4 pin cable adapter, never used, sealed new in package. $15 shipped in bubble envelope to lower 48.
>
> Thanks,
> Rob
> K6DQ
>

8247. Re: FS: 600Hz Filter #762 and Heil AD-1T adapter

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-21 02:13:33 UTC
From: Doug
Topic: 8244 Message: 8247

Rob, I'll take the Inrad 762. Let me know how you want to do this. I can do PAYPAL, or I can send you an MO whatever works for you. Thanks.
If you want to take this offline email to:
blujkt@...

Doug N9NX

--- In orion565@yahoogroups.com, "rmsant44" <ygrob@...> wrote:
>
> Hello,
>
> I have the following for sale:
>
> International Radio #762 9001.5KHz IF, 600Hz filter for Orion . $75 shipped Priority Mail to lower 48.
>
> Heil AD-1-T 4 pin cable adapter, never used, sealed new in package. $15 shipped in bubble envelope to lower 48.
>
> Thanks,
> Rob
> K6DQ
>

8248. Problem with my Orion-I

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-21 20:39:58 UTC
From: Jose V. Gavila
Topic: 8248 Message: 8248

Hi all,

I am working on my Orion-I (3.032), which has an strange fault. Most times, it does not power up properly. It shows the usual "SYSTEM LOADING" and then, always, shows "Master Reset Complete" and asks if it has the RX-366 installed.

I have upgraded it today to 3.032, just in case the fault was a firmware thing, but problem was similar (not identical) with 2.068. What happened then is that unit powered up with low contrast and then all knobs worked OK but nothing was heard from the speaker nor any signal was shown on S-meter. What is weird is that, from time to time, unit powers up OK and works!. This has happened both with 2.x and 3.x firmware.

I am a semi-professional rig fixer (I have done about 1000 or so in last 10 years) but this is my third Orion-I work and the other ones had a very different problem.

I have tried the LOCK-B trick to reset memory and such, but it does not help either.

One thing which is different that it was with 2.x is that RF GAIN does not affect S-meter deflection. On 2.x it moved, but just to about S-5, when RFGAIN was at minimum. Now it keeps on zero.

I think there is a problem with the control circuit... any hint?

Thanks and best regards,

JOSE
--
73 EB5AGV - JOSE V. GAVILA - IM99sm La Canyada - Valencia(SPAIN)
Radio and Test Equipment....... http://jvgavila.com
RadioRepair BLOG.............. http://radiorepair.blogspot.com

8249. Re: [orion565] Problem with my Orion-I

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-21 20:54:40 UTC
From: Barry N1EU
Topic: 8248 Message: 8249

Your battery may need replacing.

http://www.tentecwiki.org/doku.php?id=565battery

73,
Barry N1EU

On Sat, Apr 21, 2012 at 8:39 PM, Jose V. Gavila <eb5agv@...> wrote:

> **
>
>
> Hi all,
>
> I am working on my Orion-I (3.032), which has an strange fault. Most
> times, it does not power up properly. It shows the usual "SYSTEM
> LOADING" and then, always, shows "Master Reset Complete" and asks if
> it has the RX-366 installed.
>
> I have upgraded it today to 3.032, just in case the fault was a
> firmware thing, but problem was similar (not identical) with 2.068.
> What happened then is that unit powered up with low contrast and then
> all knobs worked OK but nothing was heard from the speaker nor any
> signal was shown on S-meter. What is weird is that, from time to
> time, unit powers up OK and works!. This has happened both with 2.x
> and 3.x firmware.
>
> I am a semi-professional rig fixer (I have done about 1000 or so in
> last 10 years) but this is my third Orion-I work and the other ones
> had a very different problem.
>
> I have tried the LOCK-B trick to reset memory and such, but it does
> not help either.
>
> One thing which is different that it was with 2.x is that RF GAIN
> does not affect S-meter deflection. On 2.x it moved, but just to
> about S-5, when RFGAIN was at minimum. Now it keeps on zero.
>
> I think there is a problem with the control circuit... any hint?
>
> Thanks and best regards,
>
> JOSE
> --
> 73 EB5AGV - JOSE V. GAVILA - IM99sm La Canyada - Valencia(SPAIN)
> Radio and Test Equipment....... http://jvgavila.com

> RadioRepair BLOG.............. http://radiorepair.blogspot.com
>
>
>

[Non-text portions of this message have been removed]

8250. Problem with my Orion-I

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-21 21:28:21 UTC
From: Jose V. Gavila
Topic: 8248 Message: 8250

Hi all,

Some further info:

-The Orion-I I am fixing is part of my shack :-)

-All power supplies are OK

-I have replaced already the capacitors at the regulator board

Looking for some info on the WEB, I have located a pretty interesting
article. Could my problem be related with this?

http://tentecwiki.org/doku.php?id=565battery

I read with interest this comment: "Upon initial restart I had no
audio output until I did a ram and master reset at least twice
(possibly three times) before the radio would function normally."...
which is close to what happens in my unit!

BTW, I have removed battery and, yes, voltage is just about 1.3V...

Thanks and best regards,

JOSE
--
73 EB5AGV - JOSE V. GAVILA - IM99sm La Canyada - Valencia(SPAIN)
Radio and Test Equipment....... http://jvgavila.com
RadioRepair BLOG.............. http://radiorepair.blogspot.com

8251. Problem with my Orion-I: FIXED!!!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-21 23:01:57 UTC
From: Jose V. Gavila
Topic: 8251 Message: 8251

Hi all,

Well, I found the problem!. It was the RAM battery which was gone and so the unit didn't reset properly most of the times.

I have done some surgery to the original battery and have piggy-backed a CR-2032 plus a series diode (as nominal voltage was 2.8V) with a holder, so it will be easy to replace next time and I won't need the special battery plus it will last lots longer.

The final trick was to perform a MASTER RESET. Now the rig works and keeps the operating parameters after power up.

Thanks and best regards from a happy camper :-)

JOSE
--
73 EB5AGV - JOSE V. GAVILA - IM99sm La Canyada - Valencia(SPAIN)
Radio and Test Equipment....... http://jvgavila.com
RadioRepair BLOG.............. http://radiorepair.blogspot.com

8252. Re: [orion565] Problem with my Orion-I: FIXED!!!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-21 23:15:58 UTC
From: Barry N1EU
Topic: 8251 Message: 8252

On Sat, Apr 21, 2012 at 11:01 PM, Jose V. Gavila <eb5agv@...> wrote:

> **
>
>
> Hi all,
>
> Well, I found the problem!. It was the RAM battery which was gone and
> so the unit didn't reset properly most of the times.
>
I'm glad you found the problem Jose. I tried to point you in that
direction, but I guess my message didn't get through.

http://groups.yahoo.com/group/orion565/message/8249

73,
Barry N1EU

[Non-text portions of this message have been removed]

8253. Re: Problem with my Orion-I: FIXED!!!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-21 23:51:32 UTC
From: EB5AGV
Topic: 8251 Message: 8253

Hi Barry,

Oops!. From the Group WEB page I can see your message (I am replying here), but I had not received it :-(!. And I have checked my spam filter and it was not there...

Well, anyway thanks a lot for your hint. I am glad that I finally ended in same place by myself, hi!

I will post some pictures of my 565 'mega backup system' ;-) in my WEB; when it is done, I will post here a link.

Best regards,

JOSE

--
73 EB5AGV - JOSE V. GAVILA - IM99sm La Canyada - Valencia(SPAIN)
Radio and Test Equipment....... http://jvgavila.com
RadioRepair BLOG.............. http://radiorepair.blogspot.com

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> On Sat, Apr 21, 2012 at 11:01 PM, Jose V. Gavila <eb5agv@...> wrote:
>
> > **
> >
> >
> > Hi all,
> >
> > Well, I found the problem!. It was the RAM battery which was gone and
> > so the unit didn't reset properly most of the times.
> >
> I'm glad you found the problem Jose. I tried to point you in that
> direction, but I guess my message didn't get through.
>
> http://groups.yahoo.com/group/orion565/message/8249
>
> 73,
> Barry N1EU

8254. Re: RX366 - It is worth the cost?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-23 15:29:22 UTC
From: Phil Sikes
Topic: 8208 Message: 8254

The Orion II I just bought from a friend was connected to LP-PAN and I got all the goodies when I bought it. I hope to get everything hooked up in the near future so I will let you know how it goes. It is killing me to just look at it sitting on the floor but a family visit has put things on hold for a few days. It is going to look good on the same desk as my Argonaut V.

73 - Phil N7UX

--- In orion565@yahoogroups.com, "NE7X" <mayo@...> wrote:
>
> Has anyone connected it up with the LP-PAN?
> Wonder how well it works in this configuration?
> NE7X...
>
> --- In orion565@yahoogroups.com, "NE7X" <mayo@> wrote:
> >
> > I would like to hear comments from others, pros/cons, if the added features of the RX366 sub-receiver for the Orion-II is worth the cost.
> >
> > Thanks, NE7X...
> >
>

8255. Re: [orion565] Re: RX366 - It is worth the cost?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-23 16:19:09 UTC
From: tnnyswy@yahoo.com
Topic: 8208 Message: 8255

Phil, how did your post address the question asked by NE7X

(((73))) Milverton.

>_____
> From: Phil Sikes <psikes@whidbey.net>
>To: orion565@yahoogroups.com
>Sent: Monday, April 23, 2012 10:29 AM
>Subject: [orion565] Re: RX366 - It is worth the cost?
>
>
>
>The Orion II I just bought from a friend was connected to LP-PAN and I got all the goodies when I bought it. I hope to get everything hooked up in the near future so I will let you know how it goes. It is killing me to just look at it sitting on the floor but a family visit has put things on hold for a few days. It is going to look good on the same desk as my Argonaut V.
>
>73 - Phil N7UX
>
>--- In orion565@yahoogroups.com, "NE7X" <mayo@...> wrote:
>>
>> Has anyone connected it up with the LP-PAN?
>> Wonder how well it works in this configuration?
>> NE7X...
>>
>> --- In orion565@yahoogroups.com, "NE7X" <mayo@> wrote:
>> >
>> > I would like to hear comments from others, pros/cons, if the added features of the RX366 sub-receiver for the Orion-II is worth the cost.
>> >
>> > Thanks, NE7X...
>> >
>>
>
>
>
>
>
>

[Non-text portions of this message have been removed]

8256. Re: [orion565] Re: RX366 - It is worth the cost?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-23 16:30:08 UTC
From: Barry N1EU
Topic: 8208 Message: 8256

Because NE7X asked "Has anyone connected it up with the LP-PAN? Wonder how well it works in this configuration?"

On Mon, Apr 23, 2012 at 4:19 PM, <tnnyswy@...> wrote:

> **
>
>
> Phil, how did your post address the question asked by NE7X
>
> (((73))) Milverton.
>
> >_____
> > From: Phil Sikes <psikes@...>
> >To: orion565@yahoogroups.com
> >Sent: Monday, April 23, 2012 10:29 AM
> >Subject: [orion565] Re: RX366 - It is worth the cost?
>
> > >
> > >
> > >
> >The Orion II I just bought from a friend was connected to LP-PAN and I
> got all the goodies when I bought it. I hope to get everything hooked up in
> the near future so I will let you know how it goes. It is killing me to
> just look at it sitting on the floor but a family visit has put things on
> hold for a few days. It is going to look good on the same desk as my
> Argonaut V.
> >
> >73 - Phil N7UX
> >
> >--- In orion565@yahoogroups.com, "NE7X" <mayo@...> wrote:
> >>
> >> Has anyone connected it up with the LP-PAN?
> >> Wonder how well it works in this configuration?
> >> NE7X...
> >>
> >> --- In orion565@yahoogroups.com, "NE7X" <mayo@> wrote:
> >> >
> >> > I would like to hear comments from others, pros/cons, if the added
> features of the RX366 sub-receiver for the Orion-II is worth the cost.
> >> >
> >> > Thanks, NE7X...
> >> >
> >>
> >

> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

8257. Re: RX366 - It is worth the cost?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-25 16:25:54 UTC
From: Phil Sikes
Topic: 8208 Message: 8257

Well, the question I read was has anyone connected an O II up with LP-PAN. The Orion I bought was connected with LP-PAN and I plan on re-connecting it soon. Did I misread the question or should I have not answered until I had all of the wired connected?

73 - Phil N7UX

--- In orion565@yahoogroups.com, tnnyswy@... wrote:
>
> Phil, how did your post address the question asked by NE7X
>
> (((73))) Milverton.
>
>
>
>
> >_____
> > From: Phil Sikes <psikes@...>
> >To: orion565@yahoogroups.com
> >Sent: Monday, April 23, 2012 10:29 AM
> >Subject: [orion565] Re: RX366 - It is worth the cost?
> >
> >
> >Â
> >The Orion II I just bought from a friend was connected to LP-PAN and I got all the goodies when I bought it. I hope to get everything hooked up in the near future so I will let you know how it goes. It is killing me to just look at it sitting on the floor but a family visit has put things on hold for a few days. It is going to look good on the same desk as my Argonaut V.
> >
> >73 - Phil N7UX
> >
> >--- In orion565@yahoogroups.com, "NE7X" <mayo@> wrote:
> >>
> >> Has anyone connected it up with the LP-PAN?
> >> Wonder how well it works in this configuration?
> >> NE7X...
> >>
> >> --- In orion565@yahoogroups.com, "NE7X" <mayo@> wrote:
> >> >
> >> > I would like to hear comments from others, pros/cons, if the added features of the RX366 sub-receiver for the Orion-II is worth the cost.
> >> >
> >> > Thanks, NE7X...
> >> >
> >>

> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>

8258. Re: [orion565] RX366 - It is worth the cost?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-25 18:23:02 UTC
From: Richard Cash
Topic: 8208 Message: 8258

I installed the LP-Pan on a previous Orion II using the Clifton Labs preamp/interface for the IF output. It worked very well. I also have used the Flex Radios and the LP-Pan was very comparable to them. Of course, the software is very similar so it should work very close. I am thinking about installing the LP-Pan in my current Orion II, also. I've been tempted to try the Elecraft P3, too. I think that would be an interesting combination.
Dick W4WU

8259. Test - please ignore

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-25 19:14:35 UTC
From: Rod Greene
Topic: 8259 Message: 8259

Changed password - Rod/w7zrc

[Non-text portions of this message have been removed]

8260. Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-26 13:29:51 UTC
From: Jerry Rogers
Topic: 645 Message: 8260

A strange thing happen today while I was on 75 meters with the Orion II. I as monitoring two 75 meter frequencies with the main and sub receivers. The audio menu was set for both main and sub (both)

When I would switching the frequencies via the A/B button so I could transmit one one of the frequencies ("A" VFO) the "A" VFO would show correctly, but would be off frequency by about two KHz. Sometimes I could hear the station, but the audio was very low.

If I turned the main dial back and forth, then the frequency corrected itself, and all was well.

I turned off the radio for several minutes, then back on. Still the same problem.

I then turned off the radio for about five minutes, and now all seems to be okay.

Very strange.

Jerry, ki4ps

8261. WTB HAL ST-8000

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-26 18:09:58 UTC
From: Mr
Topic: 8261 Message: 8261

Looking for a Hal ST-8000, contact me offlist.

AC2Q

8262. PSK31 and Orion II question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-26 22:20:58 UTC
From: Phil Sikes
Topic: 8262 Message: 8262

Just got my lightly used Orion II as well as the Ten Tec 712 interface. I have RTTY up and running but no joy on PSK31. I am receiving signals just fine and the radio does mute the receiver on transmit but no output to the power meter in USB mode. Do I have the wrong mode selected or what? The same thing occurs with either Fldigi or WinWarbler. Any help will be appreciated.

73 - Phil N7UX

8263. RE: [orion565] PSK31 and Orion II question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-27 00:46:41 UTC
From: Duane Calvin
Topic: 8262 Message: 8263

Make sure you have the input to the transmitter selected properly in the menus. I believe you should be running USB mode for each of those.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Phil Sikes
Sent: Thursday, April 26, 2012 5:21 PM
To: orion565@yahoogroups.com
Subject: [orion565] PSK31 and Orion II question

Just got my lightly used Orion II as well as the Ten Tec 712 interface. I have RTTY up and running but no joy on PSK31. I am receiving signals just fine and the radio does mute the receiver on transmit but no output to the power meter in USB mode. Do I have the wrong mode selected or what? The same thing occurs with either Fldigi or WinWarbler. Any help will be appreciated.

73 - Phil N7UX

Yahoo! Groups Links

8264. Re: PSK31 and Orion II question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-27 02:11:55 UTC
From: Phil Sikes
Topic: 8262 Message: 8264

I have selected Aux as the input and am in USB for mode. The gent I bought it from is coming over this weekend to give me a hand in figuring out what the problem is. After this one is resolved I think I will be ready to start taking on the LP-Pan installation.

Thanks - Phil

--- In orion565@yahoogroups.com, "Duane Calvin" <ac5aa1@...> wrote:
>
> Make sure you have the input to the transmitter selected properly in the
> menus. I believe you should be running USB mode for each of those.
>
> 73, Duane
>
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
>
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Phil Sikes
> Sent: Thursday, April 26, 2012 5:21 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] PSK31 and Orion II question
>
> Just got my lightly used Orion II as well as the Ten Tec 712 interface. I
> have RTTY up and running but no joy on PSK31. I am receiving signals just
> fine and the radio does mute the receiver on transmit but no output to the
> power meter in USB mode. Do I have the wrong mode selected or what? The same
> thing occurs with either Fldigi or WinWarbler. Any help will be appreciated.
>
> 73 - Phil N7UX
>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>

8265. RE: [orion565] Re: PSK31 and Orion II question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-27 03:08:24 UTC
From: Andrew B. Steen
Topic: 8262 Message: 8265

Phil.

Are you looking to find the equipment?

I have the LP Pan, and the external soundcard (EMU-0202), with all documentation for setup and installation.

It would not work with my new computer running 7Pro, so I am going with a stand alone receiver.

You can contact me off line @ n2gff@...

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Phil Sikes
Sent: Thursday, April 26, 2012 7:12 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: PSK31 and Orion II question

I have selected Aux as the input and am in USB for mode. The gent I bought it from is coming over this weekend to give me a hand in figuring out what the problem is. After this one is resolved I think I will be ready to start taking on the LP-Pan installation.

Thanks - Phil

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "Duane Calvin" <ac5aa1@...> wrote:
>
> Make sure you have the input to the transmitter selected properly in the
> menus. I believe you should be running USB mode for each of those.
>
> 73, Duane
>
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
>
>
> -----Original Message-----
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On

Behalf
> Of Phil Sikes
> Sent: Thursday, April 26, 2012 5:21 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] PSK31 and Orion II question
>
> Just got my lightly used Orion II as well as the Ten Tec 712 interface. I
> have RTTY up and running but no joy on PSK31. I am receiving signals just
> fine and the radio does mute the receiver on transmit but no output to the
> power meter in USB mode. Do I have the wrong mode selected or what? The
same
> thing occurs with either Fldigi or WinWarbler. Any help will be
appreciated.
>
> 73 - Phil N7UX
>
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>
> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

8266. Re: PSK31 and Orion II question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-27 11:48:06 UTC
From: Skip
Topic: 8262 Message: 8266

Check the files section of this forum. I posted a doc file last year on how to set up the O2 for digital modes using HRD, GigiPan, and RMS Express.

Ed, WB4RHQ

--- In orion565@yahoogroups.com, "Phil Sikes" <psikes@...> wrote:
>
> Just got my lightly used Orion II as well as the Ten Tec 712 interface. I have RTTY up and running but no joy on PSK31. I am receiving signals just fine and the radio does mute the receiver on transmit but no output to the power meter in USB mode. Do I have the wrong mode selected or what? The same thing occurs with either Fldigi or WinWarbler. Any help will be appreciated.
>
> 73 - Phil N7UX
>

8267. Re: [orion565] PSK31 and Orion II question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-27 15:35:28 UTC
From: ☐Eddy Lamote☐
Topic: 8262 Message: 8267

Hi Phil,

first you can check with the monitor on if you hear digital signal coming out.
Then look to turn up the Aux Input gain checking if the power becomes higher.
Next turn up the audio amplitude/volume of the device generating your digital signal.

73 Eddy ON4AEY

Op 27-apr.-2012, om 00:20 heeft Phil Sikes het volgende geschreven:

> Just got my lightly used Orion II as well as the Ten Tec 712 interface. I have RTTY up and running but no joy on PSK31. I am receiving signals just fine and the radio does mute the receiver on transmit but no output to the power meter in USB mode. Do I have the wrong mode selected or what? The same thing occurs with either Fldigi or WinWarbler. Any help will be appreciated.
>
> 73 - Phil N7UX
>
>

[Non-text portions of this message have been removed]

8268. Re: PSK31 and Orion II question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-28 03:03:02 UTC
From: Phil Sikes
Topic: 8262 Message: 8268

Thanks to all who replied. It turns out it was the Aux Input Level turned down way too far and the fact that I didn't know approximately where to set it. Working like a champ now. Nothing like a little adversity to make you learn a new rig in a hurry.

73 - Phil

--- In orion565@yahoogroups.com, ï£¿Eddy Lamoteï£¿ <eddy.lamote@...> wrote:
>
> Hi Phil,
>
> first you can check with the monitor on if you hear digital signal coming out.
> Then look to turn up the Aux Input gain checking if the power becomes higher.
> Next turn up the audio amplitude/volume of the device generating your digital signal.
>
> 73 Eddy ON4AEY
>
> Op 27-apr.-2012, om 00:20 heeft Phil Sikes het volgende geschreven:
>
> > Just got my lightly used Orion II as well as the Ten Tec 712 interface. I have RTTY up and running but no joy on PSK31. I am receiving signals just fine and the radio does mute the receiver on transmit but no output to the power meter in USB mode. Do I have the wrong mode selected or what? The same thing occurs with either Fldigi or WinWarbler. Any help will be appreciated.
> >
> > 73 - Phil N7UX
> >
> >
>
>
>
> [Non-text portions of this message have been removed]
>

8269. Re: PSK31 and Orion II question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-27 21:13:55 UTC
From: Phil Sikes
Topic: 8262 Message: 8269

Thanks for the help. Aux Input Gain was the culprit. Big signals are now available on PSK31 as well as RTTY. Thanks a million..

73 - Phil N7UX

--- In orion565@yahoogroups.com, ï£¿Eddy Lamoteï£¿ <eddy.lamote@...> wrote:
>
> Hi Phil,
>
> first you can check with the monitor on if you hear digital signal coming out.
> Then look to turn up the Aux Input gain checking if the power becomes higher.
> Next turn up the audio amplitude/volume of the device generating your digital signal.
>
> 73 Eddy ON4AEY
>
> Op 27-apr.-2012, om 00:20 heeft Phil Sikes het volgende geschreven:
>
> > Just got my lightly used Orion II as well as the Ten Tec 712 interface. I have RTTY up and running but no joy on PSK31. I am receiving signals just fine and the radio does mute the receiver on transmit but no output to the power meter in USB mode. Do I have the wrong mode selected or what? The same thing occurs with either Fldigi or WinWarbler. Any help will be appreciated.
> > >
> > > 73 - Phil N7UX
> > >
> > >
>
>
>
> [Non-text portions of this message have been removed]
>

8270. Re: [orion565] PSK31 and Orion II question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-27 17:17:50 UTC
From: W Paul Mills
Topic: 8262 Message: 8270

I was never able to get the TenTec 712 interface to work with fldigi,
but it would work with HRD. I just use a SignaLink USB instead of the 712.

On 04/26/2012 05:20 PM, Phil Sikes wrote:
>
>
> Just got my lightly used Orion II as well as the Ten Tec 712 interface.
> I have RTTY up and running but no joy on PSK31. I am receiving signals
> just fine and the radio does mute the receiver on transmit but no output
> to the power meter in USB mode. Do I have the wrong mode selected or
> what? The same thing occurs with either Fldigi or WinWarbler. Any help
> will be appreciated.
>
> 73 - Phil N7UX

--
/**
* Amateur Radio Station AC0HY *
* W. Paul Mills SN807 *
* Assistant EC Alpha-1 ARES Shawnee/Wabunsee, KS *
* President Kaw Valley Amateur Radio Club *
**/

8271. Orion I + Microham Microkeyer

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-28 11:14:44 UTC
From: javier
Topic: 8271 Message: 8271

Hi

I have a orion 565 with the interface microKEYER microHAM in rtty fsk works perfectly but in psk the system starts but does not draw power transmission, something I miss in the configuration of transceiver or microKEYER.
I've tried both DX4WIN, N1MM and WriteLog and something I'm wrong
Someone who uses it can tell me the settings you have in the Orion I and microKEYER

any ideas
Thank in advance
73 de Javier EA5DKU

8272. Re: [orion565] Orion I + Microham Microkeyer

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-28 13:09:02 UTC
From: Larry Menzel
Topic: 8271 Message: 8272

Make sure you have enabled your front mic input in the ssb menu.
On Apr 28, 2012 6:14 AM, "javier" <ea5dku@...> wrote:

> **
>
>
> Hi
>
> I have a orion 565 with the interface microKEYER microHAM in rtty fsk
> works perfectly but in psk the system starts but does not draw power
> transmission, something I miss in the configuration of transceiver or
> microKEYER.
> I've tried both DX4WIN, N1MM and WriteLog and something I'm wrong
> Someone who uses it can tell me the settings you have in the Orion I and
> microKEYER
>
> any ideas
> Thank in advance
> 73 de Javier EA5DKU
>
>
>

[Non-text portions of this message have been removed]

8273. Fwd:

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-29 15:57:45 UTC
From: amfone
Topic: 8273 Message: 8273

you should give this a look http://t.co/rz8XqJ8Z

~*Advertisement

8274. Re: [orion565] Fwd:

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-30 11:40:13 UTC
From: k3xr@comcast.net
Topic: 8273 Message: 8274

Where does this junk mail come from?

----- Original Message -----
From: "amfone" <amfone20000@...>
To: mdsflmk2304sdfsdfk@...
Sent: Sunday, April 29, 2012 11:57:45 AM
Subject: [orion565] Fwd:

you should give this a look http://t.co/rz8XqJ8Z

~*Advertisement

[Non-text portions of this message have been removed]

8275. Problems on my Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-30 14:28:13 UTC
From: fverlezza
Topic: 8275 Message: 8275

Gentlemen:

Anybody experimented the following problems:

Turning on the rig result is:

No signals (only white noise)on 40; 20; and 15m.
Max power 2w on same bands
Things are ok on 160, 80 and 10m

Then after 3 or 4 rig reboots every thing return Ok.

I already tryed with different firmawre and also several master reset, problem is still there....

Any suggestion? could be PLL?

Thanks

Filippp

8276. Re: [orion565] Problems on my Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-30 14:48:20 UTC
From: Barry N1EU
Topic: 8275 Message: 8276

When in doubt, replace the battery. Something similar came up a week or
two ago on this reflector.

73,
Barry N1EU

On Mon, Apr 30, 2012 at 2:28 PM, fverlezza <fverlezza@...> wrote:

> **
>
>
> Gentlemen:
>
> Anybody experimented the following problems:
>
> Turning on the rig result is:
>
> No signals (only white noise)on 40; 20; and 15m.
> Max power 2w on same bands
> Things are ok on 160, 80 and 10m
>
> Then after 3 or 4 rig reboots every thing return Ok.
>
> I already tryed with different firmawre and also several master reset,
> problem is still there....
>
> Any suggestion? could be PLL?
>
> Thanks
>
> Filippp
>
>
>

[Non-text portions of this message have been removed]

8277. Re: Problems on my Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-30 14:57:58 UTC
From: fverlezza
Topic: 8275 Message: 8277

Adding one thing: Subreciver is working properlly.

Filippo

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> When in doubt, replace the battery. Something similar came up a week or
> two ago on this reflector.
>
> 73,
> Barry N1EU
>
> On Mon, Apr 30, 2012 at 2:28 PM, fverlezza <fverlezza@...> wrote:
>
> > **
> >
> >
> > Gentlemen:
> >
> > Anybody experimented the following problems:
> >
> > Turning on the rig result is:
> >
> > No signals (only white noise)on 40; 20; and 15m.
> > Max power 2w on same bands
> > Things are ok on 160, 80 and 10m
> >
> > Then after 3 or 4 rig reboots every thing return Ok.
> >
> > I already tryed with different firmawre and also several master reset,
> > problem is still there....
> >
> > Any suggestion? could be PLL?
> >
> > Thanks
> >
> > Filippp
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

8279. Re: Problems on my Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-04-30 20:25:53 UTC
From: fverlezza
Topic: 8275 Message: 8279

Would you exclude failure of condenser on A9 board.....?
I red something on this regard

Filippo

--- In orion565@yahoogroups.com, catfishtwo@... wrote:
>
> sounds like the memory battery , easy fix, and cheap. all kinds of weird
> problems, all fixed by a battery exchange.
>
> tom N6AJR
>
>
> In a message dated 4/30/2012 7:29:34 A.M. Pacific Daylight Time,
> fverlezza@... writes:
>
> Gentlemen:
>
> Anybody experimented the following problems:
>
> Turning on the rig result is:
>
> No signals (only white noise)on 40; 20; and 15m.
> Max power 2w on same bands
> Things are ok on 160, 80 and 10m
>
> Then after 3 or 4 rig reboots every thing return Ok.
>
> I already tryed with different firmawre and also several master reset,
> problem is still there....
>
> Any suggestion? could be PLL?
>
> Thanks
>
> Filippp
>
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> [Non-text portions of this message have been removed]
>

8280. Re: Problems on my Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-01 13:46:06 UTC
From: ve7tk
Topic: 8275 Message: 8280

The capacitors on the A9 board can cause many different problems. I would suggest that while you open the rig to replace the battery that you ALSO replace the capacitors.

73, Rick
VE7TK

--- In orion565@yahoogroups.com, "fverlezza" <fverlezza@...> wrote:
>
>
> Would you exclude failure of condenser on A9 board.....?
> I red something on this regard
>
>
> Filippo
>
>
> --- In orion565@yahoogroups.com, catfishtwo@ wrote:
> >
> > sounds like the memory battery , easy fix, and cheap. all kinds of weird
> > problems, all fixed by a battery exchange.
> >
> > tom N6AJR
> >
> >
> > In a message dated 4/30/2012 7:29:34 A.M. Pacific Daylight Time,
> > fverlezza@ writes:
> >
> > Gentlemen:
> >
> > Anybody experimented the following problems:
> >
> > Turning on the rig result is:
> >
> > No signals (only white noise)on 40; 20; and 15m.
> > Max power 2w on same bands
> > Things are ok on 160, 80 and 10m
> >
> > Then after 3 or 4 rig reboots every thing return Ok.
> >
> > I already tryed with different firmawre and also several master reset,
> > problem is still there....
> >
> > Any suggestion? could be PLL?
> >
> > Thanks

> >
> > Filippp
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> > [Non-text portions of this message have been removed]
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8281. Re: [orion565] Re: Problems on my Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-01 15:53:31 UTC
From: Sam W Jacobs CET
Topic: 8275 Message: 8281

Since I bought my Orion II I've had 5 A9 boards go bad on me. When you replace those capacitors make sure you over-rate them. I believe when they first came out, the 470uF caps were only rated at 16 volts. That was the reason for them breaking down (I believe). Then TenTec increased the voltage rating to 35 volts. Installing high quality 470uF 50 volt caps wouldn't hurt a bit.

I keep an extra A9 board in my shack just in case, ya never know...

73,
Sam
K3SAM

_____
From: ve7tk <ve7tk@...>
To: orion565@yahoogroups.com
Sent: Tuesday, May 1, 2012 9:46 AM
Subject: [orion565] Re: Problems on my Orion 565

The capacitors on the A9 board can cause many different problems. I would suggest that while you open the rig to replace the battery that you ALSO replace the capacitors.

73, Rick
VE7TK

--- In orion565@yahoogroups.com, "fverlezza" <fverlezza@...> wrote:
>
>
> Would you exclude failure of condenser on A9 board.....?
> I red something on this regard
>
>
> Filippo
>
>
> --- In orion565@yahoogroups.com, catfishtwo@ wrote:
> >
> > sounds like the memory battery , easy fix, and cheap. all kinds of weird
> > problems, all fixed by a battery exchange.
> >
> > tom N6AJR
> >
> >
> > In a message dated 4/30/2012 7:29:34 A.M. Pacific Daylight Time,
> > fverlezza@ writes:
> >
> > Gentlemen:

> >
> > Anybody experimented the following problems:
> >
> > Turning on the rig result is:
> >
> > No signals (only white noise)on 40; 20; and 15m.
> > Max power 2w on same bands
> > Things are ok on 160, 80 and 10m
> >
> > Then after 3 or 4 rig reboots every thing return Ok.
> >
> > I already tryed with different firmawre and also several master reset,
> > problem is still there....
> >
> > Any suggestion? could be PLL?
> >
> > Thanks
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> > Filippp
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>

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8282. Re: Problems on my Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-01 16:42:48 UTC
From: fverlezza
Topic: 8275 Message: 8282

First I'll replace battery and if problem is not fixed i'll replace the capacitors or the board itself..... Unfortunatelly in Italy Tem Tec has very poor aftersales service.

Any idea about the right capacitors?

The ones suggested by N6IE are not more available....

Filippo

--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> Since I bought my Orion II I've had 5 A9 boards go bad on me.Â When you replace those capacitors make sure you over-rate them.Â I believe when they first came out, the 470uF caps were only rated at 16 volts.Â That was the reason for them breaking down (I believe).Â Then TenTec increased the voltage rating to 35 volts.Â Installing high quality 470uF 50 volt caps wouldn't hurt a bit.
>
> I keep an extra A9 board in my shack just in case, ya never know...
>
> 73,
> Sam
> K3SAM
>
>
>
> _____
> From: ve7tk <ve7tk@...>
> To: orion565@yahoogroups.com
> Sent: Tuesday, May 1, 2012 9:46 AM
> Subject: [orion565] Re: Problems on my Orion 565
>
>
> Â
> The capacitors on the A9 board can cause many different problems. I would suggest that while you open the rig to replace the battery that you ALSO replace the capacitors.
>
> 73, Rick
> VE7TK
>
> --- In orion565@yahoogroups.com, "fverlezza" <fverlezza@> wrote:
> >
> >
> > Would you exclude failure of condenser on A9 board.....?
> > I red something on this regard
> >
> >

> > Filippo
> >
> >
> > --- In orion565@yahoogroups.com, catfishtwo@ wrote:
> > >
> > > sounds like the memory battery , easy fix, and cheap. all kinds of weird
> > > problems, all fixed by a battery exchange.
> > >
> > > tom N6AJR
> > >
> > >
> > > In a message dated 4/30/2012 7:29:34 A.M. Pacific Daylight Time,
> > > fverlezza@ writes:
> > >
> > > Gentlemen:
> > >
> > > Anybody experimented the following problems:
> > >
> > > Turning on the rig result is:
> > >
> > > No signals (only white noise)on 40; 20; and 15m.
> > > Max power 2w on same bands
> > > Things are ok on 160, 80 and 10m
> > >
> > > Then after 3 or 4 rig reboots every thing return Ok.
> > >
> > > I already tryed with different firmawre and also several master reset,
> > > problem is still there....
> > >
> > > Any suggestion? could be PLL?
> > >
> > > Thanks
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> > > Filippp
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> [Non-text portions of this message have been removed]
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8283. Re: [orion565] Problems on my Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-01 16:57:18 UTC
From: Fernando
Topic: 8275 Message: 8283

I have used these from Mouser

140-RXJ471M1HBK1325P
50V 470uF 105C

Fernando N2FQ/6
n2fq@...

On May 1, 2012, at 9:42 AM, fverlezza wrote:

> First I'll replace battery and if problem is not fixed i'll replace the capacitors or the board itself..... Unfortunatelly in Italy Tem Tec has very poor aftersales service.
>
> Any idea about the right capacitors?
>
> The ones suggested by N6IE are not more available....
>
> Filippo
>
>
> --- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>>
>> Since I bought my Orion II I've had 5 A9 boards go bad on me.Â When you replace those capacitors make sure you over-rate them.Â I believe when they first came out, the 470uF caps were only rated at 16 volts.Â That was the reason for them breaking down (I believe).Â Then TenTec increased the voltage rating to 35 volts.Â Installing high quality 470uF 50 volt caps wouldn't hurt a bit.
>>
>> I keep an extra A9 board in my shack just in case, ya never know...
>>
>> 73,
>> Sam
>> K3SAM
>>
>>
>>
>> _____
>> From: ve7tk <ve7tk@...>
>> To: orion565@yahoogroups.com
>> Sent: Tuesday, May 1, 2012 9:46 AM
>> Subject: [orion565] Re: Problems on my Orion 565
>>
>>
>> Â
>> The capacitors on the A9 board can cause many different problems. I would suggest that while you open the rig to replace the battery that you ALSO replace the capacitors.

>>
>> 73, Rick
>> VE7TK
>>
>> --- In orion565@yahoogroups.com, "fverlezza" <fverlezza@> wrote:
>>>
>>>
>>> Would you exclude failure of condenser on A9 board.....?
>>> I red something on this regard
>>>
>>>
>>> Filippo
>>>
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>>> --- In orion565@yahoogroups.com, catfishtwo@ wrote:
>>>>
>>>> sounds like the memory battery , easy fix, and cheap. all kinds of weird
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>>>> tom N6AJR
>>>>
>>>>
>>>> In a message dated 4/30/2012 7:29:34 A.M. Pacific Daylight Time,
>>>> fverlezza@ writes:
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>>>> Gentlemen:
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>>>> Anybody experimented the following problems:
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>>>> Turning on the rig result is:
>>>>
>>>> No signals (only white noise)on 40; 20; and 15m.
>>>> Max power 2w on same bands
>>>> Things are ok on 160, 80 and 10m
>>>>
>>>> Then after 3 or 4 rig reboots every thing return Ok.
>>>>
>>>> I already tryed with different firmawre and also several master reset,
>>>> problem is still there....
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>>>> Any suggestion? could be PLL?
>>>>
>>>> Thanks
>>>>
>>>> Filippp
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8284. Re: Problems on my Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-01 19:08:28 UTC
From: pa1ap
Topic: 8275 Message: 8284

Besides voltage I have noticed the replacement capacitors are also of high temp grade. If I recall around 105 celcius..

--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> Since I bought my Orion II I've had 5 A9 boards go bad on me.Â When you replace those capacitors make sure you over-rate them.Â I believe when they first came out, the 470uF caps were only rated at 16 volts.Â That was the reason for them breaking down (I believe).Â Then TenTec increased the voltage rating to 35 volts.Â Installing high quality 470uF 50 volt caps wouldn't hurt a bit.
>
> I keep an extra A9 board in my shack just in case, ya never know...
>
> 73,
> Sam
> K3SAM
>
>
>
> _____
> From: ve7tk <ve7tk@...>
> To: orion565@yahoogroups.com
> Sent: Tuesday, May 1, 2012 9:46 AM
> Subject: [orion565] Re: Problems on my Orion 565
>
>
> Â
> The capacitors on the A9 board can cause many different problems. I would suggest that while you open the rig to replace the battery that you ALSO replace the capacitors.
>
> 73, Rick
> VE7TK
>
> --- In orion565@yahoogroups.com, "fverlezza" <fverlezza@> wrote:
> >
> >
> > Would you exclude failure of condenser on A9 board.....?
> > I red something on this regard
> >
> >
> > Filippo
> >
> >
> > --- In orion565@yahoogroups.com, catfishtwo@ wrote:
> > >

> > > sounds like the memory battery , easy fix, and cheap. all kinds of weird
> > > problems, all fixed by a battery exchange.
> > >
> > > tom N6AJR
> > >
> > >
> > > In a message dated 4/30/2012 7:29:34 A.M. Pacific Daylight Time,
> > > fverlezza@ writes:
> > >
> > > Gentlemen:
> > >
> > > Anybody experimented the following problems:
> > >
> > > Turning on the rig result is:
> > >
> > > No signals (only white noise)on 40; 20; and 15m.
> > > Max power 2w on same bands
> > > Things are ok on 160, 80 and 10m
> > >
> > > Then after 3 or 4 rig reboots every thing return Ok.
> > >
> > > I already tryed with different firmawre and also several master reset,
> > > problem is still there....
> > >
> > > Any suggestion? could be PLL?
> > >
> > > Thanks
> > >
> > > Filippp
> > >
> > >
> > >
> > > ------------------------------------
> > >
> > >
> > > Yahoo! Groups Links
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8285. Re: Problems on my Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-02 11:03:32 UTC
From: fverlezza
Topic: 8275 Message: 8285

I found these capacitors RUBYCON:

50ZL470M12.5x20 at 105° C

They are advertised as ultra low residual resistence and High current ripple.
I asked to Ten Tec service some idea...I'm still waiting an answer

Filippo

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Besides voltage I have noticed the replacement capacitors are also of high temp grade. If I recall around 105 celcius..
>
> --- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@> wrote:
> >
> > Since I bought my Orion II I've had 5 A9 boards go bad on me.Â When you replace those capacitors make sure you over-rate them.Â I believe when they first came out, the 470uF caps were only rated at 16 volts.Â That was the reason for them breaking down (I believe).Â Then TenTec increased the voltage rating to 35 volts.Â Installing high quality 470uF 50 volt caps wouldn't hurt a bit.
> >
> > I keep an extra A9 board in my shack just in case, ya never know...
> >
> > 73,
> > Sam
> > K3SAM
> >
> >
> >
> > _____
> > From: ve7tk <ve7tk@>
> > To: orion565@yahoogroups.com
> > Sent: Tuesday, May 1, 2012 9:46 AM
> > Subject: [orion565] Re: Problems on my Orion 565
> >
> >
> > Â
> > The capacitors on the A9 board can cause many different problems. I would suggest that while you open the rig to replace the battery that you ALSO replace the capacitors.
> >
> > 73, Rick
> > VE7TK
> >
> > --- In orion565@yahoogroups.com, "fverlezza" <fverlezza@> wrote:
> > >

> > >
> > > Would you exclude failure of condenser on A9 board.....?
> > > I red something on this regard
> > >
> > >
> > > Filippo
> > >
> > >
> > > --- In orion565@yahoogroups.com, catfishtwo@ wrote:
> > > >
> > > > sounds like the memory battery , easy fix, and cheap. all kinds of weird
> > > > problems, all fixed by a battery exchange.
> > > >
> > > > tom N6AJR
> > > >
> > > >
> > > > In a message dated 4/30/2012 7:29:34 A.M. Pacific Daylight Time,
> > > > fverlezza@ writes:
> > > >
> > > > Gentlemen:
> > > >
> > > > Anybody experimented the following problems:
> > > >
> > > > Turning on the rig result is:
> > > >
> > > > No signals (only white noise)on 40; 20; and 15m.
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> > > > I already tryed with different firmawre and also several master reset,
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> > > >
> > > > [Non-text portions of this message have been removed]
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8286. New owner Losing VFO B audio at times

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-03 14:29:37 UTC
From: Phil Sikes
Topic: 8286 Message: 8286

Hello all, I have only had my Orion II for about a week now and don't know if I am causing this to happen or what. Two times now I have had to do a master reset to get the audio back on VFO B. It doesn't matter what receiver is attached to it and it can even be both on VFO B, but still no audio. I have looked at the Audio menu and see nothing out of line there. And the same for RX menu. I am changing nothing after this latest master reset to see if some of my config changes may be causing this. When it does happen, no matter where I assign VFO B audio I get nothing out. Any help will be appreciated. I do have the new RX 366 installed.

73 - Phil N7UX

8287. Re: New owner Losing VFO B audio at times

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-03 15:38:56 UTC
From: storygene
Topic: 8286 Message: 8287

Hi Phil -

Is it possible that you have inadvertently pushed the SUB AF knob, assuming VFO B is using it at the time, and Muted the audio? Then you would see the LCD bar for the AF level represented by a half-height-high bar versus full-height. The difference you see on the LCD is minimal so it is easy to not notice when in this state. Twice would seem unlikely but thought I would ask anyway.

Gene / K7TXO

--- In orion565@yahoogroups.com, "Phil Sikes" <psikes@...> wrote:
>
> Hello all, I have only had my Orion II for about a week now and don't know if I am causing this to happen or what. Two times now I have had to do a master reset to get the audio back on VFO B. It doesn't matter what receiver is attached to it and it can even be both on VFO B, but still no audio. I have looked at the Audio menu and see nothing out of line there. And the same for RX menu. I am changing nothing after this latest master reset to see if some of my config changes may be causing this. When it does happen, no matter where I assign VFO B audio I get nothing out. Any help will be appreciated. I do have the new RX 366 installed.
>
> 73 - Phil N7UX
>

8288. Re: New owner Losing VFO B audio at times

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-03 16:17:20 UTC
From: Phil Sikes
Topic: 8286 Message: 8288

I have checked that every time this has happened now. I am sure it is knobology or switchology somewhere but I cannot figure out what I am doing wrong. This is a ton of radio to learn but I am feeling pretty good about it except for this one oddity. I am using DXlab software for rig control but i do not think it is the problem.

Thanks for the suggestion - Phil

--- In orion565@yahoogroups.com, "storygene" <k7txo@...> wrote:
>
> Hi Phil -
>
> Is it possible that you have inadvertently pushed the SUB AF knob, assuming VFO B is using it at the time, and Muted the audio? Then you would see the LCD bar for the AF level represented by a half-height-high bar versus full-height. The difference you see on the LCD is minimal so it is easy to not notice when in this state. Twice would seem unlikely but thought I would ask anyway.
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> Gene / K7TXO
>
>
>
> --- In orion565@yahoogroups.com, "Phil Sikes" <psikes@> wrote:
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> > Hello all, I have only had my Orion II for about a week now and don't know if I am causing this to happen or what. Two times now I have had to do a master reset to get the audio back on VFO B. It doesn't matter what receiver is attached to it and it can even be both on VFO B, but still no audio. I have looked at the Audio menu and see nothing out of line there. And the same for RX menu. I am changing nothing after this latest master reset to see if some of my config changes may be causing this. When it does happen, no matter where I assign VFO B audio I get nothing out. Any help will be appreciated. I do have the new RX 366 installed.
> >
> > 73 - Phil N7UX
> >
>

8289. Re: New owner Losing VFO B audio at times

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-03 17:13:43 UTC
From: storygene
Topic: 8286 Message: 8289

Ok, good re checking the state of Sub AF. My bet is you will find it is not the rig, but external forces. Given this particular issue, I would recommend you confirm you have correct flow control setting or if you can live without it for a week or two, don't use external software. Assuming your 566 Orion II is a new one, not a used rig with unknown history, old/low battery, etc, the rig is less suspect in my opinion. Never say never though.

Grounding issues and RF feedback can introduce all kinds of anomolies but if this is the only issue your experiencing, I'd look at the 3rd party software especially version/revision and hardware with a focus on flow control settings.

Otherwise physically disconnect COMM cable for a short time if you can live with that and see what your results are. You could talk to DXLabs and see if similar issue reported in past. You'll get it nailed down. It's a hobby and sometimes the things that give us difficulties are great sources of learning if you don't go nuts in the process, hi hi.

Gene / K7TXO

--- In orion565@yahoogroups.com, "Phil Sikes" <psikes@...> wrote:
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>
> Thanks for the suggestion - Phil
>
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> > Hi Phil -
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> > --- In orion565@yahoogroups.com, "Phil Sikes" <psikes@> wrote:
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> > >
> > > 73 - Phil N7UX
> > >
> >
>

8290. RE: [orion565] Re: New owner Losing VFO B audio at times

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-03 18:02:58 UTC
From: John Hudson
Topic: 8286 Message: 8290

Phil.. mine started doing similar issues a few months ago and drove me crazy. Mine is an O1 and had worked fine for years and then I changed to DXLabs from Logger32 (and done some new firmware updates at the same time) and started to have VFO B issues with no audio and I bet I reset mine 50 times over a few weeks. Look at these options when you loose audio.

When working split make sure VFO B TX button LED is lite - VFO A RX button is lite AND VFO B SUB RX button is lite

BTW do you have VFO B audio after Master Reset? Do you lose the audio after clicking on a split DX spot?

My issue is when I click on a DX spot in DXLab that does not have a QRX freq it does not go into split (even if was previously in split) so VFO B is dead or in my case it listening to the freq/mode it was listening too no matter how much you turn the VFO knob.SUB RX was not selected and or being Unselected.

So now I know to look at the SUB RX when I have no audio

Hope it helps

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of storygene
Sent: Thursday, May 03, 2012 12:14 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: New owner Losing VFO B audio at times

Ok, good re checking the state of Sub AF. My bet is you will find it is not the rig, but external forces. Given this particular issue, I would recommend you confirm you have correct flow control setting or if you can live without it for a week or two, don't use external software. Assuming your 566 Orion II is a new one, not a used rig with unknown history, old/low battery, etc, the rig is less suspect in my opinion. Never say never though.

Grounding issues and RF feedback can introduce all kinds of anomolies but if this is the only issue your experiencing, I'd look at the 3rd party software especially version/revision and hardware with a focus on flow control settings.

Otherwise physically disconnect COMM cable for a short time if you can live with that and see what your results are. You could talk to DXLabs and see if similar issue reported in past. You'll get it nailed down. It's a hobby and sometimes the things that give us difficulties are great sources of learning

if you don't go nuts in the process, hi hi.

Gene / K7TXO

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> Thanks for the suggestion - Phil
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> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "storygene" <k7txo@> wrote:
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> > >
> > > 73 - Phil N7UX
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> >
>

[Non-text portions of this message have been removed]

8291. Re: New owner Losing VFO B audio at times

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-04 14:36:19 UTC
From: Phil Sikes
Topic: 8286 Message: 8291

Thanks for the input John, I think you steered me in the right direction. The problem did seem to occur when going split with no frequency for the split from DXlab Spot collector. I checked all settings in DXlab and may have had a mistake in the DTR/RTS settings that I corrected. Kind of a perfect storm of small errors leading to a major problem. Anyway, so far so good.

73 - Phil

--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
>
> Phil.. mine started doing similar issues a few months ago and drove me
> crazy. Mine is an O1 and had worked fine for years and then I changed to
> DXLabs from Logger32 (and done some new firmware updates at the same time)
> and started to have VFO B issues with no audio and I bet I reset mine 50
> times over a few weeks. Look at these options when you loose audio.
>
> When working split make sure VFO B TX button LED is lite - VFO A RX button
> is lite AND VFO B SUB RX button is lite
>
>
>
> BTW do you have VFO B audio after Master Reset? Do you lose the audio after
> clicking on a split DX spot?
>
>
>
> My issue is when I click on a DX spot in DXLab that does not have a QRX freq
> it does not go into split (even if was previously in split) so VFO B is dead
> or in my case it listening to the freq/mode it was listening too no matter
> how much you turn the VFO knob.SUB RX was not selected and or being
> Unselected.
>
>
>
> So now I know to look at the SUB RX when I have no audio
>
>
>
> Hope it helps
>
>
>
> John
>
> KO4XJ

>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of storygene
> Sent: Thursday, May 03, 2012 12:14 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: New owner Losing VFO B audio at times
>
>
>
>
>
> Ok, good re checking the state of Sub AF. My bet is you will find it is not
> the rig, but external forces. Given this particular issue, I would recommend
> you confirm you have correct flow control setting or if you can live without
> it for a week or two, don't use external software. Assuming your 566 Orion
> II is a new one, not a used rig with unknown history, old/low battery, etc,
> the rig is less suspect in my opinion. Never say never though.
>
> Grounding issues and RF feedback can introduce all kinds of anomolies but if
> this is the only issue your experiencing, I'd look at the 3rd party software
> especially version/revision and hardware with a focus on flow control
> settings.
>
> Otherwise physically disconnect COMM cable for a short time if you can live
> with that and see what your results are. You could talk to DXLabs and see if
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> Gene / K7TXO
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> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "Phil
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> > I have checked that every time this has happened now. I am sure it is
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> > Thanks for the suggestion - Phil
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> > > Hi Phil -
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> > > > 73 - Phil N7UX
> > > >
> > >
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>
> [Non-text portions of this message have been removed]
>

8292. RE: [orion565] Re: New owner Losing VFO B audio at times

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-04 14:41:14 UTC
From: John Hudson
Topic: 8286 Message: 8292

Also Phil check your settings in the COMMANDER config under the GENERAL tab. In the middle of that screen see if you have ACCEPT DUAL RECEIVE DIRECTIVES checked? Mine is checked. I think I had a problem with that also.

73

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Phil Sikes
Sent: Friday, May 04, 2012 9:36 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: New owner Losing VFO B audio at times

Thanks for the input John, I think you steered me in the right direction. The problem did seem to occur when going split with no frequency for the split from DXlab Spot collector. I checked all settings in DXlab and may have had a mistake in the DTR/RTS settings that I corrected. Kind of a perfect storm of small errors leading to a major problem. Anyway, so far so good.

73 - Phil

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> When working split make sure VFO B TX button LED is lite - VFO A RX button
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> BTW do you have VFO B audio after Master Reset? Do you lose the audio
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[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
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> Of storygene
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8293. Re: New owner Losing VFO B audio at times

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-05 01:43:30 UTC
From: Phil Sikes
Topic: 8286 Message: 8293

Had that one already John, thanks for the input though. So far, two days now and no repeat of the problem. Now if the frequency police and lids would only give me an opportunity to work the 706T I would be a very happy O II owner!

73 - Phil

--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
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> Also Phil check your settings in the COMMANDER config under the GENERAL tab.
> In the middle of that screen see if you have ACCEPT DUAL RECEIVE DIRECTIVES
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> John
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> KO4XJ
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> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Phil Sikes
> Sent: Friday, May 04, 2012 9:36 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: New owner Losing VFO B audio at times
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> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > Subject: [orion565] Re: New owner Losing VFO B audio at times
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8294. RE: [orion565] Re: New owner Losing VFO B audio at times

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-05 03:25:14 UTC
From: John Hudson
Topic: 8286 Message: 8294

Good deal, hope it keeps on keeping on.. and yes the LIDS and POLICE are plentiful again..Wonder if you can get a WAS Freq Cop Award???

73

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Phil Sikes
Sent: Friday, May 04, 2012 8:44 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: New owner Losing VFO B audio at times

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8295. Re: New owner Losing VFO B audio at times

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-05 07:22:38 UTC
From: pa1ap
Topic: 8286 Message: 8295

Hope the problem has been solved. I worked on similar challenge a while back and we found the remote control program to detach the vfo from the sub receiver. The result was that the sub receiver appeared to be dead. As mentioned by others please check the vfo assignment (vfo matrix buttons) when the sub receiver seems to be dead.

Dont ask me why ten tec allows the sub rx to be detached from vfo. It is allowed per design but I cannot figure out the motivation why this is a value :-)

Second area of concern;
Remote control has been tested extensively both on load and command sequences. Although it is possible to send commands without hardware handshaking it is not recommended to do so. Hardware handshaking must be enabled and is used by orion to pause the remote control program when orion is busy with other stuff... with hardware handshake enabled I have not been able to cause issues within orion firmware.

Best regards, onno pa1ap

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8296. Re: New owner Losing VFO B audio at times

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-07 01:35:08 UTC
From: Phil Sikes
Topic: 8286 Message: 8296

I am assuming the problem has been fixed now. 4 days now and no more problems. Man do I love this radio!! What a phenomenal receiver. This must be what it feels like to be superman only on steroids. I am one very happy Orion II owner. LP-Pan is next as soon as I get the sound card mod'ed for it, hopefully in the next day or so.

73 - Phil N7UX

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Hope the problem has been solved. I worked on similar challenge a while back and we found the remote control program to detach the vfo from the sub receiver. The result was that the sub receiver appeared to be dead. As mentioned by others please check the vfo assignment (vfo matrix buttons) when the sub receiver seems to be dead.
>
> Dont ask me why ten tec allows the sub rx to be detached from vfo. It is allowed per design but I cannot figure out the motivation why this is a value :-)
>
> Second area of concern;
> Remote control has been tested extensively both on load and command sequences. Although it is possible to send commands without hardware handshaking it is not recommended to do so. Hardware handshaking must be enabled and is used by orion to pause the remote control program when orion is busy with other stuff... with hardware handshake enabled I have not been able to cause issues within orion firmware.
>
> Best regards, onno pa1ap
>
>
>
>
> --- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@> wrote:
> >
> > Good deal, hope it keeps on keeping on.. and yes the LIDS and POLICE are
> > plentiful again..Wonder if you can get a WAS Freq Cop Award???
> >
> >
> >
> > 73
> >
> > John
> >
> > KO4XJ
> >
> >
> >
> >

> >
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > Of Phil Sikes
> > Sent: Friday, May 04, 2012 8:44 PM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] Re: New owner Losing VFO B audio at times
> >
> >
> >
> >
> >
> > Had that one already John, thanks for the input though. So far, two days now
> > and no repeat of the problem. Now if the frequency police and lids would
> > only give me an opportunity to work the 7O6T I would be a very happy O II
> > owner!
> >
> > 73 - Phil
> >
> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "John
> > Hudson" <jd_hudson@> wrote:
> > >
> > > Also Phil check your settings in the COMMANDER config under the GENERAL
> > tab.
> > > In the middle of that screen see if you have ACCEPT DUAL RECEIVE
> > DIRECTIVES
> > > checked? Mine is checked. I think I had a problem with that also.
> > >
> > >
> > >
> > > 73
> > >
> > > John
> > >
> > > KO4XJ
> > >
> > >
> > >
> > >
> > >
> > > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> > > Behalf
> > > > Of Phil Sikes
> > > > Sent: Friday, May 04, 2012 9:36 AM
> > > > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > > > Subject: [orion565] Re: New owner Losing VFO B audio at times
> > > >
> > > >
> > > >
> > > >

> > >
> > > Thanks for the input John, I think you steered me in the right direction.
> > > The problem did seem to occur when going split with no frequency for the
> > > split from DXlab Spot collector. I checked all settings in DXlab and may
> > > have had a mistake in the DTR/RTS settings that I corrected. Kind of a
> > > perfect storm of small errors leading to a major problem. Anyway, so far
> > so
> > > good.
> > >
> > > 73 - Phil
> > >
> > > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com> , "John
> > > Hudson" <jd_hudson@> wrote:
> > > >
> > > > Phil.. mine started doing similar issues a few months ago and drove me
> > > > crazy. Mine is an O1 and had worked fine for years and then I changed to
> > > > DXLabs from Logger32 (and done some new firmware updates at the same
> > time)
> > > > and started to have VFO B issues with no audio and I bet I reset mine 50
> > > > times over a few weeks. Look at these options when you loose audio.
> > > >
> > > > When working split make sure VFO B TX button LED is lite - VFO A RX
> > button
> > > > is lite AND VFO B SUB RX button is lite
> > > >
> > > >
> > > >
> > > > BTW do you have VFO B audio after Master Reset? Do you lose the audio
> > > after
> > > > clicking on a split DX spot?
> > > >
> > > >
> > > >
> > > > My issue is when I click on a DX spot in DXLab that does not have a QRX
> > > freq
> > > > it does not go into split (even if was previously in split) so VFO B is
> > > dead
> > > > or in my case it listening to the freq/mode it was listening too no
> > matter
> > > > how much you turn the VFO knob.SUB RX was not selected and or being
> > > > Unselected.
> > > >
> > > >
> > > >
> > > > So now I know to look at the SUB RX when I have no audio
> > > >
> > > >
> > > >
> > > > Hope it helps

> > > >
> > > >
> > > >
> > > > John
> > > >
> > > > KO4XJ
> > > >
> > > >
> > > >
> > > > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>] On
> > > Behalf
> > > > Of storygene
> > > > Sent: Thursday, May 03, 2012 12:14 PM
> > > > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > > > Subject: [orion565] Re: New owner Losing VFO B audio at times
> > > >
> > > >
> > > >
> > > >
> > > >
> > > > Ok, good re checking the state of Sub AF. My bet is you will find it is
> > > not
> > > > the rig, but external forces. Given this particular issue, I would
> > > recommend
> > > > you confirm you have correct flow control setting or if you can live
> > > without
> > > > it for a week or two, don't use external software. Assuming your 566
> > Orion
> > > > II is a new one, not a used rig with unknown history, old/low battery,
> > > etc,
> > > > the rig is less suspect in my opinion. Never say never though.
> > > >
> > > > Grounding issues and RF feedback can introduce all kinds of anomolies
> > but
> > > if
> > > > this is the only issue your experiencing, I'd look at the 3rd party
> > > software
> > > > especially version/revision and hardware with a focus on flow control
> > > > settings.
> > > >
> > > > Otherwise physically disconnect COMM cable for a short time if you can
> > > live
> > > > with that and see what your results are. You could talk to DXLabs and
> > see
> > > if
> > > > similar issue reported in past. You'll get it nailed down. It's a hobby

> > > and
> > > > sometimes the things that give us difficulties are great sources of
> > > learning
> > > > if you don't go nuts in the process, hi hi.
> > > >
> > > > Gene / K7TXO
> > > >
> > > > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > > <mailto:orion565%40yahoogroups.com> , "Phil
> > > > Sikes" <psikes@> wrote:
> > > > >
> > > > > I have checked that every time this has happened now. I am sure it is
> > > > knobology or switchology somewhere but I cannot figure out what I am
> > doing
> > > > wrong. This is a ton of radio to learn but I am feeling pretty good
> > about
> > > > it
> > > > > except for this one oddity. I am using DXlab software for rig control
> > but
> > > > i
> > > > > do not think it is the problem.
> > > > >
> > > > > Thanks for the suggestion - Phil
> > > > >
> > > > > > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > > <mailto:orion565%40yahoogroups.com> ,
> > > > "storygene" <k7txo@> wrote:
> > > > > >
> > > > > > Hi Phil -
> > > > > >
> > > > > > Is it possible that you have inadvertently pushed the SUB AF knob,
> > > > assuming VFO B is using it at the time, and Muted the audio? Then you
> > > would
> > > > see the LCD bar for the AF level represented by a half-height-high bar
> > > > versus full-height. The difference you see on the LCD is minimal so it
> > is
> > > > easy to not notice when in this state. Twice would seem unlikely but
> > > thought
> > > > I would ask anyway.
> > > > > >
> > > > > > Gene / K7TXO
> > > > > >
> > > > > >
> > > > > >
> > > > > >
> > > > > > > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > > <mailto:orion565%40yahoogroups.com> ,
> > > > "Phil Sikes" <psikes@> wrote:

> > > > > > >
> > > > > > > > Hello all, I have only had my Orion II for about a week now and
> > > don't
> > > > know if I am causing this to happen or what. Two times now I have had to
> > > do
> > > > a master reset to get the audio back on VFO B. It doesn't matter what
> > > > receiver is attached to it and it can even be both on VFO B, but still
> > no
> > > > audio. I have looked at the Audio menu and see nothing out of line
> > there.
> > > > And the same for RX menu. I am changing nothing after this latest master
> > > > reset to see if some of my config changes may be causing this. When it
> > > does
> > > > happen, no matter where I assign VFO B audio I get nothing out. Any help
> > > > will be appreciated. I do have the new RX 366 installed.
> > > > > > > >
> > > > > > > > 73 - Phil N7UX
> > > > > > > > >
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8297. RX-366 with LP-Pan?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-07 20:55:54 UTC
From: ve7tk
Topic: 8297 Message: 8297

I was wondering if someone in the group has an LP-Pan attached to their RX-366 yet?

If anyone has one would they mind posting a screen shot at full 192 kHz bandwidth on a busy band (20 meters would be perfect).

I have read some issues concerning a birdie at the low end of 20 and a "bump" but I'm not sure if either of these will be a "deal breaker" for me.

Many thanks.

73, Rick
VE7TK
(email via ARRL works if you wish to contact me directly)

8298. Re: [orion565] RX-366 with LP-Pan?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-07 22:11:15 UTC
From: Rod Greene
Topic: 8297 Message: 8298

I would like to see that too.

Thanks and 73, Rod/w7zrc

From: ve7tk <ve7tk@...>
To: orion565@yahoogroups.com
Sent: Monday, May 7, 2012 2:55 PM
Subject: [orion565] RX-366 with LP-Pan?

I was wondering if someone in the group has an LP-Pan attached to their RX-366 yet?

If anyone has one would they mind posting a screen shot at full 192 kHz bandwidth on a busy band (20 meters would be perfect).

I have read some issues concerning a birdie at the low end of 20 and a "bump" but I'm not sure if either of these will be a "deal breaker" for me.

Many thanks.

73, Rick
VE7TK
(email via ARRL works if you wish to contact me directly)

[Non-text portions of this message have been removed]

8299. Re: RX-366 with LP-Pan?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-08 14:10:59 UTC
From: Phil Sikes
Topic: 8297 Message: 8299

I do have the new Sub RX and am in the process of getting LP-Pan running today. The sound card I have is only a 96K so I will not get the full 192K band spread. I will let you know how things transpire as I get further along. So far just lashing things together for a quick look it is pretty good. Running NaP3 software with a Creative X-Fi USB sound card.

73 - Phil N7UX

That which can be asserted without evidence can be dismissed without evidence.

Christopher Hitchens

[Non-text portions of this message have been removed]

8300. Ten Tec Orion 565 for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-08 19:32:05 UTC
From: Paul
Topic: 8300 Message: 8300

Hi, I just listed my Ten Tec Orion on Ebay for $1,000. Serial number is 06C10033 with optional filters 1.8 KHz and 600 Hz by International Radio and upgrade to latest hardware and firmware 3.032. Excellent condition. Please see photos and other information on Ebay
73, Paul K8PO

8301. Re: [orion565] Ten Tec Orion 565 for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-08 23:00:43 UTC
From: Richard
Topic: 8300 Message: 8301

Paul maybe your price is too low.

C. Richard Pumphrey

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On May 8, 2012, at 3:32 PM, "Paul" <k8po@...> wrote:

> Hi, I just listed my Ten Tec Orion on Ebay for $1,000. Serial number is 06C10033 with optional filters 1.8 KHz and 600 Hz by International Radio and upgrade to latest hardware and firmware 3.032. Excellent condition. Please see photos and other information on Ebay
> 73, Paul K8PO
>
>
>
>
> TODAY(Beta) • Powered by Yahoo!
> Pet food infecting people with salmonella
> Privacy Policy
>
>

[Non-text portions of this message have been removed]

8302. RE: [orion565] Ten Tec Orion 565 for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-08 23:19:19 UTC
From: Duane Calvin
Topic: 8300 Message: 8302

It's the opening price for bidding, I bet.

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Richard
Sent: Tuesday, May 08, 2012 6:01 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Ten Tec Orion 565 for sale

Paul maybe your price is too low.

C. Richard Pumphrey

NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

On May 8, 2012, at 3:32 PM, "Paul" <k8po@...> wrote:

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> 73, Paul K8PO
>
>
>
>
> TODAY(Beta) . Powered by Yahoo!
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>
>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

8303. Re: RX-366 with LP-Pan?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-09 05:40:41 UTC
From: Phil Sikes
Topic: 8297 Message: 8303

Up and running now and it looks pretty good so far. I am using the NaP3 software along with DXLab logging and rig control software. The sound card is a Creative X-Fi Surround 5.1 (relatively cheap and seems to work well). I will try and get some screen shots in the next few days. I am happy with it as of now.

73 - Phil N7UX

--- In orion565@yahoogroups.com, "Phil Sikes" <psikes@...> wrote:
>
> I do have the new Sub RX and am in the process of getting LP-Pan running
> today. The sound card I have is only a 96K so I will not get the full 192K
> band spread. I will let you know how things transpire as I get further
> along. So far just lashing things together for a quick look it is pretty
> good. Running NaP3 software with a Creative X-Fi USB sound card.
>
> 73 - Phil N7UX
>
> That which can be asserted without evidence can be dismissed without
> evidence.
>
> Christopher Hitchens
>
>
>
> [Non-text portions of this message have been removed]
>

8304. Re: [orion565] Ten Tec Orion 565 for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-09 11:29:19 UTC
From: Barry N1EU
Topic: 8300 Message: 8304

Yes, opening price:
http://www.ebay.com/itm/ws/eBayISAPI.dll?ViewItem&item=130693119983

On Tue, May 8, 2012 at 11:19 PM, Duane Calvin <ac5aa1@gmail.com> wrote:

> **
>
>
> It's the opening price for bidding, I bet.
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Richard
> Sent: Tuesday, May 08, 2012 6:01 PM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Ten Tec Orion 565 for sale
>
> Paul maybe your price is too low.
>
> C. Richard Pumphrey
>
> NOTICE: It is okay to print this email. Paper is a plentiful,
> biodegradable,
> renewable, recyclable, sustainable product made from trees that provide
> jobs
> and income for millions of Americans. Thanks to improved forest management,
> we have more trees in America today than we had 100 years ago.
>
> On May 8, 2012, at 3:32 PM, "Paul" <k8po@...> wrote:
>
> > Hi, I just listed my Ten Tec Orion on Ebay for $1,000. Serial number is
> 06C10033 with optional filters 1.8 KHz and 600 Hz by International Radio
> and
> upgrade to latest hardware and firmware 3.032. Excellent condition. Please
> see photos and other information on Ebay
> > 73, Paul K8PO
> >
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> >
> > TODAY(Beta) . Powered by Yahoo!

> > Pet food infecting people with salmonella
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> Yahoo! Groups Links
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8305. Re: [orion565] Ten Tec Orion 565 for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-09 12:05:32 UTC
From: Charlie
Topic: 8300 Message: 8305

One with auto tuner just sold on Sunday for $1805. Good luck!

Charlie

On May 9, 2012, at 6:29 AM, Barry N1EU <barry.n1eu@...> wrote:

> Yes, opening price:
> http://www.ebay.com/itm/ws/eBayISAPI.dll?ViewItem&item=130693119983
>
> On Tue, May 8, 2012 at 11:19 PM, Duane Calvin <ac5aa1@gmail.com> wrote:
>
> > **
> > >
> > >
> > > It's the opening price for bidding, I bet.
> > >
> > > Duane Calvin, AC5AA
> > > Austin, Texas
> > > www.ac5aa.com
> > >
> > > -----Original Message-----
> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > > Of Richard
> > > Sent: Tuesday, May 08, 2012 6:01 PM
> > > To: orion565@yahoogroups.com
> > > Subject: Re: [orion565] Ten Tec Orion 565 for sale
> > >
> > > Paul maybe your price is too low.
> > >
> > > C. Richard Pumphrey
> > >
> > > NOTICE: It is okay to print this email. Paper is a plentiful,
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> > >
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> > >
> > > > Hi, I just listed my Ten Tec Orion on Ebay for $1,000. Serial number is
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> > > and
> > > upgrade to latest hardware and firmware 3.032. Excellent condition. Please
> > > see photos and other information on Ebay
> > > > 73, Paul K8PO

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> > Yahoo! Groups Links
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8306. Re: RX-366 with LP-Pan?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-09 16:41:43 UTC
From: Phil Sikes
Topic: 8297 Message: 8306

There is a screen shot of my LP-Pan installation in my N7UX Orion/LP-Pan folder if you would like to see it in action. Unfortunately there isn't much action this morning with the A index climbing like it is. You can see the bumps at about 14.237 and another at 14.258.5, they are not too hard to overlook as they show as a steady bump with no intelligent information (cw or voice) and do not move around. A much better Panoramic display for me.

73 - Phil

--- In orion565@yahoogroups.com, "Phil Sikes" <psikes@...> wrote:
>
> Up and running now and it looks pretty good so far. I am using the NaP3 software along with DXLab logging and rig control software. The sound card is a Creative X-Fi Surround 5.1 (relatively cheap and seems to work well). I will try and get some screen shots in the next few days. I am happy with it as of now.
>
> 73 - Phil N7UX
>
> --- In orion565@yahoogroups.com, "Phil Sikes" <psikes@> wrote:
> >
> > I do have the new Sub RX and am in the process of getting LP-Pan running
> > today. The sound card I have is only a 96K so I will not get the full 192K
> > band spread. I will let you know how things transpire as I get further
> > along. So far just lashing things together for a quick look it is pretty
> > good. Running NaP3 software with a Creative X-Fi USB sound card.
> >
> > 73 - Phil N7UX
> >
> > That which can be asserted without evidence can be dismissed without
> > evidence.
> >
> > Christopher Hitchens
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

8307. Re: Problems on my Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-09 19:23:51 UTC
From: fverlezza
Topic: 8275 Message: 8307

After battery changing and several RAM Reset + Master Reset (maybe 10, or more) I still had the problem.
Then I had the Idea to repeat firmware installation from V1 to V2 to V3 and other several resets.
Now thing are ok since a couple of days.

To solve the problem, in the previous days, I had reinstalled the firmware several times, without results, but this was done with battery already exhausted (this is not helping ..).

I also changed capacitor....

Every thing now is fine

Thanks to everbody

Filippo

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Besides voltage I have noticed the replacement capacitors are also of high temp grade. If I recall around 105 celcius..
>
> --- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@> wrote:
> >
> > Since I bought my Orion II I've had 5 A9 boards go bad on me.Â When you replace those capacitors make sure you over-rate them.Â I believe when they first came out, the 470uF caps were only rated at 16 volts.Â That was the reason for them breaking down (I believe).Â Then TenTec increased the voltage rating to 35 volts.Â Installing high quality 470uF 50 volt caps wouldn't hurt a bit.
> >
> > I keep an extra A9 board in my shack just in case, ya never know...
> >
> > 73,
> > Sam
> > K3SAM
> >
> >
> >
> > _____
> > From: ve7tk <ve7tk@>
> > To: orion565@yahoogroups.com
> > Sent: Tuesday, May 1, 2012 9:46 AM
> > Subject: [orion565] Re: Problems on my Orion 565
> >
> >
> > Â

> > The capacitors on the A9 board can cause many different problems. I would suggest that while you open the rig to replace the battery that you ALSO replace the capacitors.
> >
> > 73, Rick
> > VE7TK
> >
> > --- In orion565@yahoogroups.com, "fverlezza" <fverlezza@> wrote:
> > >
> > >
> > > Would you exclude failure of condenser on A9 board.....?
> > > I red something on this regard
> > >
> > >
> > > Filippo
> > >
> > >
> > > --- In orion565@yahoogroups.com, catfishtwo@ wrote:
> > > >
> > > > sounds like the memory battery , easy fix, and cheap. all kinds of weird
> > > > problems, all fixed by a battery exchange.
> > > >
> > > > tom N6AJR
> > > >
> > > >
> > > > In a message dated 4/30/2012 7:29:34 A.M. Pacific Daylight Time,
> > > > fverlezza@ writes:
> > > >
> > > > Gentlemen:
> > > >
> > > > Anybody experimented the following problems:
> > > >
> > > > Turning on the rig result is:
> > > >
> > > > No signals (only white noise)on 40; 20; and 15m.
> > > > Max power 2w on same bands
> > > > Things are ok on 160, 80 and 10m
> > > >
> > > > Then after 3 or 4 rig reboots every thing return Ok.
> > > >
> > > > I already tryed with different firmawre and also several master reset,
> > > > problem is still there....
> > > >
> > > > Any suggestion? could be PLL?
> > > >
> > > > Thanks
> > > >
> > > > Filippp
> > > >
> > > >
> > > >

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> > > > Yahoo! Groups Links
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> > > > [Non-text portions of this message have been removed]
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> > [Non-text portions of this message have been removed]
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8308. Happy I bought an Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-12 04:20:35 UTC
From: k7fd
Topic: 8308 Message: 8308

I had heard Kenwood would be rolling out a new 'flagship' rig; by now you've probably seen pictures of the TS-990S on the Internet and the back page of QST. If not, a quick GOOGLE search will get you there.

Going on appearances only, I'm WAY glad I went ahead and purchased the Orion II. I do not like the front panel layout on the new TS-990S. It looks too tall and the additional LCD display above the main tuning knob is strange looking, with the freq readout a bit elongated. To me, it all is bit odd shaped. Of course, performance-wise it might be the cat's meow...guess we'll have to wait and see on that.

A price of $6000 is being bantered about; again, the Orion II doesn't put that big of a dent in the wallet. Six grand compares with Icom and Yaesu, the 'other two' I'm sure Kenwood feels is the competition.

Beauty is in the eye of the beholder but for this op, I'll take the Orion II over any offerings fromt the big 3, including the new TS-990S.

Any one planning to trade their Orion II in on a new Kenwood? Maybe someone on the group will get their hands on the TS-990S at Dayton and give us a first person impression...

73 John K7FD, Happy Camper

8309. Re: [orion565] Happy I bought an Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-12 09:48:21 UTC
From: Jerry Rogers
Topic: 8308 Message: 8309

I guess it will be in the Fall (October) time frame before the TS-990 is available.

As for me, I just purchased an Orion II that was mint. It looks great next to the Omni VII, and Eagle, and works FB.

The Orion II is my pick. It may seem I'm a cool aid drinker, but that's not the case. I've owned a lot of big rigs, and it was just time to go American. The JA's always lacked something in the audio quality to me. As for the Omni VII, and Eagle they are great radio also. But I've always wanted to spin the dial on an Orion.

PS: I counted the buttons, knobs, etc. on the TS-990 and it looks to be about 150 total. You talk about being BUSY.

Jerry
ki4ps

On May 12, 2012, at 12:20 AM, k7fd wrote:

> I had heard Kenwood would be rolling out a new 'flagship' rig; by now you've probably seen pictures of the TS-990S on the Internet and the back page of QST. If not, a quick GOOGLE search will get you there.
>
> Going on appearances only, I'm WAY glad I went ahead and purchased the Orion II. I do not like the front panel layout on the new TS-990S. It looks too tall and the additional LCD display above the main tuning knob is strange looking, with the freq readout a bit elongated. To me, it all is bit odd shaped. Of course, performance-wise it might be the cat's meow...guess we'll have to wait and see on that.
>
> A price of $6000 is being bantered about; again, the Orion II doesn't put that big of a dent in the wallet. Six grand compares with Icom and Yaesu, the 'other two' I'm sure Kenwood feels is the competition.
>
> Beauty is in the eye of the beholder but for this op, I'll take the Orion II over any offerings fromt the big 3, including the new TS-990S.
>
> Any one planning to trade their Orion II in on a new Kenwood? Maybe someone on the group will get their hands on the TS-990S at Dayton and give us a first person impression...
>
> 73 John K7FD, Happy Camper
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[Non-text portions of this message have been removed]

8310. Re: Happy I bought an Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-12 11:34:53 UTC
From: floydsense
Topic: 8308 Message: 8310

--- In orion565@yahoogroups.com, "k7fd" <wolfmanjack@...> wrote:
>
> I had heard Kenwood would be rolling out a new 'flagship' rig; by now you've probably seen pictures of the TS-990S on the Internet and the back page of QST. If not, a quick GOOGLE search will get you there.
>
<<snip>>

Well, not exactly. For those who haven't witnessed the "roll out" of other new Kenwood transceivers at Dayton, here's what you see: The new rig will be totally enclosed in a thick plastic display case. Most of the LEDs will be lit as will the display. That's it. You won't be twisting any knobs and none of the booth attendants will be able to answer any questions, but will give you a glossy marketing brochure. You'll be given a tentative availability date that will be missed.

When the smoke clears many months later, early owners will be griping about having to send their new $5,000 75 pound monster to California (paying shipping both ways) to get the latest updates (critical fixes). In the end, it will be just another high-end transceiver with a band scope superior to that in the Orion 2, and nothing more.

73, Floyd - K8AC

8311. Re: [orion565] Happy I bought an Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-12 16:29:12 UTC
From: Fernando
Topic: 8308 Message: 8311

I went ahead and counted 108 things that can be pushed on that front panel, excluding things that turn.

You could possibly miss that QSO after tweaking things. LOL

Fernando N2FQ/6
n2fq@...

On May 11, 2012, at 9:20 PM, k7fd wrote:

> I had heard Kenwood would be rolling out a new 'flagship' rig; by now you've probably seen pictures of the TS-990S on the Internet and the back page of QST. If not, a quick GOOGLE search will get you there.
>
> Going on appearances only, I'm WAY glad I went ahead and purchased the Orion II. I do not like the front panel layout on the new TS-990S. It looks too tall and the additional LCD display above the main tuning knob is strange looking, with the freq readout a bit elongated. To me, it all is bit odd shaped. Of course, performance-wise it might be the cat's meow...guess we'll have to wait and see on that.
>
> A price of $6000 is being bantered about; again, the Orion II doesn't put that big of a dent in the wallet. Six grand compares with Icom and Yaesu, the 'other two' I'm sure Kenwood feels is the competition.
>
> Beauty is in the eye of the beholder but for this op, I'll take the Orion II over any offerings fromt the big 3, including the new TS-990S.
>
> Any one planning to trade their Orion II in on a new Kenwood? Maybe someone on the group will get their hands on the TS-990S at Dayton and give us a first person impression...
>
> 73 John K7FD, Happy Camper
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

8312. Re: [orion565] Happy I bought an Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-12 18:23:35 UTC
From: TroyW6HV
Topic: 8308 Message: 8312

Fernando,
I don't use half the buttons on my Orion II, that rig would do me no good.
See you tomorrow on the CW net.
Troy, W6HV

-----Original Message-----
From: Fernando
Sent: Saturday, May 12, 2012 9:29 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Happy I bought an Orion II

I went ahead and counted 108 things that can be pushed on that front panel,
excluding things that turn.

You could possibly miss that QSO after tweaking things. LOL

Fernando N2FQ/6
n2fq@...

On May 11, 2012, at 9:20 PM, k7fd wrote:

> I had heard Kenwood would be rolling out a new 'flagship' rig; by now
> you've probably seen pictures of the TS-990S on the Internet and the back
> page of QST. If not, a quick GOOGLE search will get you there.
>
> Going on appearances only, I'm WAY glad I went ahead and purchased the
> Orion II. I do not like the front panel layout on the new TS-990S. It
> looks too tall and the additional LCD display above the main tuning knob
> is strange looking, with the freq readout a bit elongated. To me, it all
> is bit odd shaped. Of course, performance-wise it might be the cat's
> meow...guess we'll have to wait and see on that.
>
> A price of $6000 is being bantered about; again, the Orion II doesn't put
> that big of a dent in the wallet. Six grand compares with Icom and Yaesu,
> the 'other two' I'm sure Kenwood feels is the competition.
>
> Beauty is in the eye of the beholder but for this op, I'll take the Orion
> II over any offerings fromt the big 3, including the new TS-990S.
>
> Any one planning to trade their Orion II in on a new Kenwood? Maybe
> someone on the group will get their hands on the TS-990S at Dayton and
> give us a first person impression...
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> 73 John K7FD, Happy Camper
>
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> Yahoo! Groups Links
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Yahoo! Groups Links

8313. OT: Orion windows programs and AGC visualization docs

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-13 07:35:06 UTC
From: pa1ap
Topic: 8313 Message: 8313

Hi,

I have created a public folder and posted the most recent programs and documents I created for Orion. At present time it contains the agc macro discussion, orion backup software, serial port tester.

https://www.box.com/pa1ap

The public folder removes the dependency from yahoo group for non yahoo members.

Best regards, Onno

8314. Re: [orion565] OT: Orion windows programs and AGC visualization docs

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-13 17:54:17 UTC
From: Jerry Rogers
Topic: 8313 Message: 8314

I must be missing something between the RF gain, and the AGC threshold settings. On my Orion II my settings for the Slow AGC is a threshold of 14.73 uV. That gives me about an S7 reading for 75 meters which is low enough.

I guess my questions is with the different AGC threshold settings, the RF gain would have to be at least 70%. Anything less and you defeat the purpose of the threshold adjustments.

Again, the relationship seems to be the same. One or the other accomplish the same effect.

Jerry, ki4ps

On May 13, 2012, at 3:35 AM, pa1ap wrote:

> Hi,
>
> I have created a public folder and posted the most recent programs and documents I created for Orion. At present time it contains the agc macro discussion, orion backup software, serial port tester.
>
> https://www.box.com/pa1ap
>
> The public folder removes the dependency from yahoo group for non yahoo members.
>
> Best regards, Onno
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[Non-text portions of this message have been removed]

8315. Re: OT: Orion windows programs and AGC visualization docs

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-13 19:13:33 UTC
From: pa1ap
Topic: 8313 Message: 8315

Hi Jerry,

Dont want to confuse the discussion as it is really simple.. allow me to reflect a couple of statements.

There is only one agc activation point. Either threshold or rf gain will move activation point up or down. They are controlling the same but are confusingly called different.

Increase threshold to move agc activation point up.

Decrease rf gain to move agc activation point up.

Which ever control moved agc activation point highest will own agc activation point.

In case threshold value represent s3 and rf gain represents s7... rf gain will own the agc activation point. Other way around same applies of course. Rf gain value represents s4 and threshold represents s6... threshold will own the agc activation point.

If you forget to reset threshold within the rx menu and you dont observe the s meter reading while turning up rf gain to 100... your radio will be less sensitive than expected... I stumbled into this a couple of times when rotating through the agc modes... agc slow had a different threshold than agc med and it got me by suprise when moving from 40m band to 10m band... just something to be aware about.

Hope I did not complicate the discussion ;-). best regards, onno

--- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@...> wrote:
>
> I must be missing something between the RF gain, and the AGC threshold settings. On my Orion II my settings for the Slow AGC is a threshold of 14.73 uV. That gives me about an S7 reading for 75 meters which is low enough.
>
> I guess my questions is with the different AGC threshold settings, the RF gain would have to be at least 70%. Anything less and you defeat the purpose of the threshold adjustments.
>
> Again, the relationship seems to be the same. One or the other accomplish the same effect.
>
> Jerry, ki4ps
>
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>
> On May 13, 2012, at 3:35 AM, pa1ap wrote:
>
> > Hi,

> >
> > I have created a public folder and posted the most recent programs and documents I created for Orion. At present time it contains the agc macro discussion, orion backup software, serial port tester.
> >
> > https://www.box.com/pa1ap
> >
> > The public folder removes the dependency from yahoo group for non yahoo members.
> >
> > Best regards, Onno
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> [Non-text portions of this message have been removed]
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8316. Re: [orion565] Re: OT: Orion windows programs and AGC visualization docs

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-13 20:19:29 UTC
From: Jerry Rogers
Topic: 8313 Message: 8316

Onno: Thanks for the responses. YES! You explained it just the way I was thinking. I've also noticed what you have experienced.

Still playing with the AGC/RF settings to find what works best for me. I did set up my Slow AGC with a threshold of 14.73/S7. A quick select to Med for Fast gives me more sensitivity.

A great rig, but sometimes my Omni VII seems a little easier to use. What I mean is the Omni VII just give me the slow/med/fast and less confusion. HI HI

The default settings on the Orion II for AGC seems to harsh. So by adjusting it makes the radio sounds so much better.

Jerry, ki4ps

On May 13, 2012, at 3:13 PM, pa1ap wrote:

> Hi Jerry,
>
> Dont want to confuse the discussion as it is really simple.. allow me to reflect a couple of statements.
>
> There is only one agc activation point. Either threshold or rf gain will move activation point up or down. They are controlling the same but are confusingly called different.
>
> Increase threshold to move agc activation point up.
>
> Decrease rf gain to move agc activation point up.
>
> Which ever control moved agc activation point highest will own agc activation point.
>
> In case threshold value represent s3 and rf gain represents s7... rf gain will own the agc activation point. Other way around same applies of course. Rf gain value represents s4 and threshold represents s6... threshold will own the agc activation point.
>
> If you forget to reset threshold within the rx menu and you dont observe the s meter reading while turning up rf gain to 100... your radio will be less sensitive than expected... I stumbled into this a couple of times when rotating through the agc modes... agc slow had a different threshold than agc med and it got me by suprise when moving from 40m band to 10m band... just something to be aware about.
>
> Hope I did not complicate the discussion ;-). best regards, onno
>
> --- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@...> wrote:
> >
> > I must be missing something between the RF gain, and the AGC threshold settings. On my

Orion II my settings for the Slow AGC is a threshold of 14.73 uV. That gives me about an S7 reading for 75 meters which is low enough.
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> > I guess my questions is with the different AGC threshold settings, the RF gain would have to be at least 70%. Anything less and you defeat the purpose of the threshold adjustments.
> >
> > Again, the relationship seems to be the same. One or the other accomplish the same effect.
> >
> > Jerry, ki4ps
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> >
> > On May 13, 2012, at 3:35 AM, pa1ap wrote:
> >
> > > Hi,
> > >
> > > I have created a public folder and posted the most recent programs and documents I created for Orion. At present time it contains the agc macro discussion, orion backup software, serial port tester.
> > >
> > > https://www.box.com/pa1ap
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> > > The public folder removes the dependency from yahoo group for non yahoo members.
> > >
> > > Best regards, Onno
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8317. RE: [orion565] Problem with my Orion-I: FIXED!!!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-15 03:05:28 UTC
From: Wes Attaway (N5WA)
Topic: 8251 Message: 8317

Jose: Why do you think a CR-2032 battery will last longer than the original Orion battery?

---------- Wes Attaway (N5WA) ----------
1138 Waters Edge Circle, Shreveport, LA 71106
318-797-4972 (Office) - 318-393-3289 (Cell)
Computer Consulting and Forensics
---------- EnCase Certified Examiner ----------

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Jose V. Gavila
Sent: Saturday, April 21, 2012 6:02 PM
To: orion565@yahoogroups.com
Subject: [orion565] Problem with my Orion-I: FIXED!!!

Hi all,

Well, I found the problem!. It was the RAM battery which was gone and so the unit didn't reset properly most of the times.

I have done some surgery to the original battery and have piggy-backed a CR-2032 plus a series diode (as nominal voltage was 2.8V) with a holder, so it will be easy to replace next time and I won't need the special battery plus it will last lots longer.

The final trick was to perform a MASTER RESET. Now the rig works and keeps the operating parameters after power up.

Thanks and best regards from a happy camper :-)

JOSE
--
73 EB5AGV - JOSE V. GAVILA - IM99sm La Canyada - Valencia(SPAIN)
Radio and Test Equipment..... http://jvgavila.com
RadioRepair BLOG..... http://radiorepair.blogspot.com

[Non-text portions of this message have been removed]

8318. Re: [orion565] Problem with my Orion-I: FIXED!!!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-15 09:57:04 UTC
From: Barry N1EU
Topic: 8251 Message: 8318

He said easier, not longer ;-)

Barry N1EU

On Tue, May 15, 2012 at 3:05 AM, Wes Attaway (N5WA) <
wesattaway@...> wrote:

> **
>
>
> Jose: Why do you think a CR-2032 battery will last longer than the original
> Orion battery?
>
> ----------------- Wes Attaway (N5WA) -------------------
> 1138 Waters Edge Circle, Shreveport, LA 71106
> 318-797-4972 (Office) - 318-393-3289 (Cell)
> Computer Consulting and Forensics
> -------------- EnCase Certified Examiner ---------------
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Jose V. Gavila
> Sent: Saturday, April 21, 2012 6:02 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Problem with my Orion-I: FIXED!!!
>
>
> Hi all,
>
> Well, I found the problem!. It was the RAM battery which was gone and
> so the unit didn't reset properly most of the times.
>
> I have done some surgery to the original battery and have
> piggy-backed a CR-2032 plus a series diode (as nominal voltage was
> 2.8V) with a holder, so it will be easy to replace next time and I
> won't need the special battery plus it will last lots longer.
>
> The final trick was to perform a MASTER RESET. Now the rig works and
> keeps the operating parameters after power up.
>
> Thanks and best regards from a happy camper :-)
>
> JOSE
> --
> 73 EB5AGV - JOSE V. GAVILA - IM99sm La Canyada - Valencia(SPAIN)

> Radio and Test Equipment....... http://jvgavila.com
> RadioRepair BLOG.............. http://radiorepair.blogspot.com
>
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8319. Re: [orion565] Problem with my Orion-I: FIXED!!!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-15 13:23:01 UTC
From: Barry N1EU
Topic: 8251 Message: 8319

Apologies, I totally missed (duh), "it will last lots longer"

Barry N1EU

On Tue, May 15, 2012 at 9:57 AM, Barry N1EU <barry.n1eu@...> wrote:

> He said easier, not longer ;-)
>
> Barry N1EU
>
>
> On Tue, May 15, 2012 at 3:05 AM, Wes Attaway (N5WA) <
> wesattaway@...> wrote:
>
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>>
>>
>> Jose: Why do you think a CR-2032 battery will last longer than the
>> original
>> Orion battery?
>>
>> ----------------- Wes Attaway (N5WA) -------------------
>> 1138 Waters Edge Circle, Shreveport, LA 71106
>> 318-797-4972 (Office) - 318-393-3289 (Cell)
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>> -------------- EnCase Certified Examiner ---------------
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>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
>> Behalf
>> Of Jose V. Gavila
>> Sent: Saturday, April 21, 2012 6:02 PM
>> To: orion565@yahoogroups.com
>> Subject: [orion565] Problem with my Orion-I: FIXED!!!
>>
>>
>> Hi all,
>>
>> Well, I found the problem!. It was the RAM battery which was gone and
>> so the unit didn't reset properly most of the times.
>>
>> I have done some surgery to the original battery and have
>> piggy-backed a CR-2032 plus a series diode (as nominal voltage was
>> 2.8V) with a holder, so it will be easy to replace next time and I
>> won't need the special battery plus it will last lots longer.

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>> The final trick was to perform a MASTER RESET. Now the rig works and
>> keeps the operating parameters after power up.
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>> Thanks and best regards from a happy camper :-)
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8320. Re: [orion565] Re: OT: Orion windows programs and AGC visualization docs

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-15 19:21:40 UTC
From: Jerry Rogers
Topic: 8313 Message: 8320

With all this said about the activation point, and adjusting the threshold in the menu for AGC or using the RF gain, I see no reason to do anything with the AGC threshold.

I did change the threshold on the Slow setting since that is where I'm at the most. However, I use the RF gain all the time and it is usually about 60%. That defeats the AGC threshold.

The only thing I see in adjusting the AGC settings is to slow down the s-meter movement from bouncing around.

As I play with the Orion II, and my Omni VII, I do see the AGC on the Omni VII working when I have the RF gain set very low. I do not see this with the Orion II.

Jerry
ki4ps

On May 13, 2012, at 3:13 PM, pa1ap wrote:

> Hi Jerry,
>
> Dont want to confuse the discussion as it is really simple.. allow me to reflect a couple of statements.
>
> There is only one agc activation point. Either threshold or rf gain will move activation point up or down. They are controlling the same but are confusingly called different.
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> If you forget to reset threshold within the rx menu and you dont observe the s meter reading while turning up rf gain to 100... your radio will be less sensitive than expected... I stumbled into this a couple of times when rotating through the agc modes... agc slow had a different threshold than agc med and it got me by suprise when moving from 40m band to 10m band... just something to be aware about.
>
> Hope I did not complicate the discussion ;-). best regards, onno
>
> --- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@...> wrote:

> >
> > I must be missing something between the RF gain, and the AGC threshold settings. On my Orion II my settings for the Slow AGC is a threshold of 14.73 uV. That gives me about an S7 reading for 75 meters which is low enough.
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> > I guess my questions is with the different AGC threshold settings, the RF gain would have to be at least 70%. Anything less and you defeat the purpose of the threshold adjustments.
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> > Jerry, ki4ps
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> > > Hi,
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8321. Errant pixel dot on Orion II ver 3.029 display...one more clue

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-16 03:10:33 UTC
From: k7fd
Topic: 8321 Message: 8321

FYI, the errant pixel doesn't show up on the display often enough to nail down the cause...but I have determined it has something to do with the AM mode, main receiver. I know that isn't much to go on, but it appears the single dot has appeared when I have been in the AM mode. The dot does not appear until the rig has been turned off and turned on later...and then switched from AM mode back to CW or SSB.

FYI, the single dot/pixel appears in the same horizontal plane as the top of the bandpass display, just a hair left and above the 'O' mark on the sweep display.

To clear the dot, I turn the rig off and back on.

73 John K7FD

8322. Re: Errant pixel dot on Orion II ver 3.029 display...one more clue

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-16 06:40:43 UTC
From: pa1ap
Topic: 8321 Message: 8322

Could you send me a picture whren it happens and run backup sequence? If you can share both it would make replication a bit easier. Thanks and regards, onno
--- In orion565@yahoogroups.com, "k7fd" <wolfmanjack@...> wrote:
>
> FYI, the errant pixel doesn't show up on the display often enough to nail down the cause...but I have determined it has something to do with the AM mode, main receiver. I know that isn't much to go on, but it appears the single dot has appeared when I have been in the AM mode. The dot does not appear until the rig has been turned off and turned on later...and then switched from AM mode back to CW or SSB.
>
> FYI, the single dot/pixel appears in the same horizontal plane as the top of the bandpass display, just a hair left and above the 'O' mark on the sweep display.
>
> To clear the dot, I turn the rig off and back on.
>
> 73 John K7FD
>

8323. Re: OT: Orion windows programs and AGC visualization docs

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-16 06:42:03 UTC
From: pa1ap
Topic: 8313 Message: 8323

Yes fully agree. Most practical is to use rf gain.
Regards, onno

--- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@...> wrote:
>
> With all this said about the activation point, and adjusting the threshold in the menu for AGC or using the RF gain, I see no reason to do anything with the AGC threshold.
>
> I did change the threshold on the Slow setting since that is where I'm at the most. However, I use the RF gain all the time and it is usually about 60%. That defeats the AGC threshold.
>
> The only thing I see in adjusting the AGC settings is to slow down the s-meter movement from bouncing around.
>
> As I play with the Orion II, and my Omni VII, I do see the AGC on the Omni VII working when I have the RF gain set very low. I do not see this with the Orion II.
>
> Jerry
> ki4ps
>
>
> On May 13, 2012, at 3:13 PM, pa1ap wrote:
>
> > Hi Jerry,
> >
> > Dont want to confuse the discussion as it is really simple.. allow me to reflect a couple of statements.
> >
> > There is only one agc activation point. Either threshold or rf gain will move activation point up or down. They are controlling the same but are confusingly called different.
> >
> > Increase threshold to move agc activation point up.
> >
> > Decrease rf gain to move agc activation point up.
> >
> > Which ever control moved agc activation point highest will own agc activation point.
> >
> > In case threshold value represent s3 and rf gain represents s7... rf gain will own the agc activation point. Other way around same applies of course. Rf gain value represents s4 and threshold represents s6... threshold will own the agc activation point.
> >
> > If you forget to reset threshold within the rx menu and you dont observe the s meter reading while turning up rf gain to 100... your radio will be less sensitive than expected... I stumbled into this a couple of times when rotating through the agc modes... agc slow had a different threshold than agc med and it got me by suprise when moving from 40m band to 10m band... just something to be aware about.
> >

> > Hope I did not complicate the discussion ;-). best regards, onno
> >
> > --- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@> wrote:
> > >
> > > I must be missing something between the RF gain, and the AGC threshold settings. On my Orion II my settings for the Slow AGC is a threshold of 14.73 uV. That gives me about an S7 reading for 75 meters which is low enough.
> > >
> > > I guess my questions is with the different AGC threshold settings, the RF gain would have to be at least 70%. Anything less and you defeat the purpose of the threshold adjustments.
> > >
> > > Again, the relationship seems to be the same. One or the other accomplish the same effect.
> > >
> > > Jerry, ki4ps
> > >
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> > > On May 13, 2012, at 3:35 AM, pa1ap wrote:
> > >
> > > > Hi,
> > > >
> > > > I have created a public folder and posted the most recent programs and documents I created for Orion. At present time it contains the agc macro discussion, orion backup software, serial port tester.
> > > >
> > > > https://www.box.com/pa1ap
> > > >
> > > > The public folder removes the dependency from yahoo group for non yahoo members.
> > > >
> > > > Best regards, Onno
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8324. Re: OT: Orion windows programs and AGC visualization docs

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-16 06:41:52 UTC
From: pa1ap
Topic: 8313 Message: 8324

Yes fully agree. Most practical is to use rf gain.
Regards, onno

--- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@...> wrote:
>
> With all this said about the activation point, and adjusting the threshold in the menu for AGC or using the RF gain, I see no reason to do anything with the AGC threshold.
>
> I did change the threshold on the Slow setting since that is where I'm at the most. However, I use the RF gain all the time and it is usually about 60%. That defeats the AGC threshold.
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> The only thing I see in adjusting the AGC settings is to slow down the s-meter movement from bouncing around.
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> As I play with the Orion II, and my Omni VII, I do see the AGC on the Omni VII working when I have the RF gain set very low. I do not see this with the Orion II.
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> Jerry
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>
>
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> >
> > If you forget to reset threshold within the rx menu and you dont observe the s meter reading while turning up rf gain to 100... your radio will be less sensitive than expected... I stumbled into this a couple of times when rotating through the agc modes... agc slow had a different threshold than agc med and it got me by suprise when moving from 40m band to 10m band... just something to be aware about.
> >

> > Hope I did not complicate the discussion ;-). best regards, onno
> >
> > --- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@> wrote:
> > >
> > > I must be missing something between the RF gain, and the AGC threshold settings. On my Orion II my settings for the Slow AGC is a threshold of 14.73 uV. That gives me about an S7 reading for 75 meters which is low enough.
> > >
> > > I guess my questions is with the different AGC threshold settings, the RF gain would have to be at least 70%. Anything less and you defeat the purpose of the threshold adjustments.
> > >
> > > Again, the relationship seems to be the same. One or the other accomplish the same effect.
> > >
> > > Jerry, ki4ps
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> > > On May 13, 2012, at 3:35 AM, pa1ap wrote:
> > >
> > > > Hi,
> > > >
> > > > I have created a public folder and posted the most recent programs and documents I created for Orion. At present time it contains the agc macro discussion, orion backup software, serial port tester.
> > > >
> > > > https://www.box.com/pa1ap
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> > > > Best regards, Onno
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8325. Re: cw operation. Relay clicks....Help please.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-16 09:58:51 UTC
From: Zoli
Topic: 8013 Message: 8325

Can anyone Who uses CW tell me how to disable the relay.

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> The relay still clicks away, even with PTT asserted. What PTT buys you is
> rx muting but the relay still clicks on each cw element.
O> j
> Barry N1EU
>
> On Mon, Mar 12, 2012 at 11:10 PM, Tom Berry <tberry1@...> wrote:
>
> > **
> > >
> > >
> > Well the PTT does key the rig in CW - at least on my radio. If I don't
> > want to listen to the relay and have a long transmission then I key the
> > PTT.
> > >
> > 73 Tom AA4VV
> > >
> > >
> > On 3/12/2012 6:35 PM, Zoli wrote:
> > > Thanks Barry,
> > > I didn't think it did as i tried that earlier the relay clicks are still
> > there.
> > > This must be the only radio that I cant seem to use the vox to keep it
> > in TX whilst making my call , the relay clicks at every dot and dash.nice
> > in QSK but not sure of the life of a relay used now and again in CW.
> > > Anyone else have a solution to the CW operation .
> > > The manual does not have much info about CW operation and this must be
> > one of the most popular cw radios about.
> > > Regards
> > > Zoli M0ZOL
> > > Oh and just updated to the newest firmware and there is a vast
> > improvement to the radio, its now quite a joy to use . What does the SAF do
> > , it seems to do something with the notch?
> > > Cheers guys for the knowledge...
> > >
> > > --- In orion565@yahoogroups.com, Barry N1EU<barry.n1eu@> wrote:
> > >> The QSK Delay has no effect on the relay activation.
> > >>
> > >> Barry N1EU
> > >>
> > >> On Mon, Mar 12, 2012 at 3:38 AM, art davis<n4uc@> wrote:
> > >>

> > >>> Try setting the QSK DELAY (in the CW menu) higher, say 10-15 percent.
> > >>>
> > >>> To: orion565@yahoogroups.com
> > >>> From: pyshack@
> > >>> Date: Sun, 11 Mar 2012 21:54:46 +0000
> > >>> Subject: [orion565] cw operation.
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8326. Re: [orion565] Re: cw operation. Relay clicks....Help please.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-16 10:28:49 UTC
From: Barry N1EU
Topic: 8013 Message: 8326

The relay can't be disabled.

Barry N1EU

On Wed, May 16, 2012 at 9:58 AM, Zoli <pyshack@...> wrote:

> **
>
>
>
> Can anyone Who uses CW tell me how to disable the relay.
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
> >
> > The relay still clicks away, even with PTT asserted. What PTT buys you is
> > rx muting but the relay still clicks on each cw element.
> O> j
> > Barry N1EU
> >
> > On Mon, Mar 12, 2012 at 11:10 PM, Tom Berry <tberry1@...> wrote:
> >
> > > **
> > >
> > >
> > > Well the PTT does key the rig in CW - at least on my radio. If I don't
> > > want to listen to the relay and have a long transmission then I key the
> > > PTT.
> > >
> > > 73 Tom AA4VV
> > >
> > >
> > > On 3/12/2012 6:35 PM, Zoli wrote:
> > > > Thanks Barry,
> > > > I didn't think it did as i tried that earlier the relay clicks are
> still
> > > there.
> > > > This must be the only radio that I cant seem to use the vox to keep
> it
> > > in TX whilst making my call , the relay clicks at every dot and
> dash.nice
> > > in QSK but not sure of the life of a relay used now and again in CW.
> > > > Anyone else have a solution to the CW operation .
> > > > The manual does not have much info about CW operation and this must
> be
> > > one of the most popular cw radios about.
> > > > Regards

> > > > Zoli M0ZOL
> > > > Oh and just updated to the newest firmware and there is a vast
> > > improvement to the radio, its now quite a joy to use . What does the
> SAF do
> > > , it seems to do something with the notch?
> > > > Cheers guys for the knowledge...
> > > >
> > > > --- In orion565@yahoogroups.com, Barry N1EU<barry.n1eu@> wrote:
> > > >> The QSK Delay has no effect on the relay activation.
> > > >>
> > > >> Barry N1EU
> > > >>
> > > >> On Mon, Mar 12, 2012 at 3:38 AM, art davis<n4uc@> wrote:
> > > >>
> > > >>> Try setting the QSK DELAY (in the CW menu) higher, say 10-15
> percent.
> > > >>>
> > > >>> To: orion565@yahoogroups.com
> > > >>> From: pyshack@
> > > >>> Date: Sun, 11 Mar 2012 21:54:46 +0000
> > > >>> Subject: [orion565] cw operation.
> > > >>>
> > > >>>
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> relay
> > > >>> clicking all the time .
> > > >>>
> > > >>> Is there any way of operation without the relay in the radio going
> off
> > > >>> like in VOX operation?
> > > >>>
> > > >>> Can anyone help please.
> > > >>>
> > > >>> Thanks.
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8327. Updating firmware 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-16 20:07:00 UTC
From: IZ4TNW
Topic: 8327 Message: 8327

Hi guys, i'm in trouble with updating my orion 565, i've cecked operating manual and download the last version of the firmware (my version is 2.064)the trx is connected to the DB9 serial port (normally i use Ham radio deluxe)
I send the new version of the firmware over my trx the Flash program start but nothing will happen.
What is my mistake?
thank you
Antonio
iz4tnw

8328. Re: Updating firmware 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-16 20:16:16 UTC
From: pa1ap
Topic: 8327 Message: 8328

Typical you would like to check:

1- switch off the orion, push and hold user1 button while switch on orion. this will enable flash mode

2- start flash program after you have seen step 1 to display flash on orion

3- if orion connects well the bottom right are of the updatd program will show something like orion....

4- confirm the serial cable has cts hardward handshaking wires connected. this isneeded for upgrade.

best regards, onno
--- In orion565@yahoogroups.com, "IZ4TNW" <iz4tnw@...> wrote:
>
> Hi guys, i'm in trouble with updating my orion 565, i've cecked operating manual and download the last version of the firmware (my version is 2.064)the trx is connected to the DB9 serial port (normally i use Ham radio deluxe)
> I send the new version of the firmware over my trx the Flash program start but nothing will happen.
> What is my mistake?
> thank you
> Antonio
> iz4tnw
>

8329. RE: [orion565] Re: cw operation. Relay clicks....Help please.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-17 01:38:44 UTC
From: art davis
Topic: 8013 Message: 8329

I would say that the only way to fix the clicks is to replace the relay, but even that doesn't help. I did that and I can still hear the relay clicking/chirping with my headphones on. Absolutely annoying!

Good luck!

Art N4UC

To: orion565@yahoogroups.com
From: barry.n1eu@...
Date: Wed, 16 May 2012 10:28:49 +0000
Subject: Re: [orion565] Re: cw operation. Relay clicks....Help please.

The relay can't be disabled.

Barry N1EU

On Wed, May 16, 2012 at 9:58 AM, Zoli <pyshack@...> wrote:

> **

>

>

>

> Can anyone Who uses CW tell me how to disable the relay.

>

> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:

> >

> > The relay still clicks away, even with PTT asserted. What PTT buys you is

> > rx muting but the relay still clicks on each cw element.

> O> j

> > Barry N1EU

> >

> > On Mon, Mar 12, 2012 at 11:10 PM, Tom Berry <tberry1@...> wrote:

> >

> > > **

> > >

> > >

> > > Well the PTT does key the rig in CW - at least on my radio. If I don't

> > > want to listen to the relay and have a long transmission then I key the

> > > PTT.

> > >

> > > 73 Tom AA4VV

> > >

> > >

> > > On 3/12/2012 6:35 PM, Zoli wrote:

> > > > Thanks Barry,

> > > > I didn't think it did as i tried that earlier the relay clicks are

> still

> > > there.

> > > > This must be the only radio that I cant seem to use the vox to keep

> it

> > > in TX whilst making my call , the relay clicks at every dot and

> dash.nice

> > > in QSK but not sure of the life of a relay used now and again in CW.

> > > > Anyone else have a solution to the CW operation .

> > > > The manual does not have much info about CW operation and this must

> be

> > > one of the most popular cw radios about.

> > > > Regards

> > > > Zoli M0ZOL

> > > > Oh and just updated to the newest firmware and there is a vast

> > > improvement to the radio, its now quite a joy to use . What does the

> SAF do

> > > , it seems to do something with the notch?

> > > > Cheers guys for the knowledge...

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> > > > --- In orion565@yahoogroups.com, Barry N1EU<barry.n1eu@> wrote:

> > > >> The QSK Delay has no effect on the relay activation.

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> > > >> Barry N1EU

> > > >>

> > > >> On Mon, Mar 12, 2012 at 3:38 AM, art davis<n4uc@> wrote:

> > > >>

> > > >>> Try setting the QSK DELAY (in the CW menu) higher, say 10-15

> percent.

> > > >>>

> > > >>> To: orion565@yahoogroups.com

> > > >>> From: pyshack@

> > > >>> Date: Sun, 11 Mar 2012 21:54:46 +0000

> > > >>> Subject: [orion565] cw operation.

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> > > >>> I have recently gone back to operating CW and I don't like the

> relay

> > > >>> clicking all the time .

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> > > >>> Is there any way of operation without the relay in the radio going

> off

> > > >>> like in VOX operation?

> > > >>>

> > > >>> Can anyone help please.

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> > > >>> Thanks.

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8331. RE: [orion565] Re: cw operation. Relay clicks....Help please.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-17 01:44:53 UTC
From: art davis
Topic: 8013 Message: 8331

I need to do that mod to my amp as well, but believe it or not, this is a reed relay, not an electromechanical kerchunker that's making all the racket!

To: orion565@yahoogroups.com
From: catfishtwo@...
Date: Wed, 16 May 2012 21:40:48 -0400
Subject: Re: [orion565] Re: cw operation. Relay clicks....Help please.

one of my friends did a fix to a alpha 76 a with a loud relay click, he

used 2 small vacuum relays mounted in a rubber grommet and got rid of 99 % of

the noise, and it would also now do QSK

tom N6AJR

In a message dated 5/16/2012 6:38:48 P.M. Pacific Daylight Time,

n4uc@... writes:

I would say that the only way to fix the clicks is to replace the relay,

but even that doesn't help. I did that and I can still hear the relay

clicking/chirping with my headphones on. Absolutely annoying!

Good luck!

Art N4UC

To: orion565@yahoogroups.com

From: barry.n1eu@gmail.com

Date: Wed, 16 May 2012 10:28:49 +0000

Subject: Re: [orion565] Re: cw operation. Relay clicks....Help please.

The relay can't be disabled.

Barry N1EU

On Wed, May 16, 2012 at 9:58 AM, Zoli <pyshack@yahoo.co.uk> wrote:

> **

>

>

>

> Can anyone Who uses CW tell me how to disable the relay.

>

> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:

> >

> > The relay still clicks away, even with PTT asserted. What PTT buys you

is

> > rx muting but the relay still clicks on each cw element.

> O> j

> > Barry N1EU

> >

> > On Mon, Mar 12, 2012 at 11:10 PM, Tom Berry <tberry1@...> wrote:

> >

> > > **

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> > >

> > > Well the PTT does key the rig in CW - at least on my radio. If I

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> > > want to listen to the relay and have a long transmission then I key

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> > >

> > > 73 Tom AA4VV

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> > > On 3/12/2012 6:35 PM, Zoli wrote:

> > > > Thanks Barry,

> > > > I didn't think it did as i tried that earlier the relay clicks are

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> > > > This must be the only radio that I cant seem to use the vox to keep

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> > > > Anyone else have a solution to the CW operation .

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> > > one of the most popular cw radios about.

> > > > Regards

> > > > Zoli M0ZOL

> > > > Oh and just updated to the newest firmware and there is a vast

> > > improvement to the radio, its now quite a joy to use . What does the

> SAF do

> > > , it seems to do something with the notch?

> > > > Cheers guys for the knowledge...

> > > >

> > > > --- In orion565@yahoogroups.com, Barry N1EU<barry.n1eu@> wrote:

> > > >> The QSK Delay has no effect on the relay activation.

> > > >>

> > > >> Barry N1EU

> > > >>

> > > >> On Mon, Mar 12, 2012 at 3:38 AM, art davis<n4uc@> wrote:

> > > >>

> > > >>> Try setting the QSK DELAY (in the CW menu) higher, say 10-15

> percent.

> > > >>>

> > > >>> To: orion565@yahoogroups.com

> > > >>> From: pyshack@

> > > >>> Date: Sun, 11 Mar 2012 21:54:46 +0000

> > > >>> Subject: [orion565] cw operation.

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> > > >>> like in VOX operation?

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8332. RE: [orion565] Re: cw operation. Relay clicks....Help please.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-17 03:20:08 UTC
From: Duane Calvin
Topic: 8013 Message: 8332

Art, you might want to review some of the older posts on this same topic. There was extensive discussion of it last year, I believe. It may have been on the tentec reflector instead of here, but some Orion's have loud relays, and others, like mine, have quiet relays. Several suggestions were made to quiet it down, but I don't recall what they were now.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of art davis
Sent: Wednesday, May 16, 2012 9:45 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: cw operation. Relay clicks....Help please.

I need to do that mod to my amp as well, but believe it or not, this is a reed relay, not an electromechanical kerchunker that's making all the racket!

To: orion565@yahoogroups.com
From: catfishtwo@...
Date: Wed, 16 May 2012 21:40:48 -0400
Subject: Re: [orion565] Re: cw operation. Relay clicks....Help please.

one of my friends did a fix to a alpha 76 a with a loud relay click, he

used 2 small vacuum relays mounted in a rubber grommet and got rid of 99 % of

the noise, and it would also now do QSK

tom N6AJR

In a message dated 5/16/2012 6:38:48 P.M. Pacific Daylight Time,

n4uc@... writes:

I would say that the only way to fix the clicks is to replace the relay,

but even that doesn't help. I did that and I can still hear the relay

clicking/chirping with my headphones on. Absolutely annoying!

Good luck!

Art N4UC

To: orion565@yahoogroups.com

From: barry.n1eu@...

Date: Wed, 16 May 2012 10:28:49 +0000

Subject: Re: [orion565] Re: cw operation. Relay clicks....Help please.

The relay can't be disabled.

Barry N1EU

On Wed, May 16, 2012 at 9:58 AM, Zoli <pyshack@...> wrote:

> **

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> Can anyone Who uses CW tell me how to disable the relay.

>

> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:

> >

> > The relay still clicks away, even with PTT asserted. What PTT buys you

is

> > rx muting but the relay still clicks on each cw element.

> O> j

> > Barry N1EU

> >

> > On Mon, Mar 12, 2012 at 11:10 PM, Tom Berry <tberry1@...> wrote:

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> > > Well the PTT does key the rig in CW - at least on my radio. If I

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> > > want to listen to the relay and have a long transmission then I key
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> > > PTT.
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> > > 73 Tom AA4VV
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> > >
> > > On 3/12/2012 6:35 PM, Zoli wrote:
> > > > Thanks Barry,
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> > > > Oh and just updated to the newest firmware and there is a vast
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> > > > Cheers guys for the knowledge...
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> > > > --- In orion565@yahoogroups.com, Barry N1EU<barry.n1eu@> wrote:

> > > >> The QSK Delay has no effect on the relay activation.

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> > > >> Barry N1EU

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> > > >> On Mon, Mar 12, 2012 at 3:38 AM, art davis<n4uc@> wrote:

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> > > >>> To: orion565@yahoogroups.com

> > > >>> From: pyshack@

> > > >>> Date: Sun, 11 Mar 2012 21:54:46 +0000

> > > >>> Subject: [orion565] cw operation.

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Yahoo! Groups Links

8333. Re: cw operation. Relay clicks....Help please.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-17 06:30:11 UTC
From: pa1ap
Topic: 8013 Message: 8333

The difference might be on how close the reed relais is mounted to the pcb. Perhaps some units have the relais touching the pcb and other rigs dont. The contact would make the pcb the soundboard. It might be worthwile to check. Regards, onno
--- In orion565@yahoogroups.com, "Duane Calvin" <ac5aa1@...> wrote:
>
> Art, you might want to review some of the older posts on this same topic.
> There was extensive discussion of it last year, I believe. It may have been
> on the tentec reflector instead of here, but some Orion's have loud relays,
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> quiet it down, but I don't recall what they were now.
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> 73, Duane
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>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
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> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of art davis
> Sent: Wednesday, May 16, 2012 9:45 PM
> To: orion565@yahoogroups.com
> Subject: RE: [orion565] Re: cw operation. Relay clicks....Help please.
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> I need to do that mod to my amp as well, but believe it or not, this is a
> reed relay, not an electromechanical kerchunker that's making all the
> racket!
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> To: orion565@yahoogroups.com
> From: catfishtwo@...
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> n4uc@... writes:
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8334. Re: Updating firmware 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-17 15:10:59 UTC
From: IZ4TNW
Topic: 8327 Message: 8334

Hi Onno
many thanks for your help, now the problem is fixed
best regards
Antonio
iz4tnw

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Typical you would like to check:
>
> 1- switch off the orion, push and hold user1 button while switch on orion. this will enable flash mode
>
> 2- start flash program after you have seen step 1 to display flash on orion
>
> 3- if orion connects well the bottom right are of the updatd program will show something like orion....
>
> 4- confirm the serial cable has cts hardward handshaking wires connected. this isneeded for upgrade.
>
> best regards, onno
> --- In orion565@yahoogroups.com, "IZ4TNW" <iz4tnw@> wrote:
> >
> > Hi guys, i'm in trouble with updating my orion 565, i've cecked operating manual and download the last version of the firmware (my version is 2.064)the trx is connected to the DB9 serial port (normally i use Ham radio deluxe)
> > I send the new version of the firmware over my trx the Flash program start but nothing will happen.
> > What is my mistake?
> > thank you
> > Antonio
> > iz4tnw
> >
>

8335. RE: [orion565] Re: cw operation. Relay clicks....Help please.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-17 15:44:20 UTC
From: art davis
Topic: 8013 Message: 8335

You are correct (as usual) Onno. I actually tried off-mounting the relay about 1/2 inch above the PC board and wrapping it with foam tape which did fix the noise. But the radio was unusable on 10M due to the RF coupling of the longer leads going to the relay. But it's no real big issue, I've kinda gotten used to it as long as I use headphones which I do anyway.

And thanks Duane, I was in the middle of that discussion as well but since have progressed to other things to complain about!

73 all, Art N4UC

To: orion565@yahoogroups.com
From: pa1ap@...
Date: Thu, 17 May 2012 06:30:11 +0000
Subject: [orion565] Re: cw operation. Relay clicks....Help please.

The difference might be on how close the reed relais is mounted to the pcb. Perhaps some units have the relais touching the pcb and other rigs dont. The contact would make the pcb the soundboard. It might be worthwile to check. Regards, onno

--- In orion565@yahoogroups.com, "Duane Calvin" <ac5aa1@...> wrote:

>

> Art, you might want to review some of the older posts on this same topic.

> There was extensive discussion of it last year, I believe. It may have been

> on the tentec reflector instead of here, but some Orion's have loud relays,

> and others, like mine, have quiet relays. Several suggestions were made to

> quiet it down, but I don't recall what they were now.

>

> 73, Duane

>

>

> Duane Calvin, AC5AA

> Austin, Texas

> www.ac5aa.com

>

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>

> -----Original Message-----

> From: orion565@...m [mailto:orion565@yahoogroups.com] On Behalf

> Of art davis

> Sent: Wednesday, May 16, 2012 9:45 PM

> To: orion565@yahoogroups.com

> Subject: RE: [orion565] Re: cw operation. Relay clicks....Help please.

>

>

> I need to do that mod to my amp as well, but believe it or not, this is a

> reed relay, not an electromechanical kerchunker that's making all the

> racket!

>

> To: orion565@yahoogroups.com

> From: catfishtwo@...

> Date: Wed, 16 May 2012 21:40:48 -0400

> Subject: Re: [orion565] Re: cw operation. Relay clicks....Help please.

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> one of my friends did a fix to a alpha 76 a with a loud relay click,

> he

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> used 2 small vacuum relays mounted in a rubber grommet and got rid of 99 %

> of

>

> the noise, and it would also now do QSK

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> tom N6AJR

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> In a message dated 5/16/2012 6:38:48 P.M. Pacific Daylight Time,

>

> n4uc@... writes:

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> I would say that the only way to fix the clicks is to replace the relay,

>

> but even that doesn't help. I did that and I can still hear the relay

>

> clicking/chirping with my headphones on. Absolutely annoying!

>

>

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> Good luck!

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>

> Art N4UC

>

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> To: orion565@yahoogroups.com

>

> From: barry.n1eu@...

>

> Date: Wed, 16 May 2012 10:28:49 +0000

>

> Subject: Re: [orion565] Re: cw operation. Relay clicks....Help please.

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> The relay can't be disabled.

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> Barry N1EU

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> On Wed, May 16, 2012 at 9:58 AM, Zoli <pyshack@...> wrote:

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> > Can anyone Who uses CW tell me how to disable the relay.

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> > --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:

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> > > The relay still clicks away, even with PTT asserted. What PTT buys you

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> is

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> > > rx muting but the relay still clicks on each cw element.

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> > > Barry N1EU

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> > > On Mon, Mar 12, 2012 at 11:10 PM, Tom Berry <tberry1@> wrote:

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> > > > Well the PTT does key the rig in CW - at least on my radio. If I

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> don't

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> > > > want to listen to the relay and have a long transmission then I key

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> > > > PTT.

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> > > > 73 Tom AA4VV

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> > > > On 3/12/2012 6:35 PM, Zoli wrote:

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> > > > > Thanks Barry,

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> > > > > I didn't think it did as i tried that earlier the relay clicks are

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> > still

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> > > > there.

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> > > > > This must be the only radio that I cant seem to use the vox to keep

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> > it

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> > > > in TX whilst making my call , the relay clicks at every dot and

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> > dash.nice

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> > > > in QSK but not sure of the life of a relay used now and again in CW.

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> > > > > Anyone else have a solution to the CW operation .

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> > > > > The manual does not have much info about CW operation and this must

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> > be

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> > > > one of the most popular cw radios about.

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> > > > > Regards

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> > > > > Zoli M0ZOL

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> > > > > Oh and just updated to the newest firmware and there is a vast

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> > > > improvement to the radio, its now quite a joy to use . What does the

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> > SAF do

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> > > > , it seems to do something with the notch?

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> > > > > Cheers guys for the knowledge...

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> > > > > --- In orion565@yahoogroups.com, Barry N1EU<barry.n1eu@> wrote:

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> > > > >> The QSK Delay has no effect on the relay activation.

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> > > > >> Barry N1EU

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> > > > >> On Mon, Mar 12, 2012 at 3:38 AM, art davis<n4uc@> wrote:

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> > > > >>> Try setting the QSK DELAY (in the CW menu) higher, say 10-15

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> > percent.

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> > > > >>> To: orion565@yahoogroups.com

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> > > > >>> From: pyshack@

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> > > > >>> Date: Sun, 11 Mar 2012 21:54:46 +0000

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> > > > >>> Subject: [orion565] cw operation.

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> > > > >>> I have recently gone back to operating CW and I don't like the

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> > relay

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> > > > >>> clicking all the time .

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> > > > >>> Is there any way of operation without the relay in the radio

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> > > > >>> like in VOX operation?

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> > > > >>> Can anyone help please.

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> > > > >>> Thanks.

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8336. Re: cw operation. Relay clicks....Help please.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-17 19:20:35 UTC
From: pa1ap
Topic: 8013 Message: 8336

Did you mount it back without space between reed relais and pcb or did you leave a tiny space between them? I guess 2mm distance between reed and pcb should not influence the 10m band? I will need to doublecheck on my unit but my unit makes little sound and I have good hearing. Regards, onno

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:
>
>
> You are correct (as usual) Onno. I actually tried off-mounting the relay about 1/2 inch above the PC board and wrapping it with foam tape which did fix the noise. But the radio was unusable on 10M due to the RF coupling of the longer leads going to the relay. But it's no real big issue, I've kinda gotten used to it as long as I use headphones which I do anyway.
>
> And thanks Duane, I was in the middle of that discussion as well but since have progressed to other things to complain about!
>
> 73 all, Art N4UC
>
> To: orion565@yahoogroups.com
> From: pa1ap@...
> Date: Thu, 17 May 2012 06:30:11 +0000
> Subject: [orion565] Re: cw operation. Relay clicks....Help please.
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> The difference might be on how close the reed relais is mounted to the pcb. Perhaps some units have the relais touching the pcb and other rigs dont. The contact would make the pcb the soundboard. It might be worthwile to check. Regards, onno
>
> --- In orion565@yahoogroups.com, "Duane Calvin" <ac5aa1@> wrote:
>
> >
>
> > Art, you might want to review some of the older posts on this same topic.
>
> > There was extensive discussion of it last year, I believe. It may have been
>
> > on the tentec reflector instead of here, but some Orion's have loud relays,
>
> > and others, like mine, have quiet relays. Several suggestions were made to
>
> > quiet it down, but I don't recall what they were now.
>
> >
>
> > 73, Duane
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> > Duane Calvin, AC5AA
>
> > Austin, Texas
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> > www.ac5aa.com
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> > -----Original Message-----
>
> > From: orion565@yahoogroups.com [mailto:orion565@...m] On Behalf
>
> > Of art davis
>
> > Sent: Wednesday, May 16, 2012 9:45 PM
>

> > To: orion565@yahoogroups.com
>
> > Subject: RE: [orion565] Re: cw operation. Relay clicks....Help please.
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> > I need to do that mod to my amp as well, but believe it or not, this is a
>
> > reed relay, not an electromechanical kerchunker that's making all the
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> > racket!
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> > To: orion565@yahoogroups.com
>
> > From: catfishtwo@
>
> > Date: Wed, 16 May 2012 21:40:48 -0400
>
> > Subject: Re: [orion565] Re: cw operation. Relay clicks....Help please.
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> > one of my friends did a fix to a alpha 76 a with a loud relay click,
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> > he
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> > used 2 small vacuum relays mounted in a rubber grommet and got rid of 99 %
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> > of
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> > the noise, and it would also now do QSK
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> > tom N6AJR
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> > In a message dated 5/16/2012 6:38:48 P.M. Pacific Daylight Time,
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> > n4uc@ writes:
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> > I would say that the only way to fix the clicks is to replace the relay,
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> > but even that doesn't help. I did that and I can still hear the relay
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> > clicking/chirping with my headphones on. Absolutely annoying!
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> > Good luck!
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> > Art N4UC
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> > To: orion565@yahoogroups.com
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> > From: barry.n1eu@
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> > Date: Wed, 16 May 2012 10:28:49 +0000
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> > Subject: Re: [orion565] Re: cw operation. Relay clicks....Help please.
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> > The relay can't be disabled.
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> > Barry N1EU
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> > On Wed, May 16, 2012 at 9:58 AM, Zoli <pyshack@> wrote:
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> > > Can anyone Who uses CW tell me how to disable the relay.
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> > > --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
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> > > > rx muting but the relay still clicks on each cw element.
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> > > > On Mon, Mar 12, 2012 at 11:10 PM, Tom Berry <tberry1@> wrote:
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> > > > > Anyone else have a solution to the CW operation .
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> > > > > > >> The QSK Delay has no effect on the relay activation.
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> > > > > > >> Barry N1EU
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> > > > > > >> On Mon, Mar 12, 2012 at 3:38 AM, art davis<n4uc@> wrote:
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> > > > > > >>> Try setting the QSK DELAY (in the CW menu) higher, say 10-15
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> > > > > > >>> To: orion565@yahoogroups.com
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> > > > > > >>> From: pyshack@
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> > > > > > >>> Date: Sun, 11 Mar 2012 21:54:46 +0000
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> > > > > > >>> Subject: [orion565] cw operation.
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8337. Re: [orion565] Re: cw operation. Relay clicks....Help please.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-17 20:11:14 UTC
From: Barry N1EU
Topic: 8013 Message: 8337

I can clearly hear my relay with my headphones off but I always have them
on with cw so it's not an issue.

Barry N1EU

On Thu, May 17, 2012 at 7:20 PM, pa1ap <pa1ap@...> wrote:

> **
>
>
> Did you mount it back without space between reed relais and pcb or did you
> leave a tiny space between them? I guess 2mm distance between reed and pcb
> should not influence the 10m band? I will need to doublecheck on my unit
> but my unit makes little sound and I have good hearing. Regards, onno
>
>
> --- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:
> >
> >
> > You are correct (as usual) Onno. I actually tried off-mounting the relay
> about 1/2 inch above the PC board and wrapping it with foam tape which did
> fix the noise. But the radio was unusable on 10M due to the RF coupling of
> the longer leads going to the relay. But it's no real big issue, I've kinda
> gotten used to it as long as I use headphones which I do anyway.
> >
> > And thanks Duane, I was in the middle of that discussion as well but
> since have progressed to other things to complain about!
> >
> > 73 all, Art N4UC
> >
> > To: orion565@yahoogroups.com
> > From: pa1ap@...
>
> > Date: Thu, 17 May 2012 06:30:11 +0000
> > Subject: [orion565] Re: cw operation. Relay clicks....Help please.
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> > The difference might be on how close the reed relais is mounted to the
> pcb. Perhaps some units have the relais touching the pcb and other rigs
> dont. The contact would make the pcb the soundboard. It might be worthwile
> to check. Regards, onno
> >
> > --- In orion565@yahoogroups.com, "Duane Calvin" <ac5aa1@> wrote:
> >
> > >
> >
> > > Art, you might want to review some of the older posts on this same
> topic.
> >
> > > There was extensive discussion of it last year, I believe. It may have
> been
> >
> > > on the tentec reflector instead of here, but some Orion's have loud
> relays,
> >
> > > and others, like mine, have quiet relays. Several suggestions were
> made to
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> > > quiet it down, but I don't recall what they were now.
> >
> > >
> >
> > > 73, Duane
> >
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> > >
> >
> > Duane Calvin, AC5AA
> >
> > > Austin, Texas
> >

> > > www.ac5aa.com
> >
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> >
> > > -----Original Message-----
> >
> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf
> >
> > > Of art davis
> >
> > > Sent: Wednesday, May 16, 2012 9:45 PM
> >
> > > To: orion565@yahoogroups.com
> >
> > > Subject: RE: [orion565] Re: cw operation. Relay clicks....Help please.
> >
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> >
> > > I need to do that mod to my amp as well, but believe it or not, this
> is a
> >
> > > reed relay, not an electromechanical kerchunker that's making all the
> >
> > > racket!
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> >
> > > To: orion565@yahoogroups.com
> >
> > > From: catfishtwo@
> >
> > > Date: Wed, 16 May 2012 21:40:48 -0400
> >
> > > Subject: Re: [orion565] Re: cw operation. Relay clicks....Help please.
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> > > used 2 small vacuum relays mounted in a rubber grommet and got rid of
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> > > the noise, and it would also now do QSK
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> > > tom N6AJR
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> > > In a message dated 5/16/2012 6:38:48 P.M. Pacific Daylight Time,
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> > > n4uc@ writes:
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> > > I would say that the only way to fix the clicks is to replace the
> relay,
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> > > but even that doesn't help. I did that and I can still hear the relay
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> > > clicking/chirping with my headphones on. Absolutely annoying!
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> > > Good luck!
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> > > Art N4UC
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> > > To: orion565@yahoogroups.com
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> > > From: barry.n1eu@
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> > > Date: Wed, 16 May 2012 10:28:49 +0000
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> > > Subject: Re: [orion565] Re: cw operation. Relay clicks....Help please.
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> > > The relay can't be disabled.
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> > > Barry N1EU
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> > > On Wed, May 16, 2012 at 9:58 AM, Zoli <pyshack@> wrote:
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> > > > Can anyone Who uses CW tell me how to disable the relay.
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> > > --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
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> > > > The relay still clicks away, even with PTT asserted. What PTT buys
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> > > > rx muting but the relay still clicks on each cw element.
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> > > > > Barry N1EU
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> > > > > On Mon, Mar 12, 2012 at 11:10 PM, Tom Berry <tberry1@> wrote:
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> > > > > > > > Well the PTT does key the rig in CW - at least on my radio. If I
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> > > > > > > > want to listen to the relay and have a long transmission then I
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> > > > > > On 3/12/2012 6:35 PM, Zoli wrote:
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> > > > > > > Thanks Barry,
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> > > > > > > I didn't think it did as i tried that earlier the relay clicks
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> > > > > > > > This must be the only radio that I cant seem to use the vox to
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> > > > > > in TX whilst making my call , the relay clicks at every dot and
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> > > > > > in QSK but not sure of the life of a relay used now and again in
> CW.
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> > > > > > > > Anyone else have a solution to the CW operation .
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> > > > > > > > The manual does not have much info about CW operation and this
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> > > > > one of the most popular cw radios about.
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> > > > > > > Regards
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> > > > > > > > Zoli M0ZOL
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> > > > > > > > Oh and just updated to the newest firmware and there is a vast
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> > > > > > > > improvement to the radio, its now quite a joy to use . What does
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> > > > > > > > , it seems to do something with the notch?
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> > > > > > > > Cheers guys for the knowledge...
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> > > > > > > > --- In orion565@yahoogroups.com, Barry N1EU<barry.n1eu@>
> wrote:
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> > > > > > > > >> The QSK Delay has no effect on the relay activation.
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> > > > > > > > >> Barry N1EU
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> > > > > > >> On Mon, Mar 12, 2012 at 3:38 AM, art davis<n4uc@> wrote:
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> > > > > > > > > >>> Try setting the QSK DELAY (in the CW menu) higher, say 10-15
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> > > > > > > > > > >>> To: orion565@yahoogroups.com
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> > > > > > >>> From: pyshack@
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> > > > > > > >>> Date: Sun, 11 Mar 2012 21:54:46 +0000
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> > > > > > > >>> Subject: [orion565] cw operation.
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> > > > > > >>> I have recently gone back to operating CW and I don't like
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8338. RE: [orion565] Re: cw operation. Relay clicks....Help please.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-18 01:23:19 UTC
From: art davis
Topic: 8013 Message: 8338

I re-installed the relay back down on the board but left the foam tape around it. Now 10M operation is OK again but the chirping is back. It must be coupling to the chassis through the leads. One day I'm going to try replacing the rigid solid leads with flexible stranded wire. True, I can operate with headphones (which I do anyway) but now it's the principle of the thing! I have operated two other Orions and I don't hear a thing from them, so I know it can be fixed.
I'm not going to let this thing beat me!
To: orion565@yahoogroups.com
From: pa1ap@...
Date: Thu, 17 May 2012 19:20:35 +0000
Subject: [orion565] Re: cw operation. Relay clicks....Help please.

Did you mount it back without space between reed relais and pcb or did you leave a tiny space between them? I guess 2mm distance between reed and pcb should not influence the 10m band? I will need to doublecheck on my unit but my unit makes little sound and I have good hearing. Regards, onno

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:

>

>

> You are correct (as usual) Onno. I actually tried off-mounting the relay about 1/2 inch above the PC board and wrapping it with foam tape which did fix the noise. But the radio was unusable on 10M due to the RF coupling of the longer leads going to the relay. But it's no real big issue, I've kinda gotten used to it as long as I use headphones which I do anyway.

>

> And thanks Duane, I was in the middle of that discussion as well but since have progressed to other things to complain about!

>

> 73 all, Art N4UC

>

> To: orion565@yahoogroups.com

> From: pa1ap@...

> Date: Thu, 17 May 2012 06:30:11 +0000

> Subject: [orion565] Re: cw operation. Relay clicks....Help please.

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> The difference might be on how close the reed relais is mounted to the pcb. Perhaps some units have the relais touching the pcb and other rigs dont. The contact would make the pcb the soundboard. It might be worthwile to check. Regards, onno

>

> --- In orion565@yahoogroups.com, "Duane Calvin" <ac5aa1@> wrote:

>

> >

>

> > Art, you might want to review some of the older posts on this same topic.

>

> > There was extensive discussion of it last year, I believe. It may have been

>

> > on the tentec reflector instead of here, but some Orion's have loud relays,

>

> > and others, like mine, have quiet relays. Several suggestions were made to

>

> > quiet it down, but I don't recall what they were now.

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> >

>

> > 73, Duane

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> > Duane Calvin, AC5AA

>

> > Austin, Texas

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> > www.ac5aa.com

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> > -----Original Message-----

>

> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf

>

> > Of art davis

>

> > Sent: Wednesday, May 16, 2012 9:45 PM

>

> > To: orion565@yahoogroups.com

>

> > Subject: RE: [orion565] Re: cw operation. Relay clicks....Help please.

>

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>

> > I need to do that mod to my amp as well, but believe it or not, this is a

>

> > reed relay, not an electromechanical kerchunker that's making all the

>

> > racket!

>

> >

>

> > To: orion565@yahoogroups.com

>

> > From: catfishtwo@

>

> > Date: Wed, 16 May 2012 21:40:48 -0400

>

> > Subject: Re: [orion565] Re: cw operation. Relay clicks....Help please.

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> > one of my friends did a fix to a alpha 76 a with a loud relay click,

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> > he

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> > used 2 small vacuum relays mounted in a rubber grommet and got rid of 99 %

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> > of

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> > the noise, and it would also now do QSK

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> > tom N6AJR

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> > In a message dated 5/16/2012 6:38:48 P.M. Pacific Daylight Time,

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> > n4uc@ writes:

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> > I would say that the only way to fix the clicks is to replace the relay,

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> > but even that doesn't help. I did that and I can still hear the relay

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> > clicking/chirping with my headphones on. Absolutely annoying!

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> > Good luck!

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> > Art N4UC

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> > To: orion565@yahoogroups.com

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>

> > From: barry.n1eu@

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> > Date: Wed, 16 May 2012 10:28:49 +0000

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> > Subject: Re: [orion565] Re: cw operation. Relay clicks....Help please.

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> > The relay can't be disabled.

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> > Barry N1EU

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> > On Wed, May 16, 2012 at 9:58 AM, Zoli <pyshack@> wrote:

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> > > Can anyone Who uses CW tell me how to disable the relay.

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> > > --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:

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> > > > The relay still clicks away, even with PTT asserted. What PTT buys you

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> > > > rx muting but the relay still clicks on each cw element.

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> > > > Barry N1EU

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> > > > On Mon, Mar 12, 2012 at 11:10 PM, Tom Berry <tberry1@> wrote:

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> > > > > Well the PTT does key the rig in CW - at least on my radio. If I

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> > > > > > want to listen to the relay and have a long transmission then I key

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> > > > > 73 Tom AA4VV

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> > > > > On 3/12/2012 6:35 PM, Zoli wrote:

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> > > > > > Thanks Barry,

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> > > > > > I didn't think it did as i tried that earlier the relay clicks are

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> > > > > > This must be the only radio that I cant seem to use the vox to keep

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> > > > > in TX whilst making my call , the relay clicks at every dot and

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> > > dash.nice

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> > > > > in QSK but not sure of the life of a relay used now and again in CW.

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> > > > > > Anyone else have a solution to the CW operation .

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> > > > > > The manual does not have much info about CW operation and this must

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> > > > > one of the most popular cw radios about.

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> > > > > > Regards

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> > > > > > Zoli M0ZOL

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> > > > > > Oh and just updated to the newest firmware and there is a vast

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> > > > > improvement to the radio, its now quite a joy to use . What does the

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> > > SAF do

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> > > > > , it seems to do something with the notch?

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> > > > > > Cheers guys for the knowledge...

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> > > > > > --- In orion565@yahoogroups.com, Barry N1EU<barry.n1eu@> wrote:

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> > > > > > >> The QSK Delay has no effect on the relay activation.

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> > > > > >> Barry N1EU

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> > > > > >> On Mon, Mar 12, 2012 at 3:38 AM, art davis<n4uc@> wrote:

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> > > > > >>> Try setting the QSK DELAY (in the CW menu) higher, say 10-15

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> > > > > > >>> To: orion565@yahoogroups.com

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> > > > > > >>> From: pyshack@

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> > > > > > >>> Date: Sun, 11 Mar 2012 21:54:46 +0000

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> > > > > >>> Subject: [orion565] cw operation.

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> > > > > >>> I have recently gone back to operating CW and I don't like the

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> > > > > > >>> clicking all the time .

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> > > > > >>> Is there any way of operation without the relay in the radio

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> > > > > >>> like in VOX operation?

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> > > > > >>> Can anyone help please.

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> > > > > >>> Thanks.

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8340. ORION II Future CPU Board?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-18 03:03:14 UTC
From: John_Tn
Topic: 8340 Message: 8340

Since Ten Tec was smart by making the Orion modular with individual circuit boards for the various functions, does anyone think ten Tec will make a new Processor board to replace the current CPU's? The current CPU runs relatively fast for the Orion but I would love to see much faster CPU's in the Orion maybe 1.5 GHz Or faster? The extra Horse Power would be a welcome upgrade providing a much faster Sweep and even better Noise Blanker, Noise Reduction and other DSP related features and with the extra DSP Horse Power the orion could even take on new DSP tasks.
John
KC2QMA

8341. RE: [orion565] ORION II Future CPU Board?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-18 12:58:14 UTC
From: George
Topic: 8340 Message: 8341

If they were thinking in this direction they would have done it some time back. I think it is what it is.

Too bad because it's a great receiver!

Oh, it also doesn't have AVC for my solid state amp!

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John_Tn
Sent: Thursday, May 17, 2012 11:03 PM
To: orion565@yahoogroups.com
Subject: [orion565] ORION II Future CPU Board?

Since Ten Tec was smart by making the Orion modular with individual circuit boards for the various functions, does anyone think ten Tec will make a new Processor board to replace the current CPU's? The current CPU runs relatively fast for the Orion but I would love to see much faster CPU's in the Orion maybe 1.5 GHz Or faster? The extra Horse Power would be a welcome upgrade providing a much faster Sweep and even better Noise Blanker, Noise Reduction and other DSP related features and with the extra DSP Horse Power the orion could even take on new DSP tasks.
John
KC2QMA

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2425/5005 - Release Date: 05/17/12

[Non-text portions of this message have been removed]

8342. RE: [orion565] ORION II Future CPU Board?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-18 13:12:48 UTC
From: George
Topic: 8340 Message: 8342

I should have said in my previous response to the TT-2 CPU speed, It doesn't have AGC to control my two solid state amps.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of George
Sent: Friday, May 18, 2012 8:58 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] ORION II Future CPU Board?

If they were thinking in this direction they would have done it some time back. I think it is what it is.

Too bad because it's a great receiver!

Oh, it also doesn't have AVC for my solid state amp!

George W2YJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of John_Tn
Sent: Thursday, May 17, 2012 11:03 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] ORION II Future CPU Board?

Since Ten Tec was smart by making the Orion modular with individual circuit boards for the various functions, does anyone think ten Tec will make a new Processor board to replace the current CPU's? The current CPU runs relatively fast for the Orion but I would love to see much faster CPU's in the Orion maybe 1.5 GHz Or faster? The extra Horse Power would be a welcome upgrade providing a much faster Sweep and even better Noise Blanker, Noise Reduction and other DSP related features and with the extra DSP Horse Power the orion could even take on new DSP tasks.
John
KC2QMA

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2425/5005 - Release Date: 05/17/12

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2425/5005 - Release Date: 05/17/12

[Non-text portions of this message have been removed]

8343. Re: [orion565] ORION II Future CPU Board?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-18 13:15:14 UTC
From: Barry N1EU
Topic: 8340 Message: 8343

ALC?

(and the ancient 565 cpu does just fine by me)

Barry N1EU

On Fri, May 18, 2012 at 1:12 PM, George <goofyham@...> wrote:

> **
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>
> I should have said in my previous response to the TT-2 CPU speed, It
> doesn't
> have AGC to control my two solid state amps.
>
>
> George W2YJ
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of George
> Sent: Friday, May 18, 2012 8:58 AM
> To: orion565@yahoogroups.com
> Subject: RE: [orion565] ORION II Future CPU Board?
>
>
> If they were thinking in this direction they would have done it some time
> back. I think it is what it is.
>
> Too bad because it's a great receiver!
>
> Oh, it also doesn't have AVC for my solid state amp!
>
> George W2YJ
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
>
> Behalf
> Of John_Tn
> Sent: Thursday, May 17, 2012 11:03 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] ORION II Future CPU Board?
>
> Since Ten Tec was smart by making the Orion modular with individual circuit
> boards for the various functions, does anyone think ten Tec will make a new
> Processor board to replace the current CPU's? The current CPU runs

> relatively fast for the Orion but I would love to see
> much faster CPU's in the Orion maybe 1.5 GHz Or faster? The extra Horse
> Power would be a welcome upgrade providing a much faster Sweep and even
> better Noise Blanker, Noise Reduction and other DSP related features and
> with the extra DSP Horse Power the orion could even take on new DSP tasks.
> John
> KC2QMA
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> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.1913 / Virus Database: 2425/5005 - Release Date: 05/17/12
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> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.1913 / Virus Database: 2425/5005 - Release Date: 05/17/12
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8344. RE: [orion565] ORION II Future CPU Board?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-18 13:29:25 UTC
From: George
Topic: 8340 Message: 8344

Thanks Berry, you are right ALC.

I called TT and asked about adding it and I was told this rig doesn’t need it??? I threw the towel in after that answer.

I guess I’ve shown my age by saying AVC, hi.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Friday, May 18, 2012 9:15 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] ORION II Future CPU Board?

ALC?

(and the ancient 565 cpu does just fine by me)

Barry N1EU

On Fri, May 18, 2012 at 1:12 PM, George <goofyham@... <mailto:goofyham%40rochester.rr.com>
> wrote:

> **
>
>
> I should have said in my previous response to the TT-2 CPU speed, It
> doesn't
> have AGC to control my two solid state amps.
>
>
> George W2YJ
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
> Of George
> Sent: Friday, May 18, 2012 8:58 AM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: RE: [orion565] ORION II Future CPU Board?
>
>
> If they were thinking in this direction they would have done it some time
> back. I think it is what it is.
>
> Too bad because it's a great receiver!
>
> Oh, it also doesn't have AVC for my solid state amp!

>
> George W2YJ
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>] On
>
> Behalf
> Of John_Tn
> Sent: Thursday, May 17, 2012 11:03 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> Subject: [orion565] ORION II Future CPU Board?
>
> Since Ten Tec was smart by making the Orion modular with individual circuit
> boards for the various functions, does anyone think ten Tec will make a new
> Processor board to replace the current CPU's? The current CPU runs
> relatively fast for the Orion but I would love to see
> much faster CPU's in the Orion maybe 1.5 GHz Or faster? The extra Horse
> Power would be a welcome upgrade providing a much faster Sweep and even
> better Noise Blanker, Noise Reduction and other DSP related features and
> with the extra DSP Horse Power the orion could even take on new DSP tasks.
> John
> KC2QMA
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> _____
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> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.1913 / Virus Database: 2425/5005 - Release Date: 05/17/12
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

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No virus found in this message.
Checked by AVG - www.avg.com

Version: 2012.0.1913 / Virus Database: 2425/5005 - Release Date: 05/17/12

[Non-text portions of this message have been removed]

8345. RE: [orion565] ORION II Future CPU Board?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-18 13:47:02 UTC
From: Martin Sole
Topic: 8340 Message: 8345

I was thinking this myself a while back, when the new sub receiver boards came out. Of course it doesn't necessarily have to be Ten-Tec. Piexx seem to have done okay making replacements for the old TS930 digital board, which has been shown to be a bit flaky. They added more features into the deal and since this was the board with all the software obviously had to write the thing themselves. Of course it would be neat to see Ten-Tec do a replacement that would bring the Orion's brain up to state of the art level, with or without a new display panel, even around $1k with the right mix of features and performance I think it could be a worthwhile upgrade.

Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John_Tn
Sent: 18 May 2012 10:03
To: orion565@yahoogroups.com
Subject: [orion565] ORION II Future CPU Board?

Since Ten Tec was smart by making the Orion modular with individual circuit boards for the various functions, does anyone think ten Tec will make a new Processor board to replace the current CPU's? The current CPU runs relatively fast for the Orion but I would love to see much faster CPU's in the Orion maybe 1.5 GHz Or faster? The extra Horse Power would be a welcome upgrade providing a much faster Sweep and even better Noise Blanker, Noise Reduction and other DSP related features and with the extra DSP Horse Power the orion could even take on new DSP tasks.
John
KC2QMA

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2176 / Virus Database: 2425/5006 - Release Date: 05/17/12

8346. Re: ORION II Future CPU Board?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-18 14:05:02 UTC
From: John_Tn
Topic: 8340 Message: 8346

Yes Martin,
The strength of the ORION is that it's modular. Unlike the other brands they use primarily one main board for the whole rig. With the Orion it should be possible to make a new CPU board with the latest Hi-Speed DSP processors at an affordable price point. my current smart phone is a Dual Core DSP running at 1 GHz! On battery power, it should be possible to make a new DSP board for the ORION II?

--- In orion565@yahoogroups.com, "Martin Sole" <hs0zed@...> wrote:
>
> I was thinking this myself a while back, when the new sub receiver boards
> came out. Of course it doesn't necessarily have to be Ten-Tec. Piexx seem to
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> Martin, HS0ZED
>
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>
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> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of John_Tn
> Sent: 18 May 2012 10:03
> To: orion565@yahoogroups.com
> Subject: [orion565] ORION II Future CPU Board?
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> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.2176 / Virus Database: 2425/5006 - Release Date: 05/17/12
>

8347. Battery 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-18 15:54:09 UTC
From: IZ4TNW
Topic: 8347 Message: 8347

Hi guys,
where i can find this battery?
http://www.tentecwiki.org/doku.php?id=565battery
many thanks
Antonio

8348. Re: [orion565] Battery 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-18 16:41:28 UTC
From: Barry N1EU
Topic: 8347 Message: 8348

It's part number 497-3686-5-ND at digikey.com

Barry N1EU

2012/5/18 IZ4TNW <iz4tnw@...>

> **
>
>
> Hi guys,
> where i can find this battery?
> http://www.tentecwiki.org/doku.php?id=565battery
> many thanks
> Antonio
>
>
>

[Non-text portions of this message have been removed]

8349. Re: [orion565] Battery 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-18 16:46:45 UTC
From: Antonio Cerati
Topic: 8347 Message: 8349

Hi Barry,
many thanks for this information
best regards

2012/5/18 Barry N1EU <barry.n1eu@...>

> **
>
>
> It's part number 497-3686-5-ND at digikey.com
>
> Barry N1EU
>
> 2012/5/18 IZ4TNW <iz4tnw@...>
>
> > **
>
> >
> >
> > Hi guys,
> > where i can find this battery?
> > http://www.tentecwiki.org/doku.php?id=565battery
> > many thanks
> > Antonio
> >
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

8350. Re: ORION II Future CPU Board?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-20 07:43:07 UTC
From: pa1ap
Topic: 8340 Message: 8350

I believe everyone would appreciate color screen and a tad faster control? I just wonder which features are missing which require a faster cpu? To my knowledge the cpu is all about control and has little to do with real time signal processing. You might be able to put in a very fast processor but for what purpose?

Which features are missing and will need higher cpu speed?

On the dsp the same applies and here a faster dsp might give room for more advanced signal processing. But again I am wondering which feature is missing?

the orion is not a portable rig. Hence chances are high a computer sits next to it. The computer provides cost effective ways for advanced signal processing as well for the fft adictives the possibility for nice panorama display.

To me the orion 565 would need an upgrade to 566 controller board and screen. Would provide good cash toward ten tec but comes at the cost of loosing new 566 business. I guess thats where the struggle occurs?

Regards, onno

--- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@...> wrote:
>
> Yes Martin,
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> >
> > Martin, HS0ZED
> >
> >
> >
> > -----Original Message-----

> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > Of John_Tn
> > Sent: 18 May 2012 10:03
> > To: orion565@yahoogroups.com
> > Subject: [orion565] ORION II Future CPU Board?
> >
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8351. Re: ORION II Future CPU Board?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-20 12:45:34 UTC
From: floydsense
Topic: 8340 Message: 8351

Hi Onno. Time to speak out regarding the Orion II and the panoramic display. While I didn't always think this way, I've learned that the best approach to a panadaptor is to use the capabilities of the PC for that processing and the display. I first learned the value of a panadaptor when I owned an Icom 781 and crude as that one was, it ran rings around the current Orion implementation. It helped that they used an analog display and so weren't limited by the resolution of a digital display. In the past few years, I've used just about every available panadaptor approach involving the PC (LP-Pan, SDR-IQ, and all flavors of related software) as well as the Elecraft P3. I've either owned or examined closely the hardware panadaptor implementations in the latest Yaesu and Icom rigs and while they're lacking in many ways, they're better than the Orion approach.

I think the best route today is for Tentec and some of these other companies to work together to their mutual advantage. The focus for Tentec and the Orion (and future offerings) should be as follows:

1. Delivering a buffered IF signal source to the rear panel to feed an external panadaptor

2. Working with panadaptor software authors/companies to get full support for the Orion included in their products

3. Driving future developments in that software

4. Educating the Orion users and explaining via diagrams and written explanations in user manuals on how to implement the panadaptor solutions.

VE7TK did an excellent job in getting #1 done, using the Clifton Laboratories buffer amp board. I'm sure that Jack Smith at Clifton wouldn't mind selling a ton more of his buffer amps. One important aspect of the buffered output approach is that it provides reverse isolation to keep spurious signals from the panadaptor hardware from getting back into the IF chain.

In regard to #2, Orion support is usually non-existent in these software products. In some cases, the reason for that is that no one has asked the authors for it! Last year I approached the SpectraVue author at Dayton about using his software and SDR-IQ with the Orion II and he said the problem is that he didn't have an Orion to work with. I immediately promised to do the testing for him and he agreed to give it a try. After I supplied him with some basic info about IF offsets, he turned around the completed code in 2 weeks. While it isn't the perfect solution yet, I have a panadaptor that runs rings around anything from any of the other companies.

On #3, all it takes is for someone to provide basic information and help when needed. For example, if I were the Tentec rep on this issue, I'd make sure that every developer of panadaptor software had in his hands the info on IF offsets, our CAT command set, and future user requirements. Most of the hardware and software for panadaptor function today is directed at the full-function SDR receivers (SDR-IQ, FlexRadio, Perseus, etc.), but there are a few (NaP3 for one) that are specific to the panadaptor function. Someone with some industry clout needs to help guide product requirements to optimize them for the

panadaptor function.

Regarding #4: If a user wants to know how to implement an external panadaptor for the Orion today and how to connect everything, he can use the very good VE7TK document and the Help info provided with SpectraVue. Not a peep from Tentec on the subject. Tentec could provide this info in a generic form, not even mentioning specific products if desired.

And finally, Tentec needs to stop the talk about a future high-speed panadaptor that's in the works for the Orion. We've been told that for the past several years and it's obvious that isn't going to happen. That's probably just as well, as there are so many other shortcomings in the Tentec panadaptor approach that few users would opt for that anyway.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
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> > > -----Original Message-----
> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > > Of John_Tn
> > > Sent: 18 May 2012 10:03
> > > To: orion565@yahoogroups.com
> > > Subject: [orion565] ORION II Future CPU Board?
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> > > Version: 2012.0.2176 / Virus Database: 2425/5006 - Release Date: 05/17/12
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8352. Re: ORION II Future CPU Board?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-20 13:06:52 UTC
From: John_Tn
Topic: 8340 Message: 8352

Hello Onno,
I was talking about the 566 ORION II not the 565. With a faster CPU the BUILT IN band scope could be able to scan at much faster rate making it much more useable. Now of course you can use an external pan adapter like the SDR IQ but having a built in pan adapter that works great should be included in the fine rig. OII 566 users will notice that when you start to enable NB, NR, AN and use both receivers simultaneously you will notice the sweep rate drops significantly. This is due to the higher load on the CPU, a fast CPU would make this issue go away. Now as far as "missing features", it's not that futures are missing in the OII it's just the exiting features would have a performance increase with a faster CPU as well as power for more advanced NB, NR & Notch algorithms. Now as far as "new" features you could add features like built in CW decode like the Jupiter has also you could add other built in digital mode decoding algorithms.
Now don't get me wrong I love my Orion II just the way it is. But keep in mind CPU Processors have dramatically increased in speed since the Orion was released. I believe the original AMD Shark processor ran at 66 MHz the latest one runs at over "1Ghz" and has two cores! Too me just like the latest RX-366 Sub-Receiver upgrade witch breathes new life into the Orion and is awesome a new DSP board would take the ORION to the next level. And this is what makes the Orion possibly the greatest stand alone transceiver made to date in that it's modular and upgrade able. And this concept gives TEN TEC a way to keep improving this product and keeping customers excited about the investment they have made.
TEN TEC is a much smaller company than the Japanese competitors and cannot keep designing new every few years like them. But to me this is to TT advantage by making the OII modular they can make new hardware upgrades and software updates greatly extending the life of the product well beyond the competition and is more profitable than trying to design and engineer a new rig every few years. It also gives them more time to develop a new product and once again raise the bar that the competitors will be trying to catch up to for years to come.

73's
John
KC2QMA

8353. RE: [orion565] Re: ORION II Future CPU Board?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-20 13:27:39 UTC
From: George
Topic: 8340 Message: 8353

Floyd;

Good observation on your part.

I'm a big spectrum scope ham. With that said.

I have the Icom IC-7600 and I think it is just great. I'd like to see my O2 do the same. With the Icoms TFT screen and LED back lightening the scope is like HD TV and instant in its response. And the 7600 was designed 4 years ago or so! Anyone for USB control Icom has it?

The Ten Tec scope thing has been batted around since I owned the original Orion (565) and it never got resolved in terms of speed

I would think the modular construction of the TT Orion series lends itself to changing out modules as new technology comes along.

A year ago I bought a Yaesu FT-5000 with their scope. Nothing more than a joke and I sold that rig 2 months later.

A few years back I owned a Elecraft K3 and added the LP-100 pan adaptor. That was great but all I wanted from the software that I was using was the scope screen and not to control the K3 from that program. I never got and answer to that and sold the K3. I still have the LP-100 and someday someone will come up with a dedicated spectrum scope only window to use with my LP-100.

I'm now looking toward the new Kenwood TS-990. We'll see how they do with their scope.

My 2 cents.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of floydsense
Sent: Sunday, May 20, 2012 8:46 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: ORION II Future CPU Board?

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> > > since this was the board with all the software obviously had to write
the
> > > thing themselves. Of course it would be neat to see Ten-Tec do a
replacement
> > > that would bring the Orion's brain up to state of the art level, with
or
> > > without a new display panel, even around $1k with the right mix of
features
> > > and performance I think it could be a worthwhile upgrade.
> > >
> > > Martin, HS0ZED
> > >
> > >
> > >
> > > -----Original Message-----
> > > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
Behalf
> > > Of John_Tn
> > > Sent: 18 May 2012 10:03
> > > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > > Subject: [orion565] ORION II Future CPU Board?
> > >
> > > Since Ten Tec was smart by making the Orion modular with individual
circuit
> > > boards for the various functions, does anyone think ten Tec will make
a new
> > > Processor board to replace the current CPU's? The current CPU runs
> > > relatively fast for the Orion but I would love to see much faster
CPU's in
> > > the Orion maybe 1.5 GHz Or faster? The extra Horse Power would be a
welcome
> > > upgrade providing a much faster Sweep and even better Noise Blanker,
Noise
> > > Reduction and other DSP related features and with the extra DSP Horse
Power
> > > the orion could even take on new DSP tasks.
> > > John
> > > KC2QMA
> > >
> > >
> > >

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> > > ------------------------------------
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> > >
> > > Yahoo! Groups Links
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> > >
> > > -----
> > > No virus found in this message.
> > > Checked by AVG - www.avg.com
> > > Version: 2012.0.2176 / Virus Database: 2425/5006 - Release Date:
05/17/12
> > >
> >
>

_____

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2425/5011 - Release Date: 05/20/12

[Non-text portions of this message have been removed]

8354. Re: ORION II Future CPU Board?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-20 15:59:25 UTC
From: floydsense
Topic: 8340 Message: 8354

George - I see you and I have been down some of the same paths. I also had an FTDX-5000 for two months. Like the Orion, the 5000 spectrum scope bore little relationship to what was being heard and the brightness - well, there wasn't any! What could they have been thinking with a 9600 bps serial link to a "real-time" scope!

73, Floyd

--- In orion565@yahoogroups.com, "George" <goofyham@...> wrote:
>
> Floyd;
>
> Good observation on your part.
>
> I'm a big spectrum scope ham. With that said.
>
> I have the Icom IC-7600 and I think it is just great. I'd like to see my O2
> do the same. With the Icoms TFT screen and LED back lightening the scope is
> like HD TV and instant in its response. And the 7600 was designed 4 years
> ago or so! Anyone for USB control Icom has it?
>
> The Ten Tec scope thing has been batted around since I owned the original
> Orion (565) and it never got resolved in terms of speed
>
> I would think the modular construction of the TT Orion series lends itself
> to changing out modules as new technology comes along.
>
> A year ago I bought a Yaesu FT-5000 with their scope. Nothing more than a
> joke and I sold that rig 2 months later.
>
> A few years back I owned a Elecraft K3 and added the LP-100 pan adaptor.
> That was great but all I wanted from the software that I was using was the
> scope screen and not to control the K3 from that program. I never got and
> answer to that and sold the K3. I still have the LP-100 and someday someone
> will come up with a dedicated spectrum scope only window to use with my
> LP-100.
>
> I'm now looking toward the new Kenwood TS-990. We'll see how they do with
> their scope.
>
> My 2 cents.
>
> George W2YJ
>
>
>

8355. Re: ORION II Future CPU Board?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-20 17:18:14 UTC
From: pa1ap
Topic: 8340 Message: 8355

Makes sense and its a good discussion to have!

Floyd, John, George; all good arguments and something to put into our wish list towards TT. So far I have seen TT responding positive towards customer feedback. The new firmware and new sub rx is a very good step forward and extended the lifecycle again.

I would be happy to see and affordable 565 to 566 upgrade path.

Best regards, Onno

--- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@...> wrote:
>
> Hello Onno,
> I was talking about the 566 ORION II not the 565. With a faster CPU the BUILT IN band scope could be able to scan at much faster rate making it much more useable. Now of course you can use an external pan adapter like the SDR IQ but having a built in pan adapter that works great should be included in the fine rig. OII 566 users will notice that when you start to enable NB, NR, AN and use both receivers simultaneously you will notice the sweep rate drops significantly. This is due to the higher load on the CPU, a fast CPU would make this issue go away. Now as far as "missing features", it's not that futures are missing in the OII it's just the exiting features would have a performance increase with a faster CPU as well as power for more advanced NB, NR & Notch algorithms. Now as far as "new" features you could add features like built in CW decode like the Jupiter has also you could add other built in digital mode decoding algorithms.
> Now don't get me wrong I love my Orion II just the way it is. But keep in mind CPU Processors have dramatically increased in speed since the Orion was released. I believe the original AMD Shark processor ran at 66 MHz the latest one runs at over "1Ghz" and has two cores! Too me just like the latest RX-366 Sub-Receiver upgrade witch breathes new life into the Orion and is awesome a new DSP board would take the ORION to the next level. And this is what makes the Orion possibly the greatest stand alone transceiver made to date in that it's modular and upgrade able. And this concept gives TEN TEC a way to keep improving this product and keeping customers excited about the investment they have made.
> TEN TEC is a much smaller company than the Japanese competitors and cannot keep designing new every few years like them. But to me this is to TT advantage by making the OII modular they can make new hardware upgrades and software updates greatly extending the life of the product well beyond the competition and is more profitable than trying to design and engineer a new rig every few years. It also gives them more time to develop a new product and once again raise the bar that the competitors will be trying to catch up to for years to come.
>
> 73's
> John
> KC2QMA
>

8356. Re: ORION II Future CPU Board?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-20 20:33:26 UTC
From: floydsense
Topic: 8340 Message: 8356

John - I don't believe that a faster sweep rate even begins to address the problem. The PC-based panadaptor applications today allow you to adjust the FFT parameters so the spectrum display can be tailored to a specific mode or application. This includes: FFT blocksize (may have that term wrong) - higher values provide higher frequency resolution, but also slows down the sweep; FFT averaging (higher values produce a more stable sweep, but with some loss of detail); FFT smoothing (smooths waveforms so SSB is more recognizable). You need knobs (or the software equivalent) to be able to adjust all of those quickly. You also need to be able to quickly set the span (a menu item doesn't cut it) and the span needs to be adjustable down to 1 KHz or so, so small details can be observed. And - a waterfall display is also very useful in spotting weak signals that otherwise might escape notice.

All these things and more are available today in software like SpectraVue for the SDR-IQ. But the SpectraVue screen is cluttered with a lot of other stuff that has no meaning with a panadaptor. It would be really nice if Tentec offered panadaptor software that worked with SDR-IQ or LP-Pan and completely supported the Orion II. It wouldn't take much to improve on what's there already and then you'd have a really first-class panadaptor.

FlexRadio is the only company that fully understands what's needed in a spectrum display but they're clueless in most other areas.

The Elecraft P3 is an excellent hardware panadaptor, but unfortunately is limited by the screen size. Some Orion II owners are using the P3 with the Orion - Elecraft had the foresight to build in the flexibility to handle other IF frequencies. So, Orion owners can improve their transceiver by adding a piece of Elecraft hardware - not something I'd want to see happening if I were a Tentec product planner.

73, K8AC

--- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@...> wrote:
>
> Hello Onno,
> I was talking about the 566 ORION II not the 565. With a faster CPU the BUILT IN band scope could be able to scan at much faster rate making it much more useable. Now of course you can use an external pan adapter like the SDR IQ but having a built in pan adapter that works great should be included in the fine rig. OII 566 users will notice that when you start to enable NB, NR, AN and use both receivers simultaneously you will notice the sweep rate drops significantly. This is due to the higher load on the CPU, a fast CPU would make this issue go away. Now as far as "missing features", it's not that futures are missing in the OII it's just the exiting features would have a performance increase with a faster CPU as well as power for more advanced NB, NR & Notch algorithms. Now as far as "new" features you could add features like built in CW decode like the Jupiter has also you could add other built in digital mode decoding algorithms.
> Now don't get me wrong I love my Orion II just the way it is. But keep in mind CPU Processors have dramatically increased in speed since the Orion was released. I believe the original AMD Shark processor ran at 66 MHz the latest one runs at over "1Ghz" and has two

cores! Too me just like the latest RX-366 Sub-Receiver upgrade witch breathes new life into the Orion and is awesome a new DSP board would take the ORION to the next level. And this is what makes the Orion possibly the greatest stand alone transceiver made to date in that it's modular and upgrade able. And this concept gives TEN TEC a way to keep improving this product and keeping customers excited about the investment they have made.
> TEN TEC is a much smaller company than the Japanese competitors and cannot keep designing new every few years like them. But to me this is to TT advantage by making the OII modular they can make new hardware upgrades and software updates greatly extending the life of the product well beyond the competition and is more profitable than trying to design and engineer a new rig every few years. It also gives them more time to develop a new product and once again raise the bar that the competitors will be trying to catch up to for years to come.
>
> 73's
> John
> KC2QMA
>

8357. Re: ORION II Future CPU/DSP Board?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-20 20:44:26 UTC
From: John_Tn
Topic: 8340 Message: 8357

Floyd,
Of course if you connect an EXTERNAL COMPUTER running at upwards of 3.2Ghz with multiple cores like Intel I3, I5 and I7 processor the pan adapter is going to be great and chock full of features like click and tune at that point you might as well buy a FLEX radio, but that's not the point. The idea is to make the ORION II better on its own! Without an EXTERNAL COMPUTER and this can be done by improving the CPU Power as well as other future improvements.

73's
John
KC2QMA

--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
>
>
> John - I don't believe that a faster sweep rate even begins to address the problem. The PC-based panadaptor applications today allow you to adjust the FFT parameters so the spectrum display can be tailored to a specific mode or application. This includes: FFT blocksize (may have that term wrong) - higher values provide higher frequency resolution, but also slows down the sweep; FFT averaging (higher values produce a more stable sweep, but with some loss of detail); FFT smoothing (smooths waveforms so SSB is more recognizable). You need knobs (or the software equivalent) to be able to adjust all of those quickly. You also need to be able to quickly set the span (a menu item doesn't cut it) and the span needs to be adjustable down to 1 KHz or so, so small details can be observed. And - a waterfall display is also very useful in spotting weak signals that otherwise might escape notice.
>
> All these things and more are available today in software like SpectraVue for the SDR-IQ. But the SpectraVue screen is cluttered with a lot of other stuff that has no meaning with a panadaptor. It would be really nice if Tentec offered panadaptor software that worked with SDR-IQ or LP-Pan and completely supported the Orion II. It wouldn't take much to improve on what's there already and then you'd have a really first-class panadaptor.
>
> FlexRadio is the only company that fully understands what's needed in a spectrum display but they're clueless in most other areas.
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> The Elecraft P3 is an excellent hardware panadaptor, but unfortunately is limited by the screen size. Some Orion II owners are using the P3 with the Orion - Elecraft had the foresight to build in the flexibility to handle other IF frequencies. So, Orion owners can improve their transceiver by adding a piece of Elecraft hardware - not something I'd want to see happening if I were a Tentec product planner.
>
> 73, K8AC
>

>
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> --- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@> wrote:
> >
> > Hello Onno,
> > I was talking about the 566 ORION II not the 565. With a faster CPU the BUILT IN band scope could be able to scan at much faster rate making it much more useable. Now of course you can use an external pan adapter like the SDR IQ but having a built in pan adapter that works great should be included in the fine rig. OII 566 users will notice that when you start to enable NB, NR, AN and use both receivers simultaneously you will notice the sweep rate drops significantly. This is due to the higher load on the CPU, a fast CPU would make this issue go away. Now as far as "missing features", it's not that futures are missing in the OII it's just the exiting features would have a performance increase with a faster CPU as well as power for more advanced NB, NR & Notch algorithms. Now as far as "new" features you could add features like built in CW decode like the Jupiter has also you could add other built in digital mode decoding algorithms.
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> > TEN TEC is a much smaller company than the Japanese competitors and cannot keep designing new every few years like them. But to me this is to TT advantage by making the OII modular they can make new hardware upgrades and software updates greatly extending the life of the product well beyond the competition and is more profitable than trying to design and engineer a new rig every few years. It also gives them more time to develop a new product and once again raise the bar that the competitors will be trying to catch up to for years to come.
> >
> > 73's
> > John
> > KC2QMA
> >
>

8358. Re: ORION II Future CPU/DSP Board?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-21 11:33:54 UTC
From: floydsense
Topic: 8340 Message: 8358

But, that would be extreme PC overkill for a complete suite of panadaptor functions. I use a several year old dual core Pentium with nowhere near that power and it all works flawlessly. I don't agree that the idea is to make the Orion II better on its own. I wouldn't spend another dollar on Orion II upgrades just to bring the box up to the level it is with my current software and PC. If I'm from Tentec, the idea would be to make money on hardware and if I could sell more by exploiting software already in the marketplace and PCs that are already in the shacks, that's the direction I'd take.

Even with more CPU horsepower in the Orion, you'd be left with a display that doesn't have enough real estate for a good panadaptor and without the resolution or color capabilities that the PC monitor offers. It may be possible to come up to the level of an Icom transceiver, but anyone wanting a high performance transceiver with good panadaptor would likely still go the Elecraft route.

Elecraft is an interesting example when looking at panadaptors, since those who are happy with a high-function but small screen can go with the P3, while those who want more can use a PC via an LP-Pan. Even there, note that the all-hardware P3 costs 2-3 times what the PC approach costs.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@...> wrote:
>
> Floyd,
> Of course if you connect an EXTERNAL COMPUTER running at upwards of 3.2Ghz with multiple cores like Intel I3, I5 and I7 processor the pan adapter is going to be great and chock full of features like click and tune at that point you might as well buy a FLEX radio, but that's not the point. The idea is to make the ORION II better on its own! Without an EXTERNAL COMPUTER and this can be done by improving the CPU Power as well as other future improvements.
>
> 73's
> John
> KC2QMA
>

8359. Re: ORION II Future CPU/DSP Board?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-21 12:57:47 UTC
From: John_Tn
Topic: 8340 Message: 8359

Floyd: This is about improving the ORION II. Yes if you get a PC or a MAC there is all sorts of great things you can do and the FLEX Radio System is a great example of that. However this is not a conversation about that using a PC or MAC. Again this post is not about hooking a computer to the rig it's about making improvements to the ORION on its own without an external computer. And also improving the ORION's pan adapter is just one of the improvements we are talking about here.
I love my OII just like many other owners and because of Ten Tec's modular design philosophy it IS possible to continue to make improvements and by the way a new CPU/DSP board is "hardware" and TT would make money selling it. In fact they actually will make more money selling option/upgrade hardware rather than having to come up with a whole new rig every 2 or 3 years. You know (Design, Engineer, write new Software, design a new case, make the new case, apply for new patents, get FCC approval ect ect etc you get the idea.) Again what makes the ORION and other TT products great is its ability to be upgraded, greatly extending the life cycle of the product line well beyond the competition.
I you like using a computer for HF radio there is nothing wrong with that. There are many options out there today and PC based HF radio is one of them.

73
John
KC2QMA
--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
>
>
>
> But, that would be extreme PC overkill for a complete suite of panadaptor functions. I use a several year old dual core Pentium with nowhere near that power and it all works flawlessly. I don't agree that the idea is to make the Orion II better on its own. I wouldn't spend another dollar on Orion II upgrades just to bring the box up to the level it is with my current software and PC. If I'm from Tentec, the idea would be to make money on hardware and if I could sell more by exploiting software already in the marketplace and PCs that are already in the shacks, that's the direction I'd take.
>
> Even with more CPU horsepower in the Orion, you'd be left with a display that doesn't have enough real estate for a good panadaptor and without the resolution or color capabilities that the PC monitor offers. It may be possible to come up to the level of an Icom transceiver, but anyone wanting a high performance transceiver with good panadaptor would likely still go the Elecraft route.
>
> Elecraft is an interesting example when looking at panadaptors, since those who are happy with a high-function but small screen can go with the P3, while those who want more can use a PC via an LP-Pan. Even there, note that the all-hardware P3 costs 2-3 times what the PC approach costs.
>
> 73, Floyd - K8AC
>
> --- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@> wrote:

> >
> > Floyd,
> > Of course if you connect an EXTERNAL COMPUTER running at upwards of 3.2Ghz with multiple cores like Intel I3, I5 and I7 processor the pan adapter is going to be great and chock full of features like click and tune at that point you might as well buy a FLEX radio, but that's not the point. The idea is to make the ORION II better on its own! Without an EXTERNAL COMPUTER and this can be done by improving the CPU Power as well as other future improvements.
> >
> > 73's
> > John
> > KC2QMA
> >
>

8360. Re: ORION II Future CPU/DSP Board?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-21 20:58:02 UTC
From: floydsense
Topic: 8340 Message: 8360

My apologies for apparently hijacking this thread. I was simply trying to broaden the thinking, but I should have known better. It won't happen again.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@...> wrote:
>
> Floyd: This is about improving the ORION II. Yes if you get a PC or a MAC there is all sorts of great things you can do and the FLEX Radio System is a great example of that. However this is not a conversation about that using a PC or MAC. Again this post is not about hooking a computer to the rig it's about making improvements to the ORION on its own without an external computer. And also improving the ORION's pan adapter is just one of the improvements we are talking about here.
> I love my OII just like many other owners and because of Ten Tec's modular design philosophy it IS possible to continue to make improvements and by the way a new CPU/DSP board is "hardware" and TT would make money selling it. In fact they actually will make more money selling option/upgrade hardware rather than having to come up with a whole new rig every 2 or 3 years. You know (Design, Engineer, write new Software, design a new case, make the new case, apply for new patents, get FCC approval ect ect etc you get the idea.) Again what makes the ORION and other TT products great is its ability to be upgraded, greatly extending the life cycle of the product line well beyond the competition.
> I you like using a computer for HF radio there is nothing wrong with that. There are many options out there today and PC based HF radio is one of them.
>
> 73
> John
> KC2QMA
> --- In orion565@yahoogroups.com, "floydsense" <floyd@> wrote:

8361. Re: ORION II Future CPU/DSP Board?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-22 23:22:39 UTC
From: John_Tn
Topic: 8340 Message: 8361

> Since Ten Tec was smart by making the Orion modular with individual circuit
> boards for the various functions, does anyone think ten Tec will make a new
> Processor board to replace the current CPU's? The current CPU runs
> relatively fast for the Orion but I would love to see much faster CPU's in
> the Orion maybe 1.5 GHz Or faster? The extra Horse Power would be a welcome
> upgrade providing a much faster Sweep and even better Noise Blanker, Noise
> Reduction and other DSP related features and with the extra DSP Horse Power
> the orion could even take on new DSP tasks.
>What do you think? Upgrades for Orion II or New Ten Tec Model?
> John
> KC2QMA

--- In orion565@yahoogroups.com, "Martin Sole" <hs0zed@...> wrote:
>
> I was thinking this myself a while back, when the new sub receiver boards
> came out. Of course it doesn't necessarily have to be Ten-Tec. Piexx seem to
> have done okay making replacements for the old TS930 digital board, which
> has been shown to be a bit flaky. They added more features into the deal and
> since this was the board with all the software obviously had to write the
> thing themselves. Of course it would be neat to see Ten-Tec do a replacement
> that would bring the Orion's brain up to state of the art level, with or
> without a new display panel, even around $1k with the right mix of features
> and performance I think it could be a worthwhile upgrade.
>
> Martin, HS0ZED

8362. thin line across display

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-24 03:36:46 UTC
From: art davis
Topic: 8362 Message: 8362

All of a sudden my display has developed a very thin but noticeable line across the screen about halfway up. It is not visible against the white background, but it does take a slice out of every character it crosses (but doesn't affect the vertical lines outlining the screen. It is really of no consequence, but I'm just wondering if it might be a firmware issue (running v. 3.030) or a hardware problem.

Thanks, Art N4UC

[Non-text portions of this message have been removed]

8363. Re: thin line across display

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-24 05:25:15 UTC
From: pa1ap
Topic: 8362 Message: 8363

Hi Art,

If you press and hold the menu button the firmware screen will start. Does the line remain? can you upload a picture of the screen with line? whats the behavior of the line? is it there right away and even during the power on boot sequence of the orion? Or does it appear after minutes/ hours?

Best regards, onno

--- In orion565@yahoogroups.com, art davis <n4uc@...> wrote:
>
>
> All of a sudden my display has developed a very thin but noticeable line across the screen about halfway up. It is not visible against the white background, but it does take a slice out of every character it crosses (but doesn't affect the vertical lines outlining the screen. It is really of no consequence, but I'm just wondering if it might be a firmware issue (running v. 3.030) or a hardware problem.
>
> Thanks, Art N4UC
>
>
> [Non-text portions of this message have been removed]
>

8364. Re: thin line across display

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-24 05:26:40 UTC
From: pa1ap
Topic: 8362 Message: 8364

Sorry I should have included: alternating white on black within the sequence.
--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Hi Art,
>
> If you press and hold the menu button the firmware screen will start. Does the line remain? can you upload a picture of the screen with line? whats the behavior of the line? is it there right away and even during the power on boot sequence of the orion? Or does it appear after minutes/ hours?
>
> Best regards, onno
>
>
>
> --- In orion565@yahoogroups.com, art davis <n4uc@> wrote:
> >
> >
> > All of a sudden my display has developed a very thin but noticeable line across the screen about halfway up. It is not visible against the white background, but it does take a slice out of every character it crosses (but doesn't affect the vertical lines outlining the screen. It is really of no consequence, but I'm just wondering if it might be a firmware issue (running v. 3.030) or a hardware problem.
> >
> > Thanks, Art N4UC
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

8365. RE: [orion565] Re: thin line across display

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-25 02:30:41 UTC
From: art davis
Topic: 8362 Message: 8365

Hello Onno.

The line is very thin, about the same as the horizontal lines around the screen separating the pushbutton sections. It is there from the very start of boot-up and doesn't change in any way regardless of the time the rig is powered on. It is there when MENU button is held down to start the firmware screen. If this description is not sufficient I will gladly take a picture and send it along.

I haven't tried loading different version firmware because it sounds like a hardware problem rather than software. Do you agree?

73, Art

To: orion565@yahoogroups.com
From: pa1ap@nextchallenge.net
Date: Thu, 24 May 2012 05:26:40 +0000
Subject: [orion565] Re: thin line across display

Sorry I should have included: alternating white on black within the sequence.

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:

>

> Hi Art,

>

> If you press and hold the menu button the firmware screen will start. Does the line remain? can you upload a picture of the screen with line? whats the behavior of the line? is it there right away and even during the power on boot sequence of the orion? Or does it appear after minutes/ hours?

>

> Best regards, onno

>

>

>

> --- In orion565@yahoogroups.com, art davis <n4uc@> wrote:

> >

> >

> > All of a sudden my display has developed a very thin but noticeable line across the screen about halfway up. It is not visible against the white background, but it does take a slice out of every character it crosses (but doesn't affect the vertical lines outlining the screen. It is really of no consequence, but I'm just wondering if it might be a firmware issue (running v. 3.030) or a hardware problem.

> >

> > Thanks, Art N4UC

> >

> >

> > [Non-text portions of this message have been removed]

> >

>

[Non-text portions of this message have been removed]

8366. NB on 566

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-25 14:13:42 UTC
From: George
Topic: 8366 Message: 8366

I had occasion to experience the apparent Radar pop up on 18074.0 when trying to work the DX station A5A with my Orion-2.
I kicked in the NB and HW NB on the Orion-2 with disappointing results.
I fired up my Icom IC-7600 and my Kenwood TS-590 and tried their NB's and both did a much better job on the Radar.
I called my friend and he fired up his Yaesu FT1000MP and his rig also did a better job with that Radar signal???
Does my O2 have a problem?
Go to 18074.0 and listen to the sweet sound of an apparent Radar signal. It clears up at about 18085.0 but is still discernible in the background.
Good use of the ham bands!
George W2YJ

8367. RE: [orion565] NB on 566

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-25 17:37:30 UTC
From: John Morris
Topic: 8366 Message: 8367

George, from my experience, I would say that ALL o2's have a problem. I consider my o2's noise blankers to be totally worthless.

73, John, W4GD

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of George
Sent: Friday, May 25, 2012 10:14 AM
To: orion565@yahoogroups.com
Subject: [orion565] NB on 566

I had occasion to experience the apparent Radar pop up on 18074.0 when trying to work the DX station A5A with my Orion-2.
I kicked in the NB and HW NB on the Orion-2 with disappointing results.
I fired up my Icom IC-7600 and my Kenwood TS-590 and tried their NB's and both did a much better job on the Radar.
I called my friend and he fired up his Yaesu FT1000MP and his rig also did a better job with that Radar signal???
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Good use of the ham bands!
George W2YJ

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2176 / Virus Database: 2425/5021 - Release Date: 05/25/12

8368. Re: [orion565] NB on 566

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-25 22:10:05 UTC
From: Richard
Topic: 8366 Message: 8368

They should use the blanker that was in the Triton IV. Best one I have used.

C. Richard Pumphrey

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On May 25, 2012, at 1:37 PM, "John Morris" <w4gd@bellsouth.net> wrote:

> George, from my experience, I would say that ALL o2's have a problem. I
> consider my o2's noise blankers to be totally worthless.
>
> 73, John, W4GD
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of George
> Sent: Friday, May 25, 2012 10:14 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] NB on 566
>
> I had occasion to experience the apparent Radar pop up on 18074.0 when
> trying to work the DX station A5A with my Orion-2.
> I kicked in the NB and HW NB on the Orion-2 with disappointing results.
> I fired up my Icom IC-7600 and my Kenwood TS-590 and tried their NB's and
> both did a much better job on the Radar.
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> Go to 18074.0 and listen to the sweet sound of an apparent Radar signal. It
> clears up at about 18085.0 but is still discernible in the background.
> Good use of the ham bands!
> George W2YJ
>
> ------------------------------------
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> Yahoo! Groups Links
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> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.2176 / Virus Database: 2425/5021 - Release Date: 05/25/12
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[Non-text portions of this message have been removed]

8369. Re: NB on 566

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-25 22:17:40 UTC
From: John_Tn
Topic: 8366 Message: 8369

Hello Richard, will you be on the repeter toninght?
It's funny i found the NB to be fairly good since the 3.0 update? I found useing the HW blanker for some noise works better than the DSP, But the DSP blanker works well on other noises?
When you press and hold the NB button it switches between the two modes. I never owned a triton but the orion is definatly better than my FT-2000's Noise Blanker.

John
KC2QMA
--- In orion565@yahoogroups.com, Richard <wn9ddv@...> wrote:
>
> They should use the blanker that was in the Triton IV. Best one I have used.
>
> C. Richard Pumphrey
>
> NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.
>
>
>
> On May 25, 2012, at 1:37 PM, "John Morris" <w4gd@...> wrote:
>
> > George, from my experience, I would say that ALL o2's have a problem. I
> > consider my o2's noise blankers to be totally worthless.
> >
> > 73, John, W4GD
> >
> > -----Original Message-----
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > Of George
> > Sent: Friday, May 25, 2012 10:14 AM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] NB on 566
> >
> > I had occasion to experience the apparent Radar pop up on 18074.0 when
> > trying to work the DX station A5A with my Orion-2.
> > I kicked in the NB and HW NB on the Orion-2 with disappointing results.
> > I fired up my Icom IC-7600 and my Kenwood TS-590 and tried their NB's and
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> > I called my friend and he fired up his Yaesu FT1000MP and his rig also did a
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> > clears up at about 18085.0 but is still discernible in the background.
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8370. Re: [orion565] Re: NB on 566

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-25 22:33:43 UTC
From: Richard
Topic: 8366 Message: 8370

Which repeater? Fortunately I have little noise at this QTH. I have not updated mine. I need to have update!

C. Richard Pumphrey

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On May 25, 2012, at 6:17 PM, "John_Tn" <john-m-junk@...> wrote:

> Hello Richard, will you be on the repeter toninght?
> It's funny i found the NB to be fairly good since the 3.0 update? I found useing the HW blanker for some noise works better than the DSP, But the DSP blanker works well on other noises?
> When you press and hold the NB button it switches between the two modes. I never owned a triton but the orion is definatly better than my FT-2000's Noise Blanker.
>
> John
> KC2QMA
> --- In orion565@yahoogroups.com, Richard <wn9ddv@...> wrote:
> >
> > They should use the blanker that was in the Triton IV. Best one I have used.
> >
> > C. Richard Pumphrey
> >
> > NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.
> >
> >
> >
> > On May 25, 2012, at 1:37 PM, "John Morris" <w4gd@...> wrote:
> >
> > > George, from my experience, I would say that ALL o2's have a problem. I
> > > consider my o2's noise blankers to be totally worthless.
> > >
> > > 73, John, W4GD
> > >
> > > -----Original Message-----
> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > > Of George
> > > Sent: Friday, May 25, 2012 10:14 AM
> > > To: orion565@yahoogroups.com

> > > Subject: [orion565] NB on 566
> > >
> > > I had occasion to experience the apparent Radar pop up on 18074.0 when
> > > trying to work the DX station A5A with my Orion-2.
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> > > George W2YJ
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8372. Re: [orion565] Re: NB on 566

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-25 22:47:28 UTC
From: Richard
Topic: 8366 Message: 8372

Of when in Nashville I get on the WB4NTM repeater. 4.67? I live in Knoxville.

C. Richard Pumphrey

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On May 25, 2012, at 6:43 PM, "John_Tn" <john-m-junk@comcast.net> wrote:

> You told me that you are on one of the 2M repeters in nashville a while back but i dont remeber witch one.
> the 3.0 Update is great and i have no problems with it at all even useing it with HRD.
> I did the update in 10 Mins. I just followed the instructions to the letter and it was a snap!
>
> John
> KC2QMA
>
> --- In orion565@yahoogroups.com, Richard <wn9ddv@...> wrote:
> >
> > Which repeater? Fortunately I have little noise at this QTH. I have not updated mine. I need to have update!
> >
> > C. Richard Pumphrey
> >
> > NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.
> >
> >
> >
> > On May 25, 2012, at 6:17 PM, "John_Tn" <john-m-junk@...> wrote:
> >
> > > Hello Richard, will you be on the repeter toninght?
> > > It's funny i found the NB to be fairly good since the 3.0 update? I found useing the HW blanker for some noise works better than the DSP, But the DSP blanker works well on other noises?
> > > When you press and hold the NB button it switches between the two modes. I never owned a triton but the orion is definatly better than my FT-2000's Noise Blanker.
> > >
> > > John
> > > KC2QMA
> > > --- In orion565@yahoogroups.com, Richard <wn9ddv@> wrote:

> > > >
> > > > They should use the blanker that was in the Triton IV. Best one I have used.
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> > > >
> > > >
> > > >
> > > > On May 25, 2012, at 1:37 PM, "John Morris" <w4gd@> wrote:
> > > >
> > > > > George, from my experience, I would say that ALL o2's have a problem. I
> > > > > consider my o2's noise blankers to be totally worthless.
> > > > >
> > > > > 73, John, W4GD
> > > > >
> > > > > -----Original Message-----
> > > > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > > > > Of George
> > > > > Sent: Friday, May 25, 2012 10:14 AM
> > > > > To: orion565@yahoogroups.com
> > > > > Subject: [orion565] NB on 566
> > > > >
> > > > > I had occasion to experience the apparent Radar pop up on 18074.0 when
> > > > > trying to work the DX station A5A with my Orion-2.
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> > > > > Good use of the ham bands!
> > > > > George W2YJ
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> > > > > Yahoo! Groups Links
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8373. Re: NB on 566

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-26 19:00:58 UTC
From: k7fd
Topic: 8366 Message: 8373

In defense of the Orion II NB, I find setting 5:H knocks out bothersome noise generated by my neighbor's TV...works great!

73 John K7FD

8374. Orion II...connecting to Ameritron AL811H... ?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-28 19:50:41 UTC
From: k7fd
Topic: 8374 Message: 8374

Anything I need to watch out for when using an AL811H with my Orion II? It is not a QSK amp but will it still work OK?

Thanks, John K7FD

8375. AL811H and Orion II : success!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-29 02:21:49 UTC
From: k7fd
Topic: 8375 Message: 8375

Tnx for responses...I hooked up amp this afternoon and all is OK...
50 w drive shows 475 w out...

Will use amp on SSB only, always use 100 w or less on cw...

73 John K7FD

8376. Should I leave internal tuner off when running amp?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-29 02:30:44 UTC
From: k7fd
Topic: 8376 Message: 8376

Forgot to ask if the Orion II internal tuner should be on or off while running the amp?
The manual says to turn it off to tune amp but doesn't say whether to turn it back on...

Any suggestions?

Tnx, John K7FD

8377. Re: [orion565] Should I leave internal tuner off when running amp?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-29 02:40:35 UTC
From: N9ETD@AOL.COM
Topic: 8376 Message: 8377

Leave the tuner off John. The amp has a tuned input anyway, and the tuner will constantly try to adjust more than likely if left on while running the amp.

73, Craig N9ETD

[Non-text portions of this message have been removed]

8378. Re: [orion565] Should I leave internal tuner off when running amp?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-29 02:55:44 UTC
From: K7FD
Topic: 8376 Message: 8378

Will do! Off it is...

Sent from my iPad

On May 28, 2012, at 7:40 PM, N9ETD@... wrote:

> Leave the tuner off John. The amp has a tuned input anyway, and the tuner
> will constantly try to adjust more than likely if left on while running the
> amp.
>
> 73, Craig N9ETD
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

8379. RE: [orion565] Should I leave internal tuner off when running amp?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-29 02:52:38 UTC
From: Duane Calvin
Topic: 8376 Message: 8379

Tuner should be off when running an amp.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of k7fd
Sent: Monday, May 28, 2012 9:31 PM
To: orion565@yahoogroups.com
Subject: [orion565] Should I leave internal tuner off when running amp?

Forgot to ask if the Orion II internal tuner should be on or off while running the amp?
The manual says to turn it off to tune amp but doesn't say whether to turn it back on...

Any suggestions?

Tnx, John K7FD

Yahoo! Groups Links

8380. RE: [orion565] Orion II...connecting to Ameritron AL811H... ?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-29 03:39:22 UTC
From: Andrew B. Steen
Topic: 8374 Message: 8380

John.

I ran an 811H with my OII for years until just recently when I replaced it with the ALS1300.

I had no issues at all, but keep your drive at 75 watts or below, as you have no ALC to the amp.

I was getting about 800-850 watts PEP no problem. Very reliable amp.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of k7fd
Sent: Monday, May 28, 2012 12:51 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion II...connecting to Ameritron AL811H... ?

Anything I need to watch out for when using an AL811H with my Orion II? It is not a QSK amp but will it still work OK?

Thanks, John K7FD

[Non-text portions of this message have been removed]

8381. Re: [orion565] Orion II...connecting to Ameritron AL811H... ?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-29 03:52:49 UTC
From: K7FD
Topic: 8374 Message: 8381

Tnx for the tip; I usually keep drive around 50 w...

Was using amp on IC756ProII but selling it...since rx is no match for O2...

John K7FD

On May 28, 2012, at 8:39 PM, "Andrew B. Steen" <n2gff@...> wrote:

> John.
>
> I ran an 811H with my OII for years until just recently when I replaced it
> with the ALS1300.
>
> I had no issues at all, but keep your drive at 75 watts or below, as you
> have no ALC to the amp.
>
> I was getting about 800-850 watts PEP no problem. Very reliable amp.
>
> Andrew
>
> K6STN
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of k7fd
> Sent: Monday, May 28, 2012 12:51 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Orion II...connecting to Ameritron AL811H... ?
>
> Anything I need to watch out for when using an AL811H with my Orion II? It
> is not a QSK amp but will it still work OK?
>
> Thanks, John K7FD
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

8382. RFI in headphones

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-29 18:17:32 UTC
From: obeegin
Topic: 2919 Message: 8382

Hello to the group. I just got a used Orion II built in 2005.
I'm having a few issues and have some questions.

First and most important is RFI in my headphones.
It really makes CW impossible with headphones... not cool!
I'm getting a STRONG Buzz/Humm when using CW. I have not
noticed it with SSB but haven't really done much voice.
This is what I've noted so far:
- it does not occur with the speaker on the rig
- hooked up my Eagle to the same coax line and it does not occur
- the worst on 40 mtrs but still there on all bands
- tried changing the coax length with no change
- it is worse on my vertical antenna but still heard on my OCFD
- I am using Senheiser, Yamaha, Klipsch phones - all similar results

I looked this problem up on this forum and others and there was a "board"
added to deal with similar issues, as far as I can understand.
I called Ten-Tec and asked about the "board" they said that was a
"different" issue than this.
This was their take.
- it could be an inadequate power supply
I'm using an Alinco DM-330MVT
- poor shielding of the headphones
- I asked if Ten-Tec phones would work better and they said probably not

So I will try some ferrite beads and hope that works.
Any other ideas. I have days to wait for beads to come to my rural QTH.

73
Stan AE7UT

8383. Re: [orion565] RFI in headphones

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-29 20:26:50 UTC
From: TroyW6HV
Topic: 2919 Message: 8383

Stan,
I replaced my headphone's cable with shielded microphone cable and it cured mine. I use Kenwood HS-5.
Good luck,
Troy, W6HV

-----Original Message-----
From: obeegin
Sent: Tuesday, May 29, 2012 11:17 AM
To: orion565@yahoogroups.com
Subject: [orion565] RFI in headphones

Hello to the group. I just got a used Orion II built in 2005.
I'm having a few issues and have some questions.

First and most important is RFI in my headphones.
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This was their take.
- it could be an inadequate power supply
I'm using an Alinco DM-330MVT
- poor shielding of the headphones
- I asked if Ten-Tec phones would work better and they said probably not

So I will try some ferrite beads and hope that works.
Any other ideas. I have days to wait for beads to come to my rural QTH.

73
Stan AE7UT

Yahoo! Groups Links

8384. Re: RFI in headphones

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-29 21:22:34 UTC
From: pa1ap
Topic: 2919 Message: 8384

Interesting challenge and I hope you can resolve it soon. The beads are often the cure for most rfi issues.

I recently homebrewed a ground tuner which deflects any rf in the shack to a radial in the shack. I am at second floor and rf ground is a challenge. It cured rfi around me in the shack.if the beads dont solve it this might be a direction to investigate.

I am surprised though the headphones are so sensitive to rfi. Often rfi occurs with microphones and such like. No rfi on the mic signal? The headphone modification includes two resistors to increase the headphone impedance. This to minimize the noise. There is a headphone service update provided on tentec website.

Best regards, onno

--- In orion565@yahoogroups.com, "obeegin" <obeegin@...> wrote:
>
> Hello to the group. I just got a used Orion II built in 2005.
> I'm having a few issues and have some questions.
>
> First and most important is RFI in my headphones.
> It really makes CW impossible with headphones... not cool!
> I'm getting a STRONG Buzz/Humm when using CW. I have not
> noticed it with SSB but haven't really done much voice.
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> "different" issue than this.
> This was their take.
> - it could be an inadequate power supply
> I'm using an Alinco DM-330MVT
> - poor shielding of the headphones
> - I asked if Ten-Tec phones would work better and they said probably not
>
> So I will try some ferrite beads and hope that works.
> Any other ideas. I have days to wait for beads to come to my rural QTH.
>
> 73
> Stan AE7UT

>

8385. Re: RFI in headphones

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-29 23:51:44 UTC
From: obeegin
Topic: 2919 Message: 8385

That sounds like a good idea.
Where would I get the microphone cord?
I guess I could call Ten-Tec and see if they have one.

One other thing Paul mentioned is that I may have too little or too
much grounding. He thinks that I may have "over" grounded my rig.
I have it grounded to two 12 ft. rods pounded into the great Utah soil.

Thanks for the input guys!
I really appreciate it. It's been a rough day at work and this whole
issue just has me frustrated. It's discouraging putting out so much
money for a radio and having such an obnoxious problem.

73
Stan AE7UT

--- In orion565@yahoogroups.com, "TroyW6HV" <w6hv@...> wrote:
>
> Stan,
> I replaced my headphone's cable with shielded microphone cable and it cured

8386. New file uploaded to orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-30 00:15:36 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 8386

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /RX-366 LP-Pan.jpg
Uploaded by : ve7tk <ve7tk@...>
Description : RX-366 - LP-Pan - 192 kHz BW

You can access this file at the URL:
http://groups.yahoo.com/group/orion565/files/RX-366%20LP-Pan.jpg

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

ve7tk <ve7tk@...>

8387. RX-366 with LP-Pan

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-30 00:45:51 UTC
From: ve7tk
Topic: 8387 Message: 8387

I have just uploaded a JPG of the Orion 565 with RX-366 and an LP-Pan.

The photo shows an S-8.5 signal at 14.225 on a busy 20 metre band. The software is TRX-Pan. The only oddity with the RX-366 / LP-Pan combination is an S-9 birdie at about 14 kHz below the primary signal. (Ten-Tec is aware of this issue.) Otherwise the RX-366 is excellent and the 192 kHz bandwidth is pretty well flat.

The other hardware used in this demo was an LP-Pan Panadapter with a LP-Pan Preamp acting as a buffer and adding the necessary gain to the RX-366's 9 MHz IF.

73, Rick
VE7TK

8388. Re: [orion565] Re: RFI in headphones

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-30 01:32:46 UTC
From: TroyW6HV
Topic: 2919 Message: 8388

I bought my cord at Radio Shack, but there should be better stuff available.
You need two conductors plus the shield.

73,
Troy, W6HV

-----Original Message-----
From: obeegin
Sent: Tuesday, May 29, 2012 4:51 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: RFI in headphones

That sounds like a good idea.
Where would I get the microphone cord?
I guess I could call Ten-Tec and see if they have one.

One other thing Paul mentioned is that I may have too little or too
much grounding. He thinks that I may have "over" grounded my rig.
I have it grounded to two 12 ft. rods pounded into the great Utah soil.

Thanks for the input guys!
I really appreciate it. It's been a rough day at work and this whole
issue just has me frustrated. It's discouraging putting out so much
money for a radio and having such an obnoxious problem.

73
Stan AE7UT

--- In orion565@yahoogroups.com, "TroyW6HV" <w6hv@...> wrote:
>
> Stan,
> I replaced my headphone's cable with shielded microphone cable and it
> cured

Yahoo! Groups Links

8390. Re: [orion565] RFI in headphones

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-30 03:42:55 UTC
From: N9ETD@AOL.COM
Topic: 2919 Message: 8390

Stan

One thing TEN TEC told me when I purchased my Orion II was to keep the power cord as short as possible due to them having problems with RF getting in on the 12 volt supply cable. Just something to look into. However, the buzzing sounds more like a cable grounding problem as others have suggested.

73, Craig N9ETD

[Non-text portions of this message have been removed]

8391. Re: RFI in headphones

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-30 04:47:12 UTC
From: obeegin
Topic: 2919 Message: 8391

That does seem to be the group consensus.

I'm assuming the RFI is originating from the Orion not the coax
since my Eagle and my Scout don't have the same issue.

Does anyone know of a set of headphones that would have a good ground
already in place? I was looking at my headphones and I'm not too keen
on cutting up my $200 Senheisers. I've had a pair of Heil Proset elite
and they were VERY uncomfortable. I can wear my Senheisers for hours
without any issues.

Stan AE7UT

the
> buzzing sounds more like a cable grounding problem as others have suggested.
>
>
> 73, Craig N9ETD

8392. Re: RFI in headphones

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-30 05:30:09 UTC
From: pa1ap
Topic: 2919 Message: 8392

Hi Stan,

Does the rfi change when you touch the chassis? Does the rfi change if you touch other devices such as power supply, speaker, antenna tuner, grounding connection in your shack?

First thing to do is disconnect all optional wires connecting to orion. Speaker, line out, serial cable etc. Leave the antenna and power connected. Problem still there?

Reason I am asking is that rf might be sneaking into your systems through various ways. If you have a rf amp meter (read 3 turn coil, diode, capacitor, potentiometer and analog vu meter) you can measure the current towards your ground rod during transmit. While transmitting touch your chassis and such like. If the current changes the rf is not only going to your ground rod.

In my shack most devices influenced the rf going into my ground system. Than I included the beads on every wire connecting to the orion -except- the ground wire. After that I could touch the power supply and such like and the current towards the ground did not change anymore. The current to the ground system also increased through this change.

Not related to rfi but one warning I would like to included.... especially the serial connection is sensitive towards high voltage discharge. This can happen when connecting a floating computer to the serial port. Please make sure that computer chassis shares the same earth as the orion prior to connecting the serial cable. I once made the mistake of using a computer on the other end of the shack which was not connected to same mains ground and poooffff... the serial controller chip died on me. Just something to be aware off...

Best regards, onno

--- In orion565@yahoogroups.com, "obeegin" <obeegin@...> wrote:
>
> That sounds like a good idea.
> Where would I get the microphone cord?
> I guess I could call Ten-Tec and see if they have one.
>
> One other thing Paul mentioned is that I may have too little or too
> much grounding. He thinks that I may have "over" grounded my rig.
> I have it grounded to two 12 ft. rods pounded into the great Utah soil.
>
> Thanks for the input guys!
> I really appreciate it. It's been a rough day at work and this whole
> issue just has me frustrated. It's discouraging putting out so much
> money for a radio and having such an obnoxious problem.
>
> 73
> Stan AE7UT
>
> --- In orion565@yahoogroups.com, "TroyW6HV" <w6hv@> wrote:

> >
> > Stan,
> > I replaced my headphone's cable with shielded microphone cable and it cured
>

8393. Re: RFI in headphones

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-30 06:18:06 UTC
From: obeegin
Topic: 2919 Message: 8393

Thanks for all the help and messages both on the board and private.

I disconnected everything from the rig except one antenna (the vertical),
the key (Bencher), a single ground connection directly to one rod, the
power was replaced with a fully charged deep cycle 12V battery.

I think there was less of a buzz, but not a major improvement.
Still can barely hear the carrier over the buzzing.

I did make a few SSB contacts with that configuration and got great signal reports.
So RFI is not getting into the Mic (Ten-Tec 707).
I don't hear any buzzing while monitoring the SSB output.

It's still pretty uselss for CW and headphones!
But it is fun to have a challenge.

Thanks for the heads-up on the serial connection onno.
I will be careful.

Thanks again guys.
Stan AE7UT

8394. RE: [orion565] Re: RFI in headphones

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-30 12:27:00 UTC
From: John Hudson
Topic: 2919 Message: 8394

I had the same problem once and narrowed it down to my keyboard and mouse! Went wireless and not a peep since

Good luck

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Wednesday, May 30, 2012 12:30 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: RFI in headphones

Hi Stan,

Does the rfi change when you touch the chassis? Does the rfi change if you touch other devices such as power supply, speaker, antenna tuner, grounding connection in your shack?

First thing to do is disconnect all optional wires connecting to orion. Speaker, line out, serial cable etc. Leave the antenna and power connected. Problem still there?

Reason I am asking is that rf might be sneaking into your systems through various ways. If you have a rf amp meter (read 3 turn coil, diode, capacitor, potentiometer and analog vu meter) you can measure the current towards your ground rod during transmit. While transmitting touch your chassis and such like. If the current changes the rf is not only going to your ground rod.

In my shack most devices influenced the rf going into my ground system. Than I included the beads on every wire connecting to the orion -except- the ground wire. After that I could touch the power supply and such like and the current towards the ground did not change anymore. The current to the ground system also increased through this change.

Not related to rfi but one warning I would like to included.... especially the serial connection is sensitive towards high voltage discharge. This can happen when connecting a floating computer to the serial port. Please make sure that computer chassis shares the same earth as the orion prior to connecting the serial cable. I once made the mistake of using a computer on the other end of the shack which was not connected to same mains ground and pooofff... the serial controller chip died on me. Just something to be aware off...

Best regards, onno

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
"obeegin" <obeegin@...> wrote:
>
> That sounds like a good idea.
> Where would I get the microphone cord?
> I guess I could call Ten-Tec and see if they have one.
>
> One other thing Paul mentioned is that I may have too little or too
> much grounding. He thinks that I may have "over" grounded my rig.
> I have it grounded to two 12 ft. rods pounded into the great Utah soil.
>
> Thanks for the input guys!
> I really appreciate it. It's been a rough day at work and this whole
> issue just has me frustrated. It's discouraging putting out so much
> money for a radio and having such an obnoxious problem.
>
> 73
> Stan AE7UT
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
"TroyW6HV" <w6hv@> wrote:
> >
> > Stan,
> > I replaced my headphone's cable with shielded microphone cable and it
cured
>

[Non-text portions of this message have been removed]

8395. Finally getting used to my Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-30 16:36:29 UTC
From: Phil Sikes
Topic: 8395 Message: 8395

Now that I have had my Orion II for a few weeks I am finally getting the hang of using it. It did take a while to figure out that reading the manual from cover to cover was a good idea! It almost took too long as this was the time period that Yemen was on the air and I needed them for one of my few new ones (# 323 finally in the log). I was having some serious fits trying to hear them and blaming the rig for every fault that came along. I finally figured out that I had a small piece of very crappy coax in the chain. Once it was removed things did improve. I was still having a mismatch problem between the rig and antenna on 15 meters which made no sense because the antenna (KT-34A) is spot on there. I finally traced that problem to the antenna tuner. In bypass it was causing a VSWR problem that appeared as a mismatch at the amp input. Strange things going on in the world of HF and ham radio.

Once I finally got the gremlins out of the system I finally had some time to read the manual and learn how to use the O II to good advantage. Also, thanks to the forum for some great ideas and thoughts on using this great rig. Still enjoying the LP-Pan too.

73 - Phil N7UX

8396. Re: RFI in headphones

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-30 21:25:27 UTC
From: obeegin
Topic: 2919 Message: 8396

Problem Solved!
Thanks to you guys and despite of myself.

I finally took onno's advice and started touching things.
I just could not believe something not connected to the rig could be
the problem... WRONG!

Despite having disconnected everything from the rig I had not
shut off all my electronics in the shack.
First I touched the rig and the buzzing changed.... higher pitch
Then I touched my amp and it changed again.
Then I touched my computer and it drastically changed... quieter.
So I shut down ALL my electronics except the Orion and it DISAPPEARED!
After about 30 minutes of plugging, unplugging trying different cords
I narrowed it down to a wall-wart for my USB hub.
My laptop supply also causes an almost unacceptable hmmm when plugged in.

Now if someone can explain to me how a wall-wart causes a horrid hum,
only in my headphones, only on CW, only during Tx, I'd really
appreciate it.
THAT was not on my Extra Exam!

Thanks so so much you guys. As a lone ham in rural Utah you really
are my only source of help and I assure you I would not have figured
it out without your assistance. I have more questions but I'll let
you guys alone for a while.

73
Stan AE7UT

8399. Re: [orion565] Re: RFI in headphones

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-31 00:59:12 UTC
From: N9ETD@AOL.COM
Topic: 2919 Message: 8399

Stan

Glad that you were able to nail down the cause of your problem..

The forum is here for you to use and learn from. There's wealth of knowledge in this group for you to tap into.

73, Craig N9ETD

[Non-text portions of this message have been removed]

8400. Re: [orion565] Finally getting used to my Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-31 01:04:49 UTC
From: N9ETD@AOL.COM
Topic: 8395 Message: 8400

Phil

I love my Orion II also.. The learning curve was steeper than an other radio I've ever owned, but well worth the effort. It takes a bit to get used to the adaptive nature of it, meaning unlike an analog radio when you make certain adjustments the dsp software proccesses this for a bit instead reacting immediately like an analog radio does.. It would take a radio head and shoulders above it's capabilities for me to sell my Orion II.

73, Craig N9ETD

[Non-text portions of this message have been removed]

8401. Re: Finally getting used to my Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-31 01:09:30 UTC
From: Phil Sikes
Topic: 8395 Message: 8401

I absolutely agree, it will take quite a radio to make me give up my O II. A friend has a Flex 3000 and as nice as it is, I will keep my O II, same for my friend with the K3 that I got the Orion from, I would take the Orion in a heart beat. Once I got the hang of this rig I could not imagine anything beating it out in a listening contest. I have had some good rigs in the past (FT1000MP, Omni VI+, etc), but this one beats them all.

73 - Phil N7UX

--- In orion565@yahoogroups.com, N9ETD@... wrote:
>
> Phil
>
> I love my Orion II also.. The learning curve was steeper than an other
> radio I've ever owned, but well worth the effort. It takes a bit to get used to
> the adaptive nature of it, meaning unlike an analog radio when you make
> certain adjustments the dsp software proccesses this for a bit instead reacting
> immediately like an analog radio does.. It would take a radio head and
> shoulders above it's capabilities for me to sell my Orion II.
>
>
> 73, Craig N9ETD
>
> [Non-text portions of this message have been removed]
>

8402. Re: RFI in headphones

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-31 07:18:37 UTC
From: pa1ap
Topic: 2919 Message: 8402

Intriqued by the issue and if you have time I would appreciate if you could perform the steps below and report back. We might have found the source of missery but not yet how it actually propegates into your headphone...

With the external humm generators connected and operational please test the following.

1- disconnect -all- cables except power, antenna cable, ground rod and headphone.
2- auto tuner disabled and pressing tune and pushing pwr button the orion should transmit carrier only. Please check output towards your amplifier to avoid overdrive. Does the humm still occur?
3- how is the cw key normally connected to orion? Is the cable shielded and how long is the cable? When connecting just a 3.5mm plug into the cw port and bridging with a small screw driver does the humm also occur? When connecting a capacitor over the cw plug (10nF or bigger) does the humm stop?

The humm might be introduced through the cw cable somehow. It might be close to the undesired humm generators and as such pick up the humm. If you could test and provide feedback that would be great. Trying to zoom into root cause analysis.

Best regards, onno

--- In orion565@yahoogroups.com, "obeegin" <obeegin@...> wrote:
>
>
>
>
>
>
>
>
>
> Problem Solved!
> Thanks to you guys and despite of myself.
>
> I finally took onno's advice and started touching things.
> I just could not believe something not connected to the rig could be
> the problem... WRONG!
>
> Despite having disconnected everything from the rig I had not
> shut off all my electronics in the shack.
> First I touched the rig and the buzzing changed.... higher pitch
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> Then I touched my computer and it drastically changed... quieter.
> So I shut down ALL my electronics except the Orion and it DISAPPEARED!
> After about 30 minutes of plugging, unplugging trying different cords
> I narrowed it down to a wall-wart for my USB hub.

> My laptop supply also causes an almost unacceptable hmmm when plugged in.
>
> Now if someone can explain to me how a wall-wart causes a horrid hum,
> only in my headphones, only on CW, only during Tx, I'd really
> appreciate it.
> THAT was not on my Extra Exam!
>
> Thanks so so much you guys. As a lone ham in rural Utah you really
> are my only source of help and I assure you I would not have figured
> it out without your assistance. I have more questions but I'll let
> you guys alone for a while.
>
> 73
> Stan AE7UT
>

8403. Re: [orion565] Re: RFI in headphones

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-31 13:21:55 UTC
From: Stanton Bailey
Topic: 2919 Message: 8403

Ik zal het doen!Ik woonde in Gulpen dicht bij Maastricht voor a paar jaaren.Ik kan een beetje nederlands.
Sorry for the poor spelling it's been a few years.
Stan AE7UT

--- On Thu, 5/31/12, pa1ap <pa1ap@...> wrote:

From: pa1ap <pa1ap@...>
Subject: [orion565] Re: RFI in headphones
To: orion565@yahoogroups.com
Date: Thursday, May 31, 2012, 1:18 AM

Intriqued by the issue and if you have time I would appreciate if you could perform the steps below and report back. We might have found the source of missery but not yet how it actually propegates into your headphone...

With the external humm generators connected and operational please test the following.

1- disconnect -all- cables except power, antenna cable, ground rod and headphone.

2- auto tuner disabled and pressing tune and pushing pwr button the orion should transmit carrier only. Please check output towards your amplifier to avoid overdrive. Does the humm still occur?

3- how is the cw key normally connected to orion? Is the cable shielded and how long is the cable? When connecting just a 3.5mm plug into the cw port and bridging with a small screw driver does the humm also occur? When connecting a capacitor over the cw plug (10nF or bigger) does the humm stop?

The humm might be introduced through the cw cable somehow. It might be close to the undesired humm generators and as such pick up the humm. If you could test and provide feedback that would be great. Trying to zoom into root cause analysis.

Best regards, onno

--- In orion565@yahoogroups.com, "obeegin" <obeegin@...> wrote:

>

>

>

>

>

>

>

>

>

> Problem Solved!

> Thanks to you guys and despite of myself.

>

> I finally took onno's advice and started touching things.

> I just could not believe something not connected to the rig could be

> the problem... WRONG!

>

> Despite having disconnected everything from the rig I had not

> shut off all my electronics in the shack.

> First I touched the rig and the buzzing changed.... higher pitch

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> Then I touched my computer and it drastically changed... quieter.

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> After about 30 minutes of plugging, unplugging trying different cords

> I narrowed it down to a wall-wart for my USB hub.

> My laptop supply also causes an almost unacceptable hmmm when plugged in.

>

> Now if someone can explain to me how a wall-wart causes a horrid hum,

> only in my headphones, only on CW, only during Tx, I'd really

> appreciate it.

> THAT was not on my Extra Exam!

>

> Thanks so so much you guys. As a lone ham in rural Utah you really

> are my only source of help and I assure you I would not have figured

> it out without your assistance. I have more questions but I'll let

> you guys alone for a while.

>

> 73

> Stan AE7UT

>

[Non-text portions of this message have been removed]

8404. ARB 704 Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2012-05-31 16:12:55 UTC
From: mcelmer1
Topic: 8404 Message: 8404

What are positions of the JMP1& JMP2 switches of the ARB when used with an Orion 1 or II? Low 2.5? Low 2.1?

8405. for sale: 1kHz stock roofing filter for 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-01 19:15:45 UTC
From: ken brookner
Topic: 8405 Message: 8405

pulled from my Orion when I installed the inrad 600hz filter. if you need one, make me an offer. I'll add priority mail charges to that. CONUS only. prefer PayPal.

best reasonable offer in the next 24 hours gets it.

73
kenb, ky5g

--
ken brookner
-cell

[Non-text portions of this message have been removed]

8406. Micro Keyer II/Orion II cables for Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-03 03:37:27 UTC
From: Mike, K9UW
Topic: 8406 Message: 8406

FOR SALE:MicroHam Micro Keyer II, complete with the DB37-TT-ORII interface cable for the TenTec Orion II as well as the original A/B USB cable and original packing materials.A complete description of this device is available at:

http://microham-usa.com/store/product-info.php?pid1.html

Manuals, installation software, etc., are at:

http://microham-usa.com/store/cmspage.php?page_id=9

Purchased in August 2011, used for only a handful of QSO's.$479 new, yours for $400 plus shipping.PayPal OK.

73, de Mike, K9UW

Amherst, WI

[Non-text portions of this message have been removed]

8407. Orion 565 for sale on Ebay

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-04 02:20:43 UTC
From: PAUL
Topic: 8407 Message: 8407

It is item 130706995623.

Regards, Paul K8PO

[Non-text portions of this message have been removed]

8408. My 565 is a 500 watt transceiver

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-12 04:24:26 UTC
From: w5xj2011
Topic: 8408 Message: 8408

Man I love my 565 and now I am running it with my Hercules II which makes it a joy to run a little power thanks to the Herc. Solid state amps like the Herc are great. Today I upgraded to the new LDG AT 1000 Pro II and it is a great auto-tuner. TT ought to bring back the Herc. I'm sure they can make one that would compete with the Tokyo HP 500 watt model or ALS 600, etc.

Come on Paul fire up the R&D, get some new final PA's, and bring back this great little amp! You'd sell a bunch I bet.

Does anybody else run a Hercules II? I hope your experience with it is as good as mine.

73 & good DX de W5XJ in Texas

8409. WTB RX-340

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-14 15:57:48 UTC
From: Fernando
Topic: 8409 Message: 8409

Looking for a RX-340.

Please send particulars with photos directly.

I thought I'd ask here before jumping into the fray with the one listed on the auction place.

Fernando N2FQ/6
n2fq@...

[Non-text portions of this message have been removed]

8410. RE: [orion565] WTB RX-340

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-14 17:36:06 UTC
From: wolfmanjack@charter.net
Topic: 8409 Message: 8410

I recently traded a super mint condx RX-340 in to Ten Tec on my new Orion II. You might check with Stan at Ten Tec and see if it is still available. I don't think you could find a much nicer one...

73 John K7FD

On Thu, Jun 14, 2012 at 8:57 AM, Fernando wrote:

Looking for a RX-340.

Please send particulars with photos directly.

I thought I'd ask here before jumping into the fray with the one listed on the auction place.

Fernando N2FQ/6
n2fq@...
<javascript:parent.wgMail.openComposeWindow('n2fq@sbcglobal.net')>

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('n2fq@...')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

8411. Sweep in v3.029

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-15 14:24:36 UTC
From: chubso81
Topic: 8411 Message: 8411

I upgraded from 2.044 to 3.029 last week and I noticed that the sweep seemed shifted left. LSB signals are well left past the 0 line and USB shows on top and maybe some to the left of the zero marker.

I reverted back to 2.044 and the problem went away.

I like the improvements and can mentally adjust so I'm sticking with 3.029 for the time being.

Has anybody else noticed this or is it my O2?

Thanks 73, JP, K8AG

8412. Re: [orion565] Sweep in v3.029

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-15 16:44:29 UTC
From: Jerry Rogers
Topic: 8411 Message: 8412

JP: Just checked out my Orion II with 3.029 loaded. YES! I have the same issue on mine.

It's not that bad, and I noticed it after I upgraded, but it is a small issue to me.

What I would like to see is a marker like the Omni VII has. It lets me return back to where I was without remembering the frequency.

Jerry
ki4ps

On Jun 15, 2012, at 10:24 AM, chubso81 wrote:

> I upgraded from 2.044 to 3.029 last week and I noticed that the sweep seemed shifted left. LSB signals are well left past the 0 line and USB shows on top and maybe some to the left of the zero marker.
>
> I reverted back to 2.044 and the problem went away.
>
> I like the improvements and can mentally adjust so I'm sticking with 3.029 for the time being.
>
> Has anybody else noticed this or is it my O2?
>
> Thanks 73, JP, K8AG
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[Non-text portions of this message have been removed]

8413. Re: Sweep in v3.029

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-15 17:09:19 UTC
From: chubso81
Topic: 8411 Message: 8413

Thanks Jerry. It is a small difference but bothers me. Still the sweep is much nicer.

73

--- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@...> wrote:
>
> JP: Just checked out my Orion II with 3.029 loaded. YES! I have the same issue on mine.
>
> It's not that bad, and I noticed it after I upgraded, but it is a small issue to me.
>
> What I would like to see is a marker like the Omni VII has. It lets me return back to where I was without remembering the frequency.
>
> Jerry
> ki4ps
>
>
> On Jun 15, 2012, at 10:24 AM, chubso81 wrote:
>
> > I upgraded from 2.044 to 3.029 last week and I noticed that the sweep seemed shifted left. LSB signals are well left past the 0 line and USB shows on top and maybe some to the left of the zero marker.
> >
> > I reverted back to 2.044 and the problem went away.
> >
> > I like the improvements and can mentally adjust so I'm sticking with 3.029 for the time being.
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> > Has anybody else noticed this or is it my O2?
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> > Thanks 73, JP, K8AG
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> [Non-text portions of this message have been removed]
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8414. Re: [orion565] Sweep in v3.029

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-15 17:13:32 UTC
From: wolfmanjack@charter.net
Topic: 8411 Message: 8414

http://en.wikipedia.org/wiki/Sideband

It appears correct on my scope. Lower sideband shows to the left of the center carrier frequency, upper shows to the right. CW is pretty much centered.

That said, I use the display strictly as a way to judge overall activity on a given width of specturm. In my book, it's just not detailed enough to use it otherwise...

73 John K7FD

On Fri, Jun 15, 2012 at 9:44 AM, Jerry Rogers wrote:

> JP: Just checked out my Orion II with 3.029 loaded. YES! I have the
> same issue on mine.
> It's not that bad, and I noticed it after I upgraded, but it is a
> small issue to me.
>
> What I would like to see is a marker like the Omni VII has. It lets
> me return back to where I was without remembering the frequency.
>
> Jerry
> ki4ps
>
>
> On Jun 15, 2012, at 10:24 AM, chubso81 wrote:
>
>> I upgraded from 2.044 to 3.029 last week and I noticed that the sweep
>> seemed shifted left. LSB signals are well left past the 0 line and
>> USB shows on top and maybe some to the left of the zero marker.
>>
>> I reverted back to 2.044 and the problem went away.
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>> I like the improvements and can mentally adjust so I'm sticking with
>> 3.029 for the time being.
>>
>> Has anybody else noticed this or is it my O2?
>>
>> Thanks 73, JP, K8AG
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> Yahoo! Groups Links
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8415. Re: [orion565] Sweep in v3.029

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-15 17:17:28 UTC
From: wolfmanjack@charter.net
Topic: 8411 Message: 8415

Specturm, sometimes also referred to as 'spectrum', hi.

73 John K7FD

On Fri, Jun 15, 2012 at 10:13 AM, wolfmanjack@... wrote:

http://en.wikipedia.org/wiki/Sideband
<http://en.wikipedia.org/wiki/Sideband>

It appears correct on my scope. Lower sideband shows to the left of the
center carrier frequency, upper shows to the right. CW is pretty much
centered.

That said, I use the display strictly as a way to judge overall activity
on a given width of specturm. In my book, it's just not detailed enough
to use it otherwise...

73 John K7FD

On Fri, Jun 15, 2012 at 9:44 AM, Jerry Rogers wrote:

> JP: Just checked out my Orion II with 3.029 loaded. YES! I have the
> same issue on mine. It's not that bad, and I noticed it after I
> upgraded, but it is a small issue to me.
> What I would like to see is a marker like the Omni VII has. It lets
> me return back to where I was without remembering the frequency.
> Jerry ki4ps
>
> On Jun 15, 2012, at 10:24 AM, chubso81 wrote:
>> I upgraded from 2.044 to 3.029 last week and I noticed that the sweep
>> seemed shifted left. LSB signals are well left past the 0 line and
>> USB shows on top and maybe some to the left of the zero marker.
>> I reverted back to 2.044 and the problem went away.
>> I like the improvements and can mentally adjust so I'm sticking with
>> 3.029 for the time being.
>> Has anybody else noticed this or is it my O2?
>> Thanks 73, JP, K8AG
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<http://en.wikipedia.org/wiki/Sideband>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

8416. Re: Sweep in v3.029

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-15 19:07:07 UTC
From: chubso81
Topic: 8411 Message: 8416

That means that our O2s are different. I understand sidebands. I have been using the radio for about 18 months, been a ham for 35 years, was a broadcast engineer in the 70s. Like I said I can mentally ignore it. But it bothers me. It isn't a simple imbalance. The USB signals, properly tuned in, show up almost centered in the display. LSB are way on the left.

I am an embedded systems engineer by trade for many years and we deal in fixed-point math. This looks like possibly a fixed-point resolution problem.

Oh well. Some have the problem and others do not. Thanks for all of the responses.

JP

--- In orion565@yahoogroups.com, wolfmanjack@... wrote:
>
> http://en.wikipedia.org/wiki/Sideband
>
> It appears correct on my scope. Lower sideband shows to the left of the
> center carrier frequency, upper shows to the right. CW is pretty much
> centered.
>
> That said, I use the display strictly as a way to judge overall activity
> on a given width of specturm. In my book, it's just not detailed enough
> to use it otherwise...
>
> 73 John K7FD
>
>
> On Fri, Jun 15, 2012 at 9:44 AM, Jerry Rogers wrote:
>
> > JP: Just checked out my Orion II with 3.029 loaded. YES! I have the
> > same issue on mine.
> > It's not that bad, and I noticed it after I upgraded, but it is a
> > small issue to me.
> >
> > What I would like to see is a marker like the Omni VII has. It lets
> > me return back to where I was without remembering the frequency.
> >
> > Jerry
> > ki4ps
> >
> >
> > On Jun 15, 2012, at 10:24 AM, chubso81 wrote:
> >
> >> I upgraded from 2.044 to 3.029 last week and I noticed that the sweep
> >> seemed shifted left. LSB signals are well left past the 0 line and

> >> USB shows on top and maybe some to the left of the zero marker.
> >>
> >> I reverted back to 2.044 and the problem went away.
> >>
> >> I like the improvements and can mentally adjust so I'm sticking with
> >> 3.029 for the time being.
> >>
> >> Has anybody else noticed this or is it my O2?
> >>
> >> Thanks 73, JP, K8AG
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8417. Re: [orion565] Re: Sweep in v3.029

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-15 21:54:38 UTC
From: Jerry Rogers
Topic: 8411 Message: 8417

Update to the sweep on my Orion II. I've only owned mine for two months, so still a lot to learn.

I've noticed that if I rotate the PBT or the low side of the CUT control it shifts the sweep display from the center line. It's not that great on the sweep display, but it make me wonder if even though the signal is tuned in correctly if some kind of tracking is off.

Jerry, ki4ps

On Jun 15, 2012, at 3:07 PM, chubso81 wrote:

> That means that our O2s are different. I understand sidebands. I have been using the radio for about 18 months, been a ham for 35 years, was a broadcast engineer in the 70s. Like I said I can mentally ignore it. But it bothers me. It isn't a simple imbalance. The USB signals, properly tuned in, show up almost centered in the display. LSB are way on the left.
>
> I am an embedded systems engineer by trade for many years and we deal in fixed-point math. This looks like possibly a fixed-point resolution problem.
>
> Oh well. Some have the problem and others do not. Thanks for all of the responses.
>
> JP
>
> --- In orion565@yahoogroups.com, wolfmanjack@... wrote:
> >
> > > http://en.wikipedia.org/wiki/Sideband
> >
> > > It appears correct on my scope. Lower sideband shows to the left of the
> > > center carrier frequency, upper shows to the right. CW is pretty much
> > > centered.
> >
> > > That said, I use the display strictly as a way to judge overall activity
> > > on a given width of specturm. In my book, it's just not detailed enough
> > > to use it otherwise...
> >
> > > 73 John K7FD
> >
> >
> > > On Fri, Jun 15, 2012 at 9:44 AM, Jerry Rogers wrote:
> >
> > > > JP: Just checked out my Orion II with 3.029 loaded. YES! I have the
> > > > same issue on mine.
> > > > It's not that bad, and I noticed it after I upgraded, but it is a
> > > > small issue to me.
> > >

> > > What I would like to see is a marker like the Omni VII has. It lets
> > > me return back to where I was without remembering the frequency.
> > >
> > > Jerry
> > > ki4ps
> > >
> > >
> > > On Jun 15, 2012, at 10:24 AM, chubso81 wrote:
> > >
> > >> I upgraded from 2.044 to 3.029 last week and I noticed that the sweep
> > >> seemed shifted left. LSB signals are well left past the 0 line and
> > >> USB shows on top and maybe some to the left of the zero marker.
> > >>
> > >> I reverted back to 2.044 and the problem went away.
> > >>
> > >> I like the improvements and can mentally adjust so I'm sticking with
> > >> 3.029 for the time being.
> > >>
> > >> Has anybody else noticed this or is it my O2?
> > >>
> > >> Thanks 73, JP, K8AG
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8418. Re: Sweep in v3.029

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-16 00:48:11 UTC
From: chubso81
Topic: 8411 Message: 8418

Thanks Jerry. I think that is it. The upgrade simply moved things slightly to the left. With the PBT it is a non-issue.

Thanks to all who responded. 73 JP, K8AG

--- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@...> wrote:
>
> Update to the sweep on my Orion II. I've only owned mine for two months, so still a lot to learn.
>
> I've noticed that if I rotate the PBT or the low side of the CUT control it shifts the sweep display from the center line. It's not that great on the sweep display, but it make me wonder if even though the signal is tuned in correctly if some kind of tracking is off.
>
> Jerry, ki4ps
>
>
> On Jun 15, 2012, at 3:07 PM, chubso81 wrote:
>
> > That means that our O2s are different. I understand sidebands. I have been using the radio for about 18 months, been a ham for 35 years, was a broadcast engineer in the 70s. Like I said I can mentally ignore it. But it bothers me. It isn't a simple imbalance. The USB signals, properly tuned in, show up almost centered in the display. LSB are way on the left.
> >
> > I am an embedded systems engineer by trade for many years and we deal in fixed-point math. This looks like possibly a fixed-point resolution problem.
> >
> > Oh well. Some have the problem and others do not. Thanks for all of the responses.
> >
> > JP
> >
> > --- In orion565@yahoogroups.com, wolfmanjack@ wrote:
> > >
> > > http://en.wikipedia.org/wiki/Sideband
> > >
> > > It appears correct on my scope. Lower sideband shows to the left of the
> > > center carrier frequency, upper shows to the right. CW is pretty much
> > > centered.
> > >
> > > That said, I use the display strictly as a way to judge overall activity
> > > on a given width of specturm. In my book, it's just not detailed enough
> > > to use it otherwise...
> > >
> > > 73 John K7FD

> > >
> > >
> > > On Fri, Jun 15, 2012 at 9:44 AM, Jerry Rogers wrote:
> > >
> > > > JP: Just checked out my Orion II with 3.029 loaded. YES! I have the
> > > > same issue on mine.
> > > > It's not that bad, and I noticed it after I upgraded, but it is a
> > > > small issue to me.
> > > >
> > > > What I would like to see is a marker like the Omni VII has. It lets
> > > > me return back to where I was without remembering the frequency.
> > > >
> > > > Jerry
> > > > ki4ps
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> > > >
> > > > On Jun 15, 2012, at 10:24 AM, chubso81 wrote:
> > > >
> > > >> I upgraded from 2.044 to 3.029 last week and I noticed that the sweep
> > > >> seemed shifted left. LSB signals are well left past the 0 line and
> > > >> USB shows on top and maybe some to the left of the zero marker.
> > > >>
> > > >> I reverted back to 2.044 and the problem went away.
> > > >>
> > > >> I like the improvements and can mentally adjust so I'm sticking with
> > > >> 3.029 for the time being.
> > > >>
> > > >> Has anybody else noticed this or is it my O2?
> > > >>
> > > >> Thanks 73, JP, K8AG
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8419. UK spares stocks and repair facility?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-17 22:07:37 UTC
From: Chris Wilson
Topic: 8419 Message: 8419

I am thinking of getting an Orion II or an Omni VII. I am in England
UK and need to know what spares are held in the UK and who is
an official repair agent over here please? Thanks.

--
Best regards,
Chris Wilson mailto:chris@...

8420. For Sale - LP Pan and EMU 1212M PCIe Sound Card

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-18 00:10:37 UTC
From: al7cr
Topic: 8420 Message: 8420

The LP Pan is factory built, configured for an Orion, and has a custom crystal from Telepost that centers the IF in the passband. The original crystal is also supplied if you want to change back to the original configuration.

These work perfectly and were both in service at my QTH until a few days ago when I reconfigured my shack.

$225 firm via Paypal including Priority Mail shipment within the US.

8421. Re: UK spares stocks and repair facility?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-18 05:00:42 UTC
From: pa1ap
Topic: 8419 Message: 8421

As far as I know the fine people of aoruk provided this excellent service but unfortunately they closed the shop. Next distribution point is Germany but I am not sure if they are just a sales representation or service point as well. best to raise the question to tentec usa by sending an email to their service department. regards, onno

--- In orion565@yahoogroups.com, Chris Wilson <chris@...> wrote:
>
>
>
> I am thinking of getting an Orion II or an Omni VII. I am in England
> UK and need to know what spares are held in the UK and who is
> an official repair agent over here please? Thanks.
>
> --
> Best regards,
> Chris Wilson mailto:chris@...
>

8422. Re: [orion565] UK spares stocks and repair facility?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-18 23:14:43 UTC
From: Larry Menzel
Topic: 8419 Message: 8422

The rig rarely needs repair, but I van understand your concerns. Anyone have this answer?
On Jun 17, 2012 5:07 PM, "Chris Wilson" <chris@...> wrote:

>
>
> I am thinking of getting an Orion II or an Omni VII. I am in England
> UK and need to know what spares are held in the UK and who is
> an official repair agent over here please? Thanks.
>
> --
> Best regards,
> Chris Wilson mailto:chris@...
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[Non-text portions of this message have been removed]

8424. Re: UK spares stocks and repair facility?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-23 10:31:01 UTC
From: geoff.g0byh@btinternet.com
Topic: 8419 Message: 8424

HI,

Walters and Stanton took over the agency from AOR, however I have no idea what sort of spares they hold. Great shame when AOR dropped TenTec, bought my ORION from them and always found their service to be excellent.

Waters & Stanton PLC, Spa House, 22 Main Road, Hockley, Essex. SS5 4QS. UK. Tel +44(0)1702 206835 Fax +44(0)1702 205843

Rgds
Geoff - G0BYH

--- In orion565@yahoogroups.com, Chris Wilson <chris@...> wrote:
>
>
>
> I am thinking of getting an Orion II or an Omni VII. I am in England
> UK and need to know what spares are held in the UK and who is
> an official repair agent over here please? Thanks.
>
> --
> Best regards,
> Chris Wilson mailto:chris@...
>

8425. Re: For Sale - LP Pan and EMU 1212M PCIe Sound Card

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-25 15:51:31 UTC
From: al7cr
Topic: 8420 Message: 8425

This gear has been sold.

--- In orion565@yahoogroups.com, "al7cr" <al7cr@...> wrote:
>
> The LP Pan is factory built, configured for an Orion, and has a custom crystal
> from Telepost that centers the IF in the passband. The original crystal is also
> supplied if you want to change back to the original configuration.
>
> These work perfectly and were both in service at my QTH until a few days ago
> when I reconfigured my shack.
>
> $225 firm via Paypal including Priority Mail shipment within the US.
>

8426. Orion I Loss of VFO B Audio -- A Partial Solution

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-25 16:08:22 UTC
From: al7cr
Topic: 8426 Message: 8426

I wish to help others with this problem deal with it rather than (re)start a discussion as to whether it exists or is due to improper rig operation. I am running software version 3.032 on my Orion I and the problem is real and absolutely correlated to activity on the rig com port.

The problem in my case is NOT related to a weak rig battery, though I have had that cause the problem also. My battery is a fresh new one purchased from Ten Tec.

The loss of audio in my case is NEVER cured by repeated ram clear, master reset, clear user data, reboot cycles nor is it cured by reboot cycles alone.

The problem is often cleared by rebooting with the USER 2 key depressed to enter the flash mode and then simply exiting this mode.

The problem is often cleared by rebooting with the cable to the com port disconnected but never when rebooting with it connected.

Finally in my experience the problem is always cleared if the rig is rebooted into flash mode with the com port disconnected, exiting flash mode, powering down, reconnecting the com port, and rebooting the rig.

I believe that accessing flash mode to clear the problem makes sense in that it is related to usage of the com port and accessing flash mode also uses the port.

Hopefully the above will be of use in recovering from the problem until Ten Tec can isolate and eliminate it.

8427. RE: [orion565] Orion I Loss of VFO B Audio -- A Partial Solution

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-25 16:34:00 UTC
From: John Hudson
Topic: 8426 Message: 8427

When my loss of VFO B started it seemed to appear about the same time of a update from TT and update of logging software I use (DXLab). I had just started using DXL and had not noticed the loss of VFO B audio, but I had not had that issue with Logger32 which I used for several years prior. But as I said, a change of logging software and change of firmware at the same time..WHO KNOWS??

But after rebooting SEVERAL times, which did clear the issue up until I clicked on a station working split, Onno PA1AP did point me in the right direction. For some reason the SUB RX was not being "turned on" when I was working split so loss of VFO B audio. What happens is that I can hear what is on VFO A thru VFO B (remember SUB RX is off on both A & b).

For whatever reason this started I now know that when I do not hear a signal on VFO B..LOOK AT THE SUB RX!! One of those quirks I am living with, but no more rebooting

73

John

kO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of al7cr
Sent: Monday, June 25, 2012 11:08 AM
To: orion565@yahoogroups.com
Subject: [orion565] Orion I Loss of VFO B Audio -- A Partial Solution

I wish to help others with this problem deal with it rather than (re)start a discussion as to whether it exists or is due to improper rig operation. I am running software version 3.032 on my Orion I and the problem is real and absolutely correlated to activity on the rig com port.

The problem in my case is NOT related to a weak rig battery, though I have had that cause the problem also. My battery is a fresh new one purchased from Ten Tec.

The loss of audio in my case is NEVER cured by repeated ram clear, master reset, clear user data, reboot cycles nor is it cured by reboot cycles alone.

The problem is often cleared by rebooting with the USER 2 key depressed to enter the flash mode and then simply exiting this mode.

The problem is often cleared by rebooting with the cable to the com port disconnected but never when rebooting with it connected.

Finally in my experience the problem is always cleared if the rig is rebooted into flash mode with the com port disconnected, exiting flash mode, powering down, reconnecting the com port, and rebooting the rig.

I believe that accessing flash mode to clear the problem makes sense in that it is related to usage of the com port and accessing flash mode also uses the port.

Hopefully the above will be of use in recovering from the problem until Ten Tec can isolate and eliminate it.

[Non-text portions of this message have been removed]

8428. Re: [orion565] Orion I Loss of VFO B Audio -- A Partial Solution

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-25 16:49:27 UTC
From: Barry N1EU
Topic: 8426 Message: 8428

On Mon, Jun 25, 2012 at 4:34 PM, John Hudson <jd_hudson@...> wrote:

> **
> I can hear what is on VFO A thru VFO B (remember SUB RX is off on both A &
> b).
>
>
> Am I the only one having a hard time following this? I understand the
terms "main rx audio" and "subrx audio". In this thread, does "VFO A
audio" mean "main rx audio" and "VFO B audio" means "subrx audio"?.

Main rx and subrx can each be assigned to VFO A or VFO B at will.

Barry N1EU

[Non-text portions of this message have been removed]

8429. Re: Orion I Loss of VFO B Audio -- A Partial Solution

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-25 19:31:07 UTC
From: pa1ap
Topic: 8426 Message: 8429

At least John took the time to describe his findings and thats a good start for a forum discussion.

You raise a good point on the difference between main and sub receiver regarding vfo assignment. Both receivers can be assigned either vfo a or vfo b. Sub receiver has another special trick where it is possible to detach it from a vfo.. rendering the sub receiver useless.... never understood why that has been implemented...

The remote software resulted in disconnecting the sub receiver from vfo assignment. Hence the advice to check vfo assignment when sub rx is dormant.

But it seems the originator of this topic has a different issue. It would be good to understand the exact software used, its version, the orion configuration parameters and perform root cause analysis to see if we can reproduce. If it is firmware we should be able to reproduce the effect.

Best regards, onno

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> On Mon, Jun 25, 2012 at 4:34 PM, John Hudson <jd_hudson@...> wrote:
>
> > **
> > I can hear what is on VFO A thru VFO B (remember SUB RX is off on both A &
> > b).
> >
> >
> > Am I the only one having a hard time following this? I understand the
> terms "main rx audio" and "subrx audio". In this thread, does "VFO A
> audio" mean "main rx audio" and "VFO B audio" means "subrx audio"?.
>
> Main rx and subrx can each be assigned to VFO A or VFO B at will.
>
> Barry N1EU
>
>
> [Non-text portions of this message have been removed]
>

8431. Re: [orion565] Sweep in v3.029

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-29 17:24:44 UTC
From: Wayne Staples
Topic: 8411 Message: 8431

On 16/06/12 00:24, chubso81 wrote:
>
> I upgraded from 2.044 to 3.029 last week and I noticed that the sweep
> seemed shifted left. LSB signals are well left past the 0 line and USB
> shows on top and maybe some to the left of the zero marker.
>
> I reverted back to 2.044 and the problem went away.
>
> I like the improvements and can mentally adjust so I'm sticking with
> 3.029 for the time being.
>
> Has anybody else noticed this or is it my O2?
>
> Thanks 73, JP, K8AG
>

The firmware update 3.029 is for the Orion 566 (orion II) 3.025, 3.030
& 3.032 is for the Orion 565 Orion I
>
>

[Non-text portions of this message have been removed]

8432. Master reset on every start of my 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-30 04:26:45 UTC
From: Martin Kratoska
Topic: 8411 Message: 8432

Everytime my 565 is started, the radio initiates with the master reset and the known ticking sound. Default values used, nthing is stored. It implies that the internal battery now gone. Does anybody know the type or any suitable replacement?

73
Martin, OK1RR

8433. Re: Master reset on every start of my 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-30 06:05:47 UTC
From: pa1ap
Topic: 8411 Message: 8433

Hi Martin,

I uploaded picture of original battery to photo section. Look for orion battery folder. It provides all information. If spareparts are an issue to get i know another ham opened the battery case and replaced it with a 3023 battery or something like that. Please note both battery and clock are used by orion. Best regards, onno

--- In orion565@yahoogroups.com, Martin Kratoska <martin@...> wrote:

> Everytime my 565 is started, the radio initiates with the master reset
> and the known ticking sound. Default values used, nthing is stored. It
> implies that the internal battery now gone. Does anybody know the type
> or any suitable replacement?
>
> 73
> Martin, OK1RR
>

8434. RE: [orion565] Master reset on every start of my 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-06-30 15:19:23 UTC
From: Wes Attaway (N5WA)
Topic: 8411 Message: 8434

You can easily order a new battery from TenTec. Or, you can get a larger and more robust battery from DigiKey. The DigiKey battery is what I used and the specs indicate it will last a lot longer than the original battery. Both batteries are "snaphat" types and either will work just fine.

http://parts.digikey.com/1/parts/605224-ic-snaphat-batt-crystal-28-soic-m4t32-br12sh1.html

---------- Wes Attaway (N5WA) ----------
1138 Waters Edge Circle, Shreveport, LA 71106
318-797-4972 (Office) - 318-393-3289 (Cell)
Computer Consulting and Forensics
---------- EnCase Certified Examiner ----------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Martin Kratoska
Sent: Friday, June 29, 2012 11:27 PM
To: orion565@yahoogroups.com
Subject: [orion565] Master reset on every start of my 565

Everytime my 565 is started, the radio initiates with the master reset and the known ticking sound. Default values used, nthing is stored. It implies that the internal battery now gone. Does anybody know the type or any suitable replacement?

73
Martin, OK1RR

[Non-text portions of this message have been removed]

8435. Problem Orion1 and amplifier yaesu FI7000

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-08 07:24:30 UTC
From: fverlezza
Topic: 8435 Message: 8435

My solid state amplifier Fl 7000 stoped to work.
I can't hear the typical clic noise of PTT in the amplifier.
How to check whether is an Orion fault or amplifier fault?
I mean what to check from external PTT coupling in my Orion?

Thank

Filippo

8437. Should I upgrade the firmware version?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-10 21:32:48 UTC
From: k1fpv
Topic: 8437 Message: 8437

Hi Everyone,

I'm currently using my Orion II with firmware version 2.044a without any problems. I feel since I rarely ever use the second receiver, I've decided not to upgrade the receiver.

Will I gain anything if I upgrade to the new firmware version 3.029 or is it primarily for Orions with the new second receiver?

73,
Bill/K1FPV

8438. RE: [orion565] Should I upgrade the firmware version?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-10 21:58:15 UTC
From: Wes Attaway (N5WA)
Topic: 8437 Message: 8438

Yes, you should do it because the radio works better with the latest firmware. It corrects a number of problems.

---------- Wes Attaway (N5WA) ----------
1138 Waters Edge Circle, Shreveport, LA 71106
318-797-4972 (Office) - 318-393-3289 (Cell)
Computer Consulting and Forensics
---------- EnCase Certified Examiner ----------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of k1fpv
Sent: Tuesday, July 10, 2012 4:33 PM
To: orion565@yahoogroups.com
Subject: [orion565] Should I upgrade the firmware version?

Hi Everyone,

I'm currently using my Orion II with firmware version 2.044a without any problems. I feel since I rarely ever use the second receiver, I've decided not to upgrade the receiver.

Will I gain anything if I upgrade to the new firmware version 3.029 or is it primarily for Orions with the new second receiver?

73,
Bill/K1FPV

[Non-text portions of this message have been removed]

8439. Headphone audio disappears

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-11 04:32:26 UTC
From: John Hudson
Topic: 8439 Message: 8439

I had a new issue(for me) pop up accidently tonight. I was playing around with the BINRX while listening to a 3B8 station and set the BINRX to MAIN and just pressed the NOTCH (SAF ON) button and my headphone audio disappeared! Nothing.. I turned the rig off then on (NO RESET) and the audio came back fine. I did it twice more and the same issue. External speaker works fine, just headphone audio disappears

Running Orion 1 - ver 3.032

Just wondering if anyone had that happen or can make it happen on their rig or it's just another little character flaw in my family!! It's not a operating issue at all just strange

73

John

KO4XJ

[Non-text portions of this message have been removed]

8440. Re: Headphone audio disappears

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-11 13:01:19 UTC
From: waynevk4eu
Topic: 8439 Message: 8440

Hi John I had the same issue head phone audio drpped out as soon as I switched the BIN RX on. I corrected it by reloading 3.025 and then 3.030 then 3.032 at the end of loading 3.032 part of that process is a master reset. Do not do another master reset as normal.

--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
>
> I had a new issue(for me) pop up accidently tonight. I was playing around
> with the BINRX while listening to a 3B8 station and set the BINRX to MAIN
> and just pressed the NOTCH (SAF ON) button and my headphone audio
> disappeared! Nothing.. I turned the rig off then on (NO RESET) and the audio
> came back fine. I did it twice more and the same issue. External speaker
> works fine, just headphone audio disappears
>
>
>
> Running Orion 1 - ver 3.032
>
>
>
> Just wondering if anyone had that happen or can make it happen on their rig
> or it's just another little character flaw in my family!! It's not a
> operating issue at all just strange
>
>
>
> 73
>
> John
>
> KO4XJ
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

8441. RE: [orion565] Re: Headphone audio disappears

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-11 13:21:48 UTC
From: John Hudson
Topic: 8439 Message: 8441

Thanks Wayne, I got it back now but had a little scare last night. After I sent the email out I just had to try 1 more time to recreate the problem. When I did something else happened, my VFO A went dead! Just as if the coax was disconnected. I could hear a station on VFO B but not on VFO A. I had not signals at all on VFO A. I tried to reset a couple of times and nothing It was about midnight and I just turned the rig off and got up this morning and fired it up and the same thing but I reloaded my setting using Onno's Orion Restore program and the both recvrs are fine now.. WHEW!! Weird stuff!

It's all good now

Thanks

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of waynevk4eu
Sent: Wednesday, July 11, 2012 8:01 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Headphone audio disappears

Hi John I had the same issue head phone audio drpped out as soon as I switched the BIN RX on. I corrected it by reloading 3.025 and then 3.030 then 3.032 at the end of loading 3.032 part of that process is a master reset. Do not do another master reset as normal.

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "John Hudson" <jd_hudson@...> wrote:
>
> I had a new issue(for me) pop up accidently tonight. I was playing around
> with the BINRX while listening to a 3B8 station and set the BINRX to MAIN
> and just pressed the NOTCH (SAF ON) button and my headphone audio
> disappeared! Nothing.. I turned the rig off then on (NO RESET) and the
audio
> came back fine. I did it twice more and the same issue. External speaker
> works fine, just headphone audio disappears
>
>
>
> Running Orion 1 - ver 3.032
>
>
>
> Just wondering if anyone had that happen or can make it happen on their
rig

> or it's just another little character flaw in my family!! It's not a
> operating issue at all just strange
>
>
>
> 73
>
> John
>
> KO4XJ
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

8442. Re: orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-12 14:08:00 UTC
From: Phil Sikes
Topic: 7358 Message: 8442

Onno, does your software work with Windows 7? If so I am very interested in trying it out.

Thanks - Phil N7UX

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> OT: OBR 2951 available
>
> Greetings,
>
> Some minor changes to the program which might be of use;
>
> 1- additional validation of backup sequence 2- v3 error backup settings can now be restored into v2 orion. the restore function will skip the v3 specific objects and hence not send them to v2 orion. 3- included 5 seconds timeout in case communication fails. 4- tested with v2 and v3 latest beta code and all seems to work smooth
>
> OBR setup 2951 standard.zip https://www.box.net/shared/gqbhq9ytnu6k470vy4pl
>
> OBR OBR OBR setup 2951 XP special.zip https://www.box.net/shared/ud2rpm53de946z8ueotj
>
> I had various responses on xp environment. Sometimes it works right away, sometimes one has to ensure windows update is completed prior to installation. I have created a new package using 4.x net and 3.1 installer which should make this a smooth ride too... please send me email hown it went?
>
> Best regards, onno
> --- In orion565@yahoogroups.com, "w3etc" <w3etc@> wrote:
> >
> > I understand that this software might be avaialable ? If I would sure like to try it for my OrionII
> >
> > Thanks Ed W3ETC
> >
> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > >
> > > Greetings,
> > >
> > > I am writing orion back and restore program and looking for couple of operators who would like to test the program. At present it is windows based control and you can store multiple backups within the backup file.
> > >
> > > Let me know if you are interested and on what windows version you will run the software. Second, please advice orion type 565 /566.
> > >

> > > Regards, onno
> > >
> >
>

8443. Re: Should I upgrade the firmware version?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-12 21:58:17 UTC
From: k1fpv
Topic: 8437 Message: 8443

Thanks Wes,

I updated my Orion II to version 3.029 and like it so far. I had trouble updating with my Windows XP machine and one of my Windows 7 machine. Finally got things up and running. Guess the new update software is touchy as I have no trouble controlling my O2 with both my machines using the N4PY software.

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "Wes Attaway \(N5WA\)" <wesattaway@...> wrote:
>
> Yes, you should do it because the radio works better with the latest
> firmware. It corrects a number of problems.
>
>
>
> ----------------- Wes Attaway (N5WA) -------------------
> 1138 Waters Edge Circle, Shreveport, LA 71106
> 318-797-4972 (Office) - 318-393-3289 (Cell)
> Computer Consulting and Forensics
> -------------- EnCase Certified Examiner ---------------
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of k1fpv
> Sent: Tuesday, July 10, 2012 4:33 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Should I upgrade the firmware version?
>
>
>
>
>
>
> Hi Everyone,
>
> I'm currently using my Orion II with firmware version 2.044a without any
> problems. I feel since I rarely ever use the second receiver, I've decided
> not to upgrade the receiver.
>
> Will I gain anything if I upgrade to the new firmware version 3.029 or is it
> primarily for Orions with the new second receiver?
>
> 73,
> Bill/K1FPV

>
>
>
>
>
> [Non-text portions of this message have been removed]
>

8444. Re: Should I upgrade the firmware version?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-13 07:31:57 UTC
From: storygene
Topic: 8437 Message: 8444

Hello Bill,

You are experiencing hardware issues in the computer, not a problem with the firmware. Continuous stream of data can be clipped by hardware that receives Interrupts to service something else. You won't see this as an issue with software like N4PY, HRD, logging programs, etc. because they do not require the full attention of the processor for long (relative) periods of time without interruption.

Anyway, no worries about the firmware. If you get a handle on what is going on inside your computer, your situation can be resolved. You might be surprised the number of things happening in the background on most computers when you think the computer is just sitting there.

Gene / K7TXO

--- In orion565@yahoogroups.com, "k1fpv" <k1fpv@...> wrote:
>
> Thanks Wes,
>
> I updated my Orion II to version 3.029 and like it so far. I had trouble updating with my Windows XP machine and one of my Windows 7 machine. Finally got things up and running. Guess the new update software is touchy as I have no trouble controlling my O2 with both my machines using the N4PY software.
>
> 73,
> Bill/K1FPV
>
>
>
> --- In orion565@yahoogroups.com, "Wes Attaway \(N5WA\)" <wesattaway@> wrote:
> >
> > Yes, you should do it because the radio works better with the latest
> > firmware. It corrects a number of problems.
> >
> >
> >
> > ----------------- Wes Attaway (N5WA) -------------------
> > 1138 Waters Edge Circle, Shreveport, LA 71106
> > 318-797-4972 (Office) - 318-393-3289 (Cell)
> > Computer Consulting and Forensics
> > -------------- EnCase Certified Examiner ---------------
> >
> > _____
> >
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > Of k1fpv

> > Sent: Tuesday, July 10, 2012 4:33 PM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] Should I upgrade the firmware version?
> >
> >
> >
> >
> >
> > Hi Everyone,
> >
> > I'm currently using my Orion II with firmware version 2.044a without any
> > problems. I feel since I rarely ever use the second receiver, I've decided
> > not to upgrade the receiver.
> >
> > Will I gain anything if I upgrade to the new firmware version 3.029 or is it
> > primarily for Orions with the new second receiver?
> >
> > 73,
> > Bill/K1FPV
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

8445. SETTING UP HAM RADIO DELUXE ON THE ORION

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-14 00:02:11 UTC
From: Poppy
Topic: 8445 Message: 8445

HELLO,

I WAS WONDERING IF ANYONE OUT THERE COULD TELL ME WHAT IS REQUIRED TO CONNECT THE ORION ON HRD. I CAN GET IT TO WORK ON N4PY SOFTWARE AND I WAS ABLE TO USE THE USB TO SERIAL CABLE TO

SET UP FIRMWARE UPDATES BUT I CANNOT GET IT TO WORK ON HAM RADIO DELUXE. ANY HELP WOULD BE GREATLY APPRECIATED.

HARRY

AH6FF/W3

[Non-text portions of this message have been removed]

8446. Re: orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-14 09:02:48 UTC
From: pa1ap
Topic: 7358 Message: 8446

I know several people installed and use the program on windows 7. You can download the latest version and see if it works. Best regards, onno

--- In orion565@yahoogroups.com, "Phil Sikes" <psikes@...> wrote:
>
> Onno, does your software work with Windows 7? If so I am very interested in trying it out.
>
> Thanks - Phil N7UX
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > OT: OBR 2951 available
> >
> > Greetings,
> >
> > Some minor changes to the program which might be of use;
> >
> > 1- additional validation of backup sequence 2- v3 error backup settings can now be restored into v2 orion. the restore function will skip the v3 specific objects and hence not send them to v2 orion. 3- included 5 seconds timeout in case communication fails. 4- tested with v2 and v3 latest beta code and all seems to work smooth
> >
> > OBR setup 2951 standard.zip https://www.box.net/shared/gqbhq9ytnu6k470vy4pl
> >
> > OBR OBR OBR setup 2951 XP special.zip https://www.box.net/shared/ud2rpm53de946z8ueotj
> >
> > I had various responses on xp environment. Sometimes it works right away, sometimes one has to ensure windows update is completed prior to installation. I have created a new package using 4.x net and 3.1 installer which should make this a smooth ride too... please send me email hown it went?
> >
> > Best regards, onno
> > --- In orion565@yahoogroups.com, "w3etc" <w3etc@> wrote:
> > >
> > > I understand that this software might be avaialable ? If I would sure like to try it for my OrionII
> > >
> > > Thanks Ed W3ETC
> > >
> > > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > > >
> > > > Greetings,
> > > >
> > > > I am writing orion back and restore program and looking for couple of operators who

would like to test the program. At present it is windows based control and you can store multiple backups within the backup file.
> > > >
> > > > Let me know if you are interested and on what windows version you will run the software. Second, please advice orion type 565 /566.
> > > >
> > > > Regards, onno
> > > >
> > >
> >
>

8447. Re: orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-14 09:08:17 UTC
From: pa1ap
Topic: 7358 Message: 8447

https://www.box.com/pa1ap

Above should provide access to the latest software 2053.

best regards, onno

--- In orion565@yahoogroups.com, "Phil Sikes" <psikes@...> wrote:
>
> Onno, does your software work with Windows 7? If so I am very interested in trying it out.
>
> Thanks - Phil N7UX
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > OT: OBR 2951 available
> >
> > Greetings,
> >
> > Some minor changes to the program which might be of use;
> >
> > 1- additional validation of backup sequence 2- v3 error backup settings can now be restored into v2 orion. the restore function will skip the v3 specific objects and hence not send them to v2 orion. 3- included 5 seconds timeout in case communication fails. 4- tested with v2 and v3 latest beta code and all seems to work smooth
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> >
> > I had various responses on xp environment. Sometimes it works right away, sometimes one has to ensure windows update is completed prior to installation. I have created a new package using 4.x net and 3.1 installer which should make this a smooth ride too... please send me email hown it went?
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> > Best regards, onno
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> > > Thanks Ed W3ETC
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> > > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > > >
> > > > Greetings,

> > > >
> > > > I am writing orion back and restore program and looking for couple of operators who would like to test the program. At present it is windows based control and you can store multiple backups within the backup file.
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> > > >
> > > > Regards, onno
> > > > >
> > > >
> > >
>

8448. Re: SETTING UP HAM RADIO DELUXE ON THE ORION

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-14 11:23:23 UTC
From: Edward Feustel
Topic: 8445 Message: 8448

I use it on my Orion and have no problem.

Which version of HRD are you using?
Are you using a serial port? Which Com port?
Are you using the 56K rate?
How have you set the COM port's signaling?
Is this the same set of settings that you use with N4PY?
What operating system are you using?
I assume that you are not using another program
requiring the port that N4PY uses simultaneously
with HRD.
73,

Ed, N5EI

8449. Re: SETTING UP HAM RADIO DELUXE ON THE ORION

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-14 11:51:24 UTC
From: iamw8py
Topic: 8445 Message: 8449

Had the same thing with my Orion 1 fisrt try selecting the eagle and if it works then disconnect from it .then try a new connection to the Orion, that worked for me I hope this helps .
73 DE W8PY

--- In orion565@yahoogroups.com, "Poppy" <harry.large@...> wrote:
>
> HELLO,
>
> I WAS WONDERING IF ANYONE OUT THERE COULD TELL ME WHAT IS REQUIRED TO
> CONNECT THE ORION ON HRD. I CAN GET IT TO WORK ON N4PY SOFTWARE AND I WAS
> ABLE TO USE THE USB TO SERIAL CABLE TO
>
> SET UP FIRMWARE UPDATES BUT I CANNOT GET IT TO WORK ON HAM RADIO DELUXE. ANY
> HELP WOULD BE GREATLY APPRECIATED.
>
> HARRY
>
> AH6FF/W3
>
>
>
> [Non-text portions of this message have been removed]
>

8450. Re: orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-14 14:02:57 UTC
From: Phil Sikes
Topic: 7358 Message: 8450

It worked like a champ Onno. Thanks,

Phil N7UX

That which can be asserted without evidence can be dismissed without evidence.

Christopher Hitchens

[Non-text portions of this message have been removed]

8451. RE: [orion565] Re: orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-14 14:29:41 UTC
From: Wes Attaway (N5WA)
Topic: 7358 Message: 8451

I've used the software with Windows7 and had no problems at all.

---------- Wes Attaway (N5WA) ----------
1138 Waters Edge Circle, Shreveport, LA 71106
318-797-4972 (Office) - 318-393-3289 (Cell)
Computer Consulting and Forensics
---------- EnCase Certified Examiner ----------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Saturday, July 14, 2012 4:08 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: orion back and restore function

https://www.box.com/pa1ap

Above should provide access to the latest software 2053.

best regards, onno

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "Phil Sikes" <psikes@...> wrote:
>
> Onno, does your software work with Windows 7? If so I am very interested in trying it out.
>
> Thanks - Phil N7UX
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "pa1ap" <pa1ap@> wrote:
> >
> > OT: OBR 2951 available
> >
> > Greetings,
> >
> > Some minor changes to the program which might be of use;
> >
> > 1- additional validation of backup sequence 2- v3 error backup settings can now be restored into v2 orion. the restore function will skip the v3 specific objects and hence not send them to v2 orion. 3- included 5 seconds timeout in case communication fails. 4- tested with v2 and v3 latest beta code and all seems to work smooth
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> > OBR OBR OBR setup 2951 XP special.zip
https://www.box.net/shared/ud2rpm53de946z8ueotj
> >
> > I had various responses on xp environment. Sometimes it works right
away, sometimes one has to ensure windows update is completed prior to
installation. I have created a new package using 4.x net and 3.1 installer
which should make this a smooth ride too... please send me email hown it
went?
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> > Best regards, onno
> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
"w3etc" <w3etc@> wrote:
> > >
> > > I understand that this software might be avaialable ? If I would sure
like to try it for my OrionII
> > >
> > > Thanks Ed W3ETC
> > >
> > > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
"pa1ap" <pa1ap@> wrote:
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> > > > Greetings,
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> > > > I am writing orion back and restore program and looking for couple
of operators who would like to test the program. At present it is windows
based control and you can store multiple backups within the backup file.
> > > >
> > > > Let me know if you are interested and on what windows version you
will run the software. Second, please advice orion type 565 /566.
> > > >
> > > > Regards, onno
> > > >
> > >
> >
>

[Non-text portions of this message have been removed]

8452. Re: SETTING UP HAM RADIO DELUXE ON THE ORION

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-14 14:41:34 UTC
From: WB2RHM
Topic: 8445 Message: 8452

Harry,

I have an Orion 565 (classic Orion) running with the latest HRD (ver 5+ something).

At first, I could not get my Orion to successfully do the HRD initial "connect" sequence operation. But, after some reading, I found that HRD 'resets' the USB-to-Serial interface control line states for DTR, CTS, and RTS to an 'off' state. Other programs, like N1MM or N4PY do not seem do this.

The USB to Serial cable I use (and you may be using a similar type) needs to have its RTS line set "on", to supply power to its chips, allowing communication between computer and radio. HRD has a setup 'setting' to turn-on the RTS line before attempting to 'connect' (which includes things like trying to read the frequency of the orion vfos)

Suggest you check the HRD interface 'control line' setting on the 'Connect' options.

Gud Luck, 73,

Ben - WB2RHM

--- In orion565@yahoogroups.com, "Poppy" <harry.large@...> wrote:
>
> HELLO,
>
> I WAS WONDERING IF ANYONE OUT THERE COULD TELL ME WHAT IS REQUIRED TO
> CONNECT THE ORION ON HRD. I CAN GET IT TO WORK ON N4PY SOFTWARE AND I WAS
> ABLE TO USE THE USB TO SERIAL CABLE TO
>
> SET UP FIRMWARE UPDATES BUT I CANNOT GET IT TO WORK ON HAM RADIO DELUXE. ANY
> HELP WOULD BE GREATLY APPRECIATED.
>
> HARRY
>
> AH6FF/W3
>
>
>
> [Non-text portions of this message have been removed]
>

8453. RE: [orion565] Re: SETTING UP HAM RADIO DELUXE ON THE ORION

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-14 14:50:49 UTC
From: Poppy
Topic: 8445 Message: 8453

Good Morning,

Thank your for the Info. It worked fine once I picked the Eagle First then I chose the Orion and it popped right up. I really appreciate the info. I just picked up my orion 565 last week and I am very pleased with it. I did do the firmware updates . Again thanks

Harry AH6FF/w3

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of iamw8py
Sent: Saturday, July 14, 2012 7:51 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: SETTING UP HAM RADIO DELUXE ON THE ORION

Had the same thing with my Orion 1 fisrt try selecting the eagle and if it works then disconnect from it .then try a new connection to the Orion, that worked for me I hope this helps .
73 DE W8PY

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "Poppy" <harry.large@...> wrote:
>
> HELLO,
>
> I WAS WONDERING IF ANYONE OUT THERE COULD TELL ME WHAT IS REQUIRED TO
> CONNECT THE ORION ON HRD. I CAN GET IT TO WORK ON N4PY SOFTWARE AND I WAS
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> SET UP FIRMWARE UPDATES BUT I CANNOT GET IT TO WORK ON HAM RADIO DELUXE. ANY
> HELP WOULD BE GREATLY APPRECIATED.
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> HARRY
>
> AH6FF/W3
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

8454. RE: [orion565] Re: SETTING UP HAM RADIO DELUXE ON THE ORION

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-14 14:52:08 UTC
From: Poppy
Topic: 8445 Message: 8454

Thanks Ben I got it working and I really appreciate all the help

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of WB2RHM
Sent: Saturday, July 14, 2012 10:42 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: SETTING UP HAM RADIO DELUXE ON THE ORION

Harry,

I have an Orion 565 (classic Orion) running with the latest HRD (ver 5+ something).

At first, I could not get my Orion to successfully do the HRD initial "connect" sequence operation. But, after some reading, I found that HRD 'resets' the USB-to-Serial interface control line states for DTR, CTS, and RTS to an 'off' state. Other programs, like N1MM or N4PY do not seem do this.

The USB to Serial cable I use (and you may be using a similar type) needs to have its RTS line set "on", to supply power to its chips, allowing communication between computer and radio. HRD has a setup 'setting' to turn-on the RTS line before attempting to 'connect' (which includes things like trying to read the frequency of the orion vfos)

Suggest you check the HRD interface 'control line' setting on the 'Connect' options.

Gud Luck, 73,

Ben - WB2RHM

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "Poppy" <harry.large@...> wrote:
>
> HELLO,
>
> I WAS WONDERING IF ANYONE OUT THERE COULD TELL ME WHAT IS REQUIRED TO
> CONNECT THE ORION ON HRD. I CAN GET IT TO WORK ON N4PY SOFTWARE AND I WAS
> ABLE TO USE THE USB TO SERIAL CABLE TO
>
> SET UP FIRMWARE UPDATES BUT I CANNOT GET IT TO WORK ON HAM RADIO DELUXE. ANY
> HELP WOULD BE GREATLY APPRECIATED.
>
> HARRY
>

> AH6FF/W3
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

8455. RE: [orion565] Re: SETTING UP HAM RADIO DELUXE ON THE ORION

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-14 14:53:30 UTC
From: Poppy
Topic: 8445 Message: 8455

George ,

Thanks for the help. With the help of several people got it running.

Harry

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Edward Feustel
Sent: Saturday, July 14, 2012 7:23 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: SETTING UP HAM RADIO DELUXE ON THE ORION

I use it on my Orion and have no problem.

Which version of HRD are you using?
Are you using a serial port? Which Com port?
Are you using the 56K rate?
How have you set the COM port's signaling?
Is this the same set of settings that you use with N4PY?
What operating system are you using?
I assume that you are not using another program
requiring the port that N4PY uses simultaneously
with HRD.
73,

Ed, N5EI

[Non-text portions of this message have been removed]

8456. Re: Should I upgrade the firmware version?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-14 16:45:09 UTC
From: k1fpv
Topic: 8437 Message: 8456

Thanks Gene,

The computer I finally used was a stand alone machine, so what you say makes much sense. It is ironic in that the first computer I used, I control the Orion II using the N4PY software as well as HRD 5.11 without any issues. Next time I update, I might try disabling everything but the virus protection and the update program and see what happens.

Thanks again for the info and have a great weekend!

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "storygene" <k7txo@...> wrote:
>
> Hello Bill,
>
> You are experiencing hardware issues in the computer, not a problem with the firmware. Continuous stream of data can be clipped by hardware that receives Interrupts to service something else. You won't see this as an issue with software like N4PY, HRD, logging programs, etc. because they do not require the full attention of the processor for long (relative) periods of time without interruption.
>
> Anyway, no worries about the firmware. If you get a handle on what is going on inside your computer, your situation can be resolved. You might be surprised the number of things happening in the background on most computers when you think the computer is just sitting there.
>
> Gene / K7TXO
>
>
> --- In orion565@yahoogroups.com, "k1fpv" <k1fpv@> wrote:
> >
> > Thanks Wes,
> >
> > I updated my Orion II to version 3.029 and like it so far. I had trouble updating with my Windows XP machine and one of my Windows 7 machine. Finally got things up and running. Guess the new update software is touchy as I have no trouble controlling my O2 with both my machines using the N4PY software.
> >
> > 73,
> > Bill/K1FPV
> >
> >
> >
> > --- In orion565@yahoogroups.com, "Wes Attaway \(N5WA\)" <wesattaway@> wrote:
> > >

> > > Yes, you should do it because the radio works better with the latest
> > > firmware. It corrects a number of problems.
> > >
> > >
> > >
> > > ----------------- Wes Attaway (N5WA) -------------------
> > > 1138 Waters Edge Circle, Shreveport, LA 71106
> > > 318-797-4972 (Office) - 318-393-3289 (Cell)
> > > Computer Consulting and Forensics
> > > -------------- EnCase Certified Examiner ---------------
> > >
> > > _____
> > >
> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > > Of k1fpv
> > > Sent: Tuesday, July 10, 2012 4:33 PM
> > > To: orion565@yahoogroups.com
> > > Subject: [orion565] Should I upgrade the firmware version?
> > >
> > >
> > >
> > >
> > >
> > > Hi Everyone,
> > >
> > > I'm currently using my Orion II with firmware version 2.044a without any
> > > problems. I feel since I rarely ever use the second receiver, I've decided
> > > not to upgrade the receiver.
> > >
> > > Will I gain anything if I upgrade to the new firmware version 3.029 or is it
> > > primarily for Orions with the new second receiver?
> > >
> > > 73,
> > > Bill/K1FPV
> > >
> > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
>

8457. RF Power menu options for Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-15 16:22:59 UTC
From: John_Tn
Topic: 8457 Message: 8457

I wish the Orion had a menu option to adjust the maximum RF power "Limit" to say 5,10,25,50 & 100 Watts like many other rigs.
I would like to have this feature because most of the time I don't want to drive my HF Amplifier with more than 50 Watts and it is easy to accidently turn the RF power knob over that especially when contesting and you have to work fast.
Also for those QRP'ers you can just lock the rig to 5W MAX.
Does any think this could be added to a future OS update?
Anyway just a whish .

John

8458. Re: RF Power menu options for Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-15 19:39:06 UTC
From: k1fpv
Topic: 8457 Message: 8458

Hi John,

Well, if you have an accurate watt-meter, you can make a chart much like I have. My Orion II when I reduce the power level to # 1 on the PWR button, the output is between 3.35 and 4.20 watts depending on the band in the CW mode. As you adjust it upwards, it increases in each step from #1 to #100. At #100, it is between 95.5 and 101.6 watts depending on the band as measured on my Telepost LP-100A Digital Vector Wattmeter. The meter was compared for accuracy against a calibration standard and was within 2% accuracy.

Just put your Orion in the CW position and start keying at power level #1 and work your way up to make the chart.

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@...> wrote:
>
> I wish the Orion had a menu option to adjust the maximum RF power "Limit" to say 5,10,25,50 & 100 Watts like many other rigs.
> I would like to have this feature because most of the time I don't want to drive my HF Amplifier with more than 50 Watts and it is easy to accidently turn the RF power knob over that especially when contesting and you have to work fast. Also for those QRP'ers you can just lock the rig to 5W MAX.
> Does any think this could be added to a future OS update?
> Anyway just a whish .
>
> John
>

8459. Re: RF Power menu options for Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-15 20:30:26 UTC
From: pa1ap
Topic: 8457 Message: 8459

The menu controlled pwr limit would need to be band specific due to differences in output power per band. Indication of 50 watts on 40m or 10m will result in different power out values. Perhaps it could follow the same as the mic settings which can be per band or global too... regards, onno

--- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@...> wrote:
>
> I wish the Orion had a menu option to adjust the maximum RF power "Limit" to say 5,10,25,50 & 100 Watts like many other rigs.
> I would like to have this feature because most of the time I don't want to drive my HF Amplifier with more than 50 Watts and it is easy to accidently turn the RF power knob over that especially when contesting and you have to work fast. Also for those QRP'ers you can just lock the rig to 5W MAX.
> Does any think this could be added to a future OS update?
> Anyway just a whish .
>
> John
>

8461. Re: RF Power menu options for Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-15 23:49:26 UTC
From: John_Tn
Topic: 8457 Message: 8461

Yes Onono, Mic and RF power per band would be awesome!

Maybe I should have added the word "Relative" RF output power. Now of course the Actual RF power will vary due to band and loading but just like on many other rigs on the market (Yaesu, Icom, Kenwwod, and Elecraft) they offer a menu option to set the "Relative" maximum RF output power and yes even those rigs when they say 50W doesn't mean exactly 50W. I didn't mean Exact to the watt I just meant "approximately".

So for example if the rig had this menu option to say set the max output to 50W that would be measured as 50W into a perfect 50 ohm load.

Now if you wanted to expand on this idea you could say add band specific RF power settings and if you wanted to be really fancy allow the user to set a maximum RF power anywhere from 1 to 100W this way if you use a calibrated RF power meter you could set the "Actual" / "Exact" output power to just where you want it.

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> The menu controlled pwr limit would need to be band specific due to differences in output power per band. Indication of 50 watts on 40m or 10m will result in different power out values. Perhaps it could follow the same as the mic settings which can be per band or global too... regards, onno
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> > --- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@> wrote:
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> > > I wish the Orion had a menu option to adjust the maximum RF power "Limit" to say 5,10,25,50 & 100 Watts like many other rigs.
> > > I would like to have this feature because most of the time I don't want to drive my HF Amplifier with more than 50 Watts and it is easy to accidently turn the RF power knob over that especially when contesting and you have to work fast. Also for those QRP'ers you can just lock the rig to 5W MAX.
> > > Does any think this could be added to a future OS update?
> > > Anyway just a whish .
> > >
> > > John
> > >
> >

8462. Orion 565 LCD Contrast & Power Distribution Board

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-19 13:41:36 UTC
From: Rick W
Topic: 8462 Message: 8462

For the last several months my Orion (565) has had a screen contrast problem at start-up. Last week I noticed that is was still there but somewhat quicker than it was in the winter months. I thought perhaps I was imagining things so I shut down the rig and rebooted. The screen came up at the correct contrast immediately.

What was going on? The following morning when I turned on the rig I timed the process. Virtually a white screen at start-up and then some contrast at 30 seconds and close to full useable contrast after 2 minutes. Putting all this together suggested something in the circuit was responding to ambient temperature. It was time to dig out the schematics.

The first thought of a culprit was C700 on the logic board (Schematic A7 sheet 15 of 16). C700 is in the contrast line to the LCD and immediately follows the hardware contrast adjustment pot. If this capacitor was leaking or had some temperature stability problem it could be the culprit. I replaced the 4.7 uF @35VDC capacitor but nothing changed.

I felt that my LCD screen was likely good since it was relatively new. So I began to look elsewhere and noticed that the "bottom" of the contrast pot and one end of C700 were tied to VEE.

VEE is generated on the infamous power distribution board and nominally is about -20.5 VDC. So with the rig cool I monitored the VEE at start-up. In a period of 2 minutes it slowly climbed from about -18.5 VDC to -20.1 VDC and then stabilized. This timing matched my Orion screen contrast.

I looked at the power distribution board circuit (schematic A9) and replaced C1 (100 uF @35 VDC) and C3 and 4 (10 uF @50VDC).

After an overnight cool down of the Orion I am happy to announce that this morning there is NO delay in reaching full usable screen contrast at start-up!

73,
Rick
VE7TK

Website: http://www.ve7tk.com

[Non-text portions of this message have been removed]

8463. Re: RF Power menu options for Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-19 14:16:42 UTC
From: ve7tk
Topic: 8457 Message: 8463

There are other options.

I use N4PY software to control my Orion 565. Per band mic and power settings are maintained by this external software.

73, Rick
VE7TK

--- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@...> wrote:
>
> Yes Onono, Mic and RF power per band would be awesome!
>
> Maybe I should have added the word "Relative" RF output power. Now of course the
> Actual RF power will vary due to band and loading but just like on many other
> rigs on the market (Yaesu, Icom, Kenwwod, and Elecraft) they offer a menu option
> to set the "Relative" maximum RF output power and yes even those rigs when they
> say 50W doesn't mean exactly 50W. I didn't mean Exact to the watt I just meant
> "approximately".
>
> So for example if the rig had this menu option to say set the max output to 50W
> that would be measured as 50W into a perfect 50 ohm load.
>
> Now if you wanted to expand on this idea you could say add band specific RF
> power settings and if you wanted to be really fancy allow the user to set a
> maximum RF power anywhere from 1 to 100W this way if you use a calibrated RF
> power meter you could set the "Actual" / "Exact" output power to just where you
> want it.
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> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
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> > The menu controlled pwr limit would need to be band specific due to differences in output power per band. Indication of 50 watts on 40m or 10m will result in different power out values. Perhaps it could follow the same as the mic settings which can be per band or global too... regards, onno
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> > --- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@> wrote:
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> > > I wish the Orion had a menu option to adjust the maximum RF power "Limit" to say 5,10,25,50 & 100 Watts like many other rigs.
> > > I would like to have this feature because most of the time I don't want to drive my HF Amplifier with more than 50 Watts and it is easy to accidently turn the RF power knob over that especially when contesting and you have to work fast. Also for those QRP'ers you can just lock the rig to 5W MAX.
> > > Does any think this could be added to a future OS update?
> > > Anyway just a whish .

> > >
> > > John
> > >
> >
>

8464. Lost 5VDC supply

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-19 21:11:40 UTC
From: n4uc_2
Topic: 8464 Message: 8464

All of a sudden, I lost the 5VDC output from the A9 PS board. The -20.5 V to the display is still good. The voltages around the NTE378 are all 13V or greater. The 13.8VDC input to the board is still good.
Anybody have an idea what the voltages around the 5V section of the board should be?

TNX, Art N4UC

8465. Here's a problem you've not seen before....

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-20 04:20:02 UTC
From: Mike, K9UW
Topic: 8465 Message: 8465

Greetings to the group:

After deciding to clean up the rat's nest of cables behind my rigs (what was I thinking?) I began to remove cables from their respective plugs on the back of my 565. All was well until I pulled the 1/8" stereo plug from the CW jack. Something didn't seem quite right and a closer look revealed that the plug was missing its tip.

Yup. The missing tip is still in the jack.

The jack is completely covered with plastic, so accessing the lodged plug tip from the interior of the radio is out unless there is some way to open the plastic jack housing without destroying it. At this point, I am faced with ordering and installing a replacement jack, a procedure which will require removing the back panel of the radio. Since I have nothing to lose at this point, I am also contemplating super glue on the end of a toothpick, or trying tiny drill bits to grab and extract the lodged tip.

Does anyone have prior experience with this? Any ideas or suggestions?

OK....you can stop laughing now.

73, de Mike, K9UW
Amherst, WI

8466. Re: [orion565] Here's a problem you've not seen before....

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-20 10:31:45 UTC
From: Richard
Topic: 8465 Message: 8466

A magnet might pull it out.

C. Richard Pumphrey

NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

On Jul 20, 2012, at 12:20 AM, "Mike, K9UW" <k9uw@...> wrote:

> Greetings to the group:
>
> After deciding to clean up the rat's nest of cables behind my rigs (what
> was I thinking?) I began to remove cables from their respective plugs on
> the back of my 565. All was well until I pulled the 1/8" stereo plug
> from the CW jack. Something didn't seem quite right and a closer look
> revealed that the plug was missing its tip.
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> Yup. The missing tip is still in the jack.
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> The jack is completely covered with plastic, so accessing the lodged
> plug tip from the interior of the radio is out unless there is some way
> to open the plastic jack housing without destroying it. At this point,
> I am faced with ordering and installing a replacement jack, a procedure
> which will require removing the back panel of the radio. Since I have
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> end of a toothpick, or trying tiny drill bits to grab and extract the
> lodged tip.
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> Does anyone have prior experience with this? Any ideas or suggestions?
>
> OK....you can stop laughing now.
>
> 73, de Mike, K9UW
> Amherst, WI
>
>
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>
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>
>
>

[Non-text portions of this message have been removed]

8467. RE: [orion565] Here's a problem you've not seen before....

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-20 12:24:29 UTC
From: John Hudson
Topic: 8465 Message: 8467

WOW Mike you're right, I haven't heard of that one before… BUT be careful with the drill bit ideal, you don't want any metal shavings to fall into unwanted components. I've had the back off mine and cannot tell you what's right in the area but I know Murphy lives in my shack and if it can go wrong, IT WILL! Be care when you remove the back, lots of jumper wires and some are short so not a lot of working room but it's doable. I had to replace the DC cable to the power board so there's room but be careful when removing.

Another ideal kinda like the super glue, maybe a new pencil that is flat and take some type of epoxy and that will give you a larger area to grab hold of the tip

Good luck

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Richard
Sent: Friday, July 20, 2012 5:32 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Here's a problem you've not seen before....

A magnet might pull it out.

C. Richard Pumphrey

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On Jul 20, 2012, at 12:20 AM, "Mike, K9UW" <k9uw@... <mailto:k9uw%40wi-net.com> > wrote:

> Greetings to the group:
>
> After deciding to clean up the rat's nest of cables behind my rigs (what
> was I thinking?) I began to remove cables from their respective plugs on
> the back of my 565. All was well until I pulled the 1/8" stereo plug
> from the CW jack. Something didn't seem quite right and a closer look
> revealed that the plug was missing its tip.
>
> Yup. The missing tip is still in the jack.
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> The jack is completely covered with plastic, so accessing the lodged
> plug tip from the interior of the radio is out unless there is some way
> to open the plastic jack housing without destroying it. At this point,
> I am faced with ordering and installing a replacement jack, a procedure
> which will require removing the back panel of the radio. Since I have

> nothing to lose at this point, I am also contemplating super glue on the
> end of a toothpick, or trying tiny drill bits to grab and extract the
> lodged tip.
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> Does anyone have prior experience with this? Any ideas or suggestions?
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> OK....you can stop laughing now.
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> 73, de Mike, K9UW
> Amherst, WI
>
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>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8468. Re: Here's a problem you've not seen before....

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-20 23:46:21 UTC
From: John_Tn
Topic: 8465 Message: 8468

Hey Mike,
That's a though problem to fix easily. Now there a few things you can try, 1 is to fish a very thin piece of wire into the jack and try to hook onto the tip that's stuck in the jack and pull it out. 2 I'm not sure what the jack looks like in the board but sometimes there's a way to get to the back of the jack and push the tip out with a tiny jewelers screw driver. But what I really recommend is that you just order a new jack from ten tec and just replace it because even if you remove the tip from the jack I may get damaged trying and definitely don't put glue in the jack that won't work.
The jack will only cost you a few dollars and a few minutes of you time to replace.
Good Luck

--- In orion565@yahoogroups.com, "Mike, K9UW" <k9uw@...> wrote:
>
> Greetings to the group:
>
> After deciding to clean up the rat's nest of cables behind my rigs (what
> was I thinking?) I began to remove cables from their respective plugs on
> the back of my 565. All was well until I pulled the 1/8" stereo plug
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> which will require removing the back panel of the radio. Since I have
> nothing to lose at this point, I am also contemplating super glue on the
> end of a toothpick, or trying tiny drill bits to grab and extract the
> lodged tip.
>
> Does anyone have prior experience with this? Any ideas or suggestions?
>
> OK....you can stop laughing now.
>
> 73, de Mike, K9UW
> Amherst, WI
>

8469. Re: Here's a problem you've not seen before....

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-21 13:16:00 UTC
From: pa1ap
Topic: 8465 Message: 8469

Perhaps you can use gravity in your advantage? turn the orion with the front to the floor and poke with a small and stiff wire (paper clip) into the hole. if the tip is floating it might just fall out. Regards, onno

--- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@...> wrote:
>
> Hey Mike,
> That's a though problem to fix easily. Now there a few things you can try, 1 is to fish a very thin piece of wire into the jack and try to hook onto the tip that's stuck in the jack and pull it out. 2 I'm not sure what the jack looks like in the board but sometimes there's a way to get to the back of the jack and push the tip out with a tiny jewelers screw driver. But what I really recommend is that you just order a new jack from ten tec and just replace it because even if you remove the tip from the jack I may get damaged trying and definitely don't put glue in the jack that won't work.
> The jack will only cost you a few dollars and a few minutes of you time to replace.
> Good Luck
>
>
> --- In orion565@yahoogroups.com, "Mike, K9UW" <k9uw@> wrote:
> >
> > Greetings to the group:
> >
> > After deciding to clean up the rat's nest of cables behind my rigs (what
> > was I thinking?) I began to remove cables from their respective plugs on
> > the back of my 565. All was well until I pulled the 1/8" stereo plug
> > from the CW jack. Something didn't seem quite right and a closer look
> > revealed that the plug was missing its tip.
> >
> > Yup. The missing tip is still in the jack.
> >
> > The jack is completely covered with plastic, so accessing the lodged
> > plug tip from the interior of the radio is out unless there is some way
> > to open the plastic jack housing without destroying it. At this point,
> > I am faced with ordering and installing a replacement jack, a procedure
> > which will require removing the back panel of the radio. Since I have
> > nothing to lose at this point, I am also contemplating super glue on the
> > end of a toothpick, or trying tiny drill bits to grab and extract the
> > lodged tip.
> >
> > Does anyone have prior experience with this? Any ideas or suggestions?
> >
> > OK....you can stop laughing now.
> >
> > 73, de Mike, K9UW
> > Amherst, WI

> >
>

8470. Transverters

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-21 13:24:15 UTC
From: harrylarge
Topic: 8470 Message: 8470

Good Morning,
looking for some advice on transverters for use with the Orion , Interested in 2 meter and 6 meter . Any info would be appreciated.
Harry Large
USAF SMSGT Retired
AH6FF

[Non-text portions of this message have been removed]

8471. Re: Here's a problem you've not seen before....

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-21 13:34:19 UTC
From: pa1ap
Topic: 8465 Message: 8471

Perhaps you can use gravity in your advantage? turn the orion with the front to the floor and poke with a small and stiff wire (paper clip) into the hole. if the tip is floating it might just fall out. Regards, onno

--- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@...> wrote:
>
> Hey Mike,
> That's a though problem to fix easily. Now there a few things you can try, 1 is to fish a very thin piece of wire into the jack and try to hook onto the tip that's stuck in the jack and pull it out. 2 I'm not sure what the jack looks like in the board but sometimes there's a way to get to the back of the jack and push the tip out with a tiny jewelers screw driver. But what I really recommend is that you just order a new jack from ten tec and just replace it because even if you remove the tip from the jack I may get damaged trying and definitely don't put glue in the jack that won't work.
> The jack will only cost you a few dollars and a few minutes of you time to replace.
> Good Luck
>
>
> --- In orion565@yahoogroups.com, "Mike, K9UW" <k9uw@> wrote:
> >
> > Greetings to the group:
> >
> > After deciding to clean up the rat's nest of cables behind my rigs (what
> > was I thinking?) I began to remove cables from their respective plugs on
> > the back of my 565. All was well until I pulled the 1/8" stereo plug
> > from the CW jack. Something didn't seem quite right and a closer look
> > revealed that the plug was missing its tip.
> >
> > Yup. The missing tip is still in the jack.
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> > plug tip from the interior of the radio is out unless there is some way
> > to open the plastic jack housing without destroying it. At this point,
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> > which will require removing the back panel of the radio. Since I have
> > nothing to lose at this point, I am also contemplating super glue on the
> > end of a toothpick, or trying tiny drill bits to grab and extract the
> > lodged tip.
> >
> > Does anyone have prior experience with this? Any ideas or suggestions?
> >
> > OK....you can stop laughing now.
> >
> > 73, de Mike, K9UW
> > Amherst, WI

> >
>

8472. Re: Here's a problem you've not seen before....

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-21 14:26:11 UTC
From: pa1ap
Topic: 8465 Message: 8472

Perhaps combined with using a straw (milkshake) to push all internal contacts away... I think the mcdonalds straws might have the correct diameter for this.
--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Perhaps you can use gravity in your advantage? turn the orion with the front to the floor and poke with a small and stiff wire (paper clip) into the hole. if the tip is floating it might just fall out. Regards, onno
>
> --- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@> wrote:
> >
> > Hey Mike,
> > That's a though problem to fix easily. Now there a few things you can try, 1 is to fish a very thin piece of wire into the jack and try to hook onto the tip that's stuck in the jack and pull it out. 2 I'm not sure what the jack looks like in the board but sometimes there's a way to get to the back of the jack and push the tip out with a tiny jewelers screw driver. But what I really recommend is that you just order a new jack from ten tec and just replace it because even if you remove the tip from the jack I may get damaged trying and definitely don't put glue in the jack that won't work.
> > The jack will only cost you a few dollars and a few minutes of you time to replace.
> > Good Luck
> >
> >
> > --- In orion565@yahoogroups.com, "Mike, K9UW" <k9uw@> wrote:
> > >
> > > Greetings to the group:
> > >
> > > After deciding to clean up the rat's nest of cables behind my rigs (what
> > > was I thinking?) I began to remove cables from their respective plugs on
> > > the back of my 565. All was well until I pulled the 1/8" stereo plug
> > > from the CW jack. Something didn't seem quite right and a closer look
> > > revealed that the plug was missing its tip.
> > >
> > > Yup. The missing tip is still in the jack.
> > >
> > > The jack is completely covered with plastic, so accessing the lodged
> > > plug tip from the interior of the radio is out unless there is some way
> > > to open the plastic jack housing without destroying it. At this point,
> > > I am faced with ordering and installing a replacement jack, a procedure
> > > which will require removing the back panel of the radio. Since I have
> > > nothing to lose at this point, I am also contemplating super glue on the
> > > end of a toothpick, or trying tiny drill bits to grab and extract the
> > > lodged tip.
> > >
> > > Does anyone have prior experience with this? Any ideas or suggestions?
> > >

> > > OK....you can stop laughing now.
> > >
> > > 73, de Mike, K9UW
> > > Amherst, WI
> > >
> >
>

8474. Re: Transverters

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-21 18:43:42 UTC
From: k1fpv
Topic: 8470 Message: 8474

Hi Harry,

I've had good luck with the Elecraft Transverters on my Orion II. You can set the input levels inside the transverter correctly for the transverter output port on the Orion. I'm assuming the original Orion has a similar port. My Orion II makes a great IF strip for the transverters. I use the transverters on, 50, 144, 222, and 432 MHz. They work great!

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, harrylarge <harry.large@...> wrote:
>
> Good Morning,
> looking for some advice on transverters for use with the Orion , Interested in 2 meter and 6 meter . Any info would be appreciated.
> Harry Large
> USAF SMSGT Retired
> AH6FF
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

8475. Headphone Audio AGAIN

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-26 05:33:28 UTC
From: John Hudson
Topic: 8475 Message: 8475

Ok a few weeks ago I was bothered with the low audio on the headphones on a O1 ver 3.032. Same as I think for others, speaker is loud but audio in headphone (Heil ProSet Plus) is about half audio and O1 volume has to be turned all the way up. Even with the SAF on it's not loud enough at times.

By accident I found out that if I turn on the BinRx I have a couple of situations.

1. If SAF is on and I turn on BinRX - Headphone audio goes off (I have to turn the rig off then on, no reset required)

2. If SAF is on and I turn on BinRx - Headphone audio is louder (sometimes this works but not often)

3. If SAF is OFF and I turn on Bin Rx- the headphone audio is TWICE as loud. Much louder than SAF on!

I'm guessing others have this issue too? I could not find the dits & bits email address but if someone has that I'd like to send this to them or can pass this along to John Henry

Thanks

John

KO4XJ

[Non-text portions of this message have been removed]

8476. Re: [orion565] Headphone Audio AGAIN

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-26 09:40:17 UTC
From: Barry N1EU
Topic: 8475 Message: 8476

On Thu, Jul 26, 2012 at 5:33 AM, John Hudson <jd_hudson@...> wrote:

> **
>
>
> Ok a few weeks ago I was bothered with the low audio on the headphones on a
> O1 ver 3.032.
>

It's been a while since I did this, but there's a series dropping resistor
at the headphone jack that can be bypassed or reduced to get more headphone
output. All you need to do is drop the front panel.

73,
Barry N1EU

[Non-text portions of this message have been removed]

8477. Orion with SDR-IQ

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-26 12:59:42 UTC
From: joe_word
Topic: 8477 Message: 8477

I have purchased an Orion II that will be here next week, I want to use my SDR-IQ receiver and SpectraView software as a detailed spectrum/band scope. I see articles about using splitters or buffers, could I just dedicate the sub-receiver, as the driver for the scope, and not use a splitter or buffer? (yes, I know the Orion has a band scope, but I want higher detail). The SpectraView software has a selection for Orion/9 mHz.

If this can be done, how do I hook it up?

Thanks,

Joe N9VX

8478. RE: [orion565] Headphone Audio AGAIN

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-26 13:24:16 UTC
From: John Hudson
Topic: 8475 Message: 8478

Thanks Barry but it use to not be this low. has this been the case with other?? I've had my O1 for several years and this just started sometime during the last 12 months, unless my wife is right and my hearing is going bad!!

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Thursday, July 26, 2012 4:40 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Headphone Audio AGAIN

On Thu, Jul 26, 2012 at 5:33 AM, John Hudson <jd_hudson@... <mailto:jd_hudson%40comcast.net> > wrote:

> **
>
>
> Ok a few weeks ago I was bothered with the low audio on the headphones on a
> O1 ver 3.032.
>

It's been a while since I did this, but there's a series dropping resistor at the headphone jack that can be bypassed or reduced to get more headphone output. All you need to do is drop the front panel.

73,
Barry N1EU

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8479. Re: [orion565] Orion with SDR-IQ

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-26 13:34:27 UTC
From: Bert Beyt
Topic: 8477 Message: 8479

Rich,

Ten Tec had a setup like this at Dayton this year. Big screen and outstanding spectral view using a 9mHz output kit.
You may want to contact John Henry at: jhenry@...

73 Bert W5ZR

On Jul 26, 2012, joe_word <joe_word@...> wrote:

  I have purchased an Orion II that will be here next week, I want to use my SDR-IQ receiver and SpectraView software as a detailed spectrum/band scope. I see articles about using splitters or buffers, could I just dedicate the sub-receiver, as the driver for the scope, and not use a splitter or buffer? (yes, I know the Orion has a band scope, but I want higher detail). The SpectraView software has a selection for Orion/9 mHz.

If this can be done, how do I hook it up?

Thanks,

Joe N9VX

8480. Re: Orion with SDR-IQ

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-26 13:48:38 UTC
From: saukp
Topic: 8477 Message: 8480

hi joe

i mod'd my orion to be able to bring out to the spare rca connector
the sub receiver antenna connection..and use spectra view to sync orion and the sdr-iq...

this is NOT the 9mhz mode but actually adds another receiver(sdr-iq) to the orion setup ..
thus sharing same antenna the orion uses

see file name orion_mod_spare.pdf in the files section. which has lotsa pictures which should make it easier to see what is being done.

this is a simple plug-n-play mod

paul k3sf

--- In orion565@yahoogroups.com, "joe_word" <joe_word@...> wrote:
>
> I have purchased an Orion II that will be here next week, I want to use my SDR-IQ receiver and SpectraView software as a detailed spectrum/band scope. I see articles about using splitters or buffers, could I just dedicate the sub-receiver, as the driver for the scope, and not use a splitter or buffer? (yes, I know the Orion has a band scope, but I want higher detail). The SpectraView software has a selection for Orion/9 mHz.
>
> If this can be done, how do I hook it up?
>
> Thanks,
>
> Joe N9VX
>

8481. Re: Orion with SDR-IQ

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-26 13:58:16 UTC
From: joe_word
Topic: 8477 Message: 8481

Thanks Paul,

In your set-up an RF Splitter is required, could I eliminate the splitter and use the sub-receiver a dedicated SDR-IQ driver?

Joe N9VX

I am presently re-arranging the shack to put this big thing!!

--- In orion565@yahoogroups.com, "saukp" <saukp@...> wrote:
>
> hi joe
>
> i mod'd my orion to be able to bring out to the spare rca connector
> the sub receiver antenna connection..and use spectra view to sync orion and the sdr-iq...
>
> this is NOT the 9mhz mode but actually adds another receiver(sdr-iq) to the orion setup .. thus sharing same antenna the orion uses
>
> see file name orion_mod_spare.pdf in the files section. which has lotsa pictures which should make it easier to see what is being done.
>
> this is a simple plug-n-play mod
>
> paul k3sf
>
>
>
>
>
>
> --- In orion565@yahoogroups.com, "joe_word" <joe_word@> wrote:
> >
> > I have purchased an Orion II that will be here next week, I want to use my SDR-IQ receiver and SpectraView software as a detailed spectrum/band scope. I see articles about using splitters or buffers, could I just dedicate the sub-receiver, as the driver for the scope, and not use a splitter or buffer? (yes, I know the Orion has a band scope, but I want higher detail). The SpectraView software has a selection for Orion/9 mHz.
> >
> > If this can be done, how do I hook it up?
> >
> > Thanks,
> >
> > Joe N9VX
> >
>

8482. PC Speakers/Headphone Jack

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-26 14:00:48 UTC
From: joe_word
Topic: 8482 Message: 8482

Can I plug powered PC speakers into the headphone jack on the Orion II?
I think I remember this is a no no on the Jupiter.

Joe N9VX

8483. Re: Headphone Audio AGAIN

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-26 21:23:51 UTC
From: jhowardsmith234
Topic: 8475 Message: 8483

Hi John,
Your original report of low audio on the headphones was added to the Orion 565 list of issues. I will see that these additional observations are added to your original report.

Thank you for reporting this. TenTec does review reported issues, and they are typically addressed during the next software update cycle.

73..
Howard, WA9AXQ

--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
>
> Ok a few weeks ago I was bothered with the low audio on the headphones on a
> O1 ver 3.032. Same as I think for others, speaker is loud but audio in
> headphone (Heil ProSet Plus) is about half audio and O1 volume has to be
> turned all the way up. Even with the SAF on it's not loud enough at times.
>
>
>
> By accident I found out that if I turn on the BinRx I have a couple of
> situations.
>
> 1. If SAF is on and I turn on BinRX - Headphone audio goes off (I have
> to turn the rig off then on, no reset required)
>
> 2. If SAF is on and I turn on BinRx - Headphone audio is louder
> (sometimes this works but not often)
>
> 3. If SAF is OFF and I turn on Bin Rx- the headphone audio is TWICE as
> loud. Much louder than SAF on!
>
>
>
> I'm guessing others have this issue too? I could not find the dits & bits
> email address but if someone has that I'd like to send this to them or can
> pass this along to John Henry
>
>
>
> Thanks
>
>
>
> John
>
> KO4XJ

>
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>
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>
>
>
>
> [Non-text portions of this message have been removed]
>

8484. RE: [orion565] Re: Headphone Audio AGAIN

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-26 21:31:51 UTC
From: John Hudson
Topic: 8475 Message: 8484

Thanks Howard,

73

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of jhowardsmith234
Sent: Thursday, July 26, 2012 4:24 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Headphone Audio AGAIN

Hi John,
Your original report of low audio on the headphones was added to the Orion 565 list of issues. I will see that these additional observations are added to your original report.

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73..
Howard, WA9AXQ

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "John Hudson" <jd_hudson@...> wrote:
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> Ok a few weeks ago I was bothered with the low audio on the headphones on a
> O1 ver 3.032. Same as I think for others, speaker is loud but audio in
> headphone (Heil ProSet Plus) is about half audio and O1 volume has to be
> turned all the way up. Even with the SAF on it's not loud enough at times.
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>
>
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> 2. If SAF is on and I turn on BinRx - Headphone audio is louder
> (sometimes this works but not often)
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> loud. Much louder than SAF on!

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>
> I'm guessing others have this issue too? I could not find the dits & bits
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> pass this along to John Henry
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> KO4XJ
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> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

8485. Re: RF Power menu options for Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-27 11:28:37 UTC
From: John_Tn
Topic: 8457 Message: 8485

I would like to see this feature built into the software of the Orion.
N4PY software look great also but want this built into the orion.

Onno, Not Onone..Opps sory.

--- In orion565@yahoogroups.com, "ve7tk" <ve7tk@...> wrote:
>
> There are other options.
>
> I use N4PY software to control my Orion 565. Per band mic and power settings are maintained by this external software.
>
> 73, Rick
> VE7TK
>
> --- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@> wrote:
> >
> > Yes Onono, Mic and RF power per band would be awesome!
> >
> > Maybe I should have added the word "Relative" RF output power. Now of course the
> > Actual RF power will vary due to band and loading but just like on many other
> > rigs on the market (Yaesu, Icom, Kenwwod, and Elecraft) they offer a menu option
> > to set the "Relative" maximum RF output power and yes even those rigs when they
> > say 50W doesn't mean exactly 50W. I didn't mean Exact to the watt I just meant
> > "approximately".
> >
> > So for example if the rig had this menu option to say set the max output to 50W
> > that would be measured as 50W into a perfect 50 ohm load.
> >
> > Now if you wanted to expand on this idea you could say add band specific RF
> > power settings and if you wanted to be really fancy allow the user to set a
> > maximum RF power anywhere from 1 to 100W this way if you use a calibrated RF
> > power meter you could set the "Actual" / "Exact" output power to just where you
> > want it.
> >
> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > >
> > > The menu controlled pwr limit would need to be band specific due to differences in output power per band. Indication of 50 watts on 40m or 10m will result in different power out values. Perhaps it could follow the same as the mic settings which can be per band or global too... regards, onno
> > >
> > >
> > >
> > > --- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@> wrote:

> > > >
> > > > I wish the Orion had a menu option to adjust the maximum RF power "Limit" to say 5,10,25,50 & 100 Watts like many other rigs.
> > > > I would like to have this feature because most of the time I don't want to drive my HF Amplifier with more than 50 Watts and it is easy to accidently turn the RF power knob over that especially when contesting and you have to work fast. Also for those QRP'ers you can just lock the rig to 5W MAX.
> > > > Does any think this could be added to a future OS update?
> > > > Anyway just a whish .
> > > >
> > > > John
> > > >
> > >
> >
>

8486. Re: [orion565] Re: RF Power menu options for Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-27 11:40:25 UTC
From: Barry N1EU
Topic: 8457 Message: 8486

The Orion already has per band mic and power settings. I think you're asking for a scaling factor so that the actual power was a fraction of what is displayed by the PWR pot. Personally, I think this would be a confusing feature for the average Orion user, adding a level of complexity. In other words, the displayed power value is not the actual value - you need to go into the TX Menu and read the scaling factor and multiply the displayed value by this. If that's what's being contemplated, I don't think so.

73,
Barry N1EU

On Fri, Jul 27, 2012 at 11:28 AM, John_Tn <john-m-junk@...> wrote:

> **
>
>
> I would like to see this feature built into the software of the Orion.
> N4PY software look great also but want this built into the orion.
>
> Onno, Not Onone..Opps sory.
>
>
> --- In orion565@yahoogroups.com, "ve7tk" <ve7tk@...> wrote:
> >
> > There are other options.
> >
> > I use N4PY software to control my Orion 565. Per band mic and power
> settings are maintained by this external software.
> >
> > 73, Rick
> > VE7TK
> >
> > --- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@> wrote:
> > >
> > > Yes Onono, Mic and RF power per band would be awesome!
> > >
> > > Maybe I should have added the word "Relative" RF output power. Now of
> course the
> > > Actual RF power will vary due to band and loading but just like on
> many other
> > > rigs on the market (Yaesu, Icom, Kenwwod, and Elecraft) they offer a
> menu option
> > > to set the "Relative" maximum RF output power and yes even those rigs
> when they
> > > say 50W doesn't mean exactly 50W. I didn't mean Exact to the watt I
> just meant

> > > "approximately".
> > >
> > > So for example if the rig had this menu option to say set the max
> output to 50W
> > > that would be measured as 50W into a perfect 50 ohm load.
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> > > Now if you wanted to expand on this idea you could say add band
> specific RF
> > > power settings and if you wanted to be really fancy allow the user to
> set a
> > > maximum RF power anywhere from 1 to 100W this way if you use a
> calibrated RF
> > > power meter you could set the "Actual" / "Exact" output power to just
> where you
> > > want it.
> > >
> > > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > > >
> > > > The menu controlled pwr limit would need to be band specific due to
> differences in output power per band. Indication of 50 watts on 40m or 10m
> will result in different power out values. Perhaps it could follow the same
> as the mic settings which can be per band or global too... regards, onno
> > > >
> > > >
> > > >
> > > > --- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@> wrote:
> > > > >
> > > > > I wish the Orion had a menu option to adjust the maximum RF power
> "Limit" to say 5,10,25,50 & 100 Watts like many other rigs.
> > > > > I would like to have this feature because most of the time I don't
> want to drive my HF Amplifier with more than 50 Watts and it is easy to
> accidently turn the RF power knob over that especially when contesting and
> you have to work fast. Also for those QRP'ers you can just lock the rig to
> 5W MAX.
> > > > > Does any think this could be added to a future OS update?
> > > > > Anyway just a whish….
> > > > >
> > > > > John
> > > > >
> > > >
> > > >
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> >
>
>
>

[Non-text portions of this message have been removed]

8487. (no subject)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-27 23:05:15 UTC
From: Howard Feldman
Topic: 8487 Message: 8487

http://www.rileyutah.org/wp-content/plugins/anaoler.html?lovj=rxqpay

[Non-text portions of this message have been removed]

8488. Re: RF Power menu options for Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-27 23:43:42 UTC
From: John_Tn
Topic: 8457 Message: 8488

Now I understand that the RF power reading on the Orion is arbitrary scale meaning that 50 does not represent 50 Watts.

Maybe I should have added the word "Relative" RF output power. Now of course the Actual RF power will vary due to band and loading but just like on many other rigs on the market (Yaesu, Icom, Kenwwod, and Elecraft) they offer a menu option to set the "Relative" maximum RF output power and yes even those rigs when they say 50W doesn't mean exactly 50W. I didn't mean Exact to the watt I just meant"approximately".

So for example if the rig had this menu option to say set the max output to 50 that would be measured as 50W into a perfect 50 ohm load.

Now if you wanted to expand on this idea you could say add band specific RF power settings and if you wanted to be really fancy allow the user to set a maximum RF power anywhere from 1 to 100W this way if you use a calibrated RF power meter you could set the "Actual" / "Exact" output power to just where you want it.

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> The Orion already has per band mic and power settings. I think you're
> asking for a scaling factor so that the actual power was a fraction of what
> is displayed by the PWR pot. Personally, I think this would be a confusing
> feature for the average Orion user, adding a level of complexity. In other
> words, the displayed power value is not the actual value - you need to go
> into the TX Menu and read the scaling factor and multiply the displayed
> value by this. If that's what's being contemplated, I don't think so.
>
> 73,
> Barry N1EU
>
> On Fri, Jul 27, 2012 at 11:28 AM, John_Tn <john-m-junk@...> wrote:
>
> > **
> >
> >
> > I would like to see this feature built into the software of the Orion.
> > N4PY software look great also but want this built into the orion.
> >
> > Onno, Not Onone..Opps sory.
> >
> >
> > --- In orion565@yahoogroups.com, "ve7tk" <ve7tk@> wrote:
> > >
> > > There are other options.
> > >

> > > I use N4PY software to control my Orion 565. Per band mic and power
> > settings are maintained by this external software.
> > >
> > > 73, Rick
> > > VE7TK
> > >
> > > --- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@> wrote:
> > > >
> > > > Yes Onono, Mic and RF power per band would be awesome!
> > > >
> > > > Maybe I should have added the word "Relative" RF output power. Now of
> > course the
> > > > Actual RF power will vary due to band and loading but just like on
> > many other
> > > > rigs on the market (Yaesu, Icom, Kenwwod, and Elecraft) they offer a
> > menu option
> > > > to set the "Relative" maximum RF output power and yes even those rigs
> > when they
> > > > say 50W doesn't mean exactly 50W. I didn't mean Exact to the watt I
> > just meant
> > > > "approximately".
> > > >
> > > > So for example if the rig had this menu option to say set the max
> > output to 50W
> > > > that would be measured as 50W into a perfect 50 ohm load.
> > > >
> > > > Now if you wanted to expand on this idea you could say add band
> > specific RF
> > > > power settings and if you wanted to be really fancy allow the user to
> > set a
> > > > maximum RF power anywhere from 1 to 100W this way if you use a
> > calibrated RF
> > > > power meter you could set the "Actual" / "Exact" output power to just
> > where you
> > > > want it.
> > > >
> > > > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > > > >
> > > > > The menu controlled pwr limit would need to be band specific due to
> > differences in output power per band. Indication of 50 watts on 40m or 10m
> > will result in different power out values. Perhaps it could follow the same
> > as the mic settings which can be per band or global too... regards, onno
> > > > >
> > > > >
> > > > >
> > > > > --- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@> wrote:
> > > > > >
> > > > > > I wish the Orion had a menu option to adjust the maximum RF power
> > "Limit" to say 5,10,25,50 & 100 Watts like many other rigs.

> > > > > > I would like to have this feature because most of the time I don't
> > want to drive my HF Amplifier with more than 50 Watts and it is easy to
> > accidently turn the RF power knob over that especially when contesting and
> > you have to work fast. Also for those QRP'ers you can just lock the rig to
> > 5W MAX.
> > > > > > > Does any think this could be added to a future OS update?
> > > > > > > Anyway just a whishâ☐¦.
> > > > > > >
> > > > > > > John
> > > > > > > >
> > > > > > >
> > > > > >
> > > > >
> > > >
> > >
> > >
> >
> [Non-text portions of this message have been removed]
>

8489. Re: Orion with SDR-IQ

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-28 02:22:08 UTC
From: saukp
Topic: 8477 Message: 8489

hi joe

i have read on other boards that some have just used a T-connector.
BUT
I would NOT recommend a T-connector but I highly recommend that the rf splitter be used because it provides isolation between the electronics of the orion from the sdr-iq...you never quite know where dc will flow if something goes wrong...

i picked up the rf-splitter of ebay for $20
that is cheap insurance

also from a performance perspective
the rf-splitter assures proper input impedance for both receivers...

i have found having three receivers available a great asset...when hunting dx on cw i run the sdr-iq running cwskimmer to scope out the pileup..use the subreceiver to hear the station that cwskimmer indicate was just worked..and of course the main receiver is listening to the dx station...

then there is seeing what the other bands looks like while in a ssb pileup

of course you can just use the sdr-iq as a panadapter too
but it can do so much more

paul..k3sf

--- In orion565@yahoogroups.com, "joe_word" <joe_word@...> wrote:
>
> Thanks Paul,
>
> In your set-up an RF Splitter is required, could I eliminate the splitter and use the sub-receiver a dedicated SDR-IQ driver?
>
> Joe N9VX
>
> I am presently re-arranging the shack to put this big thing!!
>
>
>
> --- In orion565@yahoogroups.com, "saukp" <saukp@> wrote:
> >
> > hi joe
> >
> > i mod'd my orion to be able to bring out to the spare rca connector
> > the sub receiver antenna connection..and use spectra view to sync orion and the sdr-iq...
> >

> > this is NOT the 9mhz mode but actually adds another receiver(sdr-iq) to the orion setup .. thus sharing same antenna the orion uses
> >
> > see file name orion_mod_spare.pdf in the files section. which has lotsa pictures which should make it easier to see what is being done.
> >
> > this is a simple plug-n-play mod
> >
> > paul k3sf
> >
> >
> >
> >
> >
> >
> > --- In orion565@yahoogroups.com, "joe_word" <joe_word@> wrote:
> > >
> > > I have purchased an Orion II that will be here next week, I want to use my SDR-IQ receiver and SpectraView software as a detailed spectrum/band scope. I see articles about using splitters or buffers, could I just dedicate the sub-receiver, as the driver for the scope, and not use a splitter or buffer? (yes, I know the Orion has a band scope, but I want higher detail). The SpectraView software has a selection for Orion/9 mHz.
> > >
> > > If this can be done, how do I hook it up?
> > >
> > > Thanks,
> > >
> > > Joe N9VX
> > >
> > >
>

8490. (no subject)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-28 11:23:43 UTC
From: Howard Feldman
Topic: 8490 Message: 8490

http://mg-marushin.com/staff/wp/wp-content/plugins/zrujyotuioh/tclaok.html?mvl=foyrds

[Non-text portions of this message have been removed]

8491. Re: [orion565] (unknown)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-29 10:15:10 UTC
From: Sam W Jacobs CET
Topic: 8490 Message: 8491

HUH ?

From: Howard Feldman <howdy462002@...>
To: orion565@yahoogroups.com; hfeldman@...; SWasser@...; pmelcher@...;
comments@westonelectronics.com; erlewis@...; rcox@...
Sent: Saturday, July 28, 2012 7:23 AM
Subject: [orion565] (unknown)

http://mg-marushin.com/staff/wp/wp-content/plugins/zrujyotuioh/tclaok.html?mvl=foyrds

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8492. Re: [orion565] (unknown)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-29 10:36:57 UTC
From: Sam W Jacobs CET
Topic: 8487 Message: 8492

HUH AGAIN ?

From: Howard Feldman <howdy462002@...>
To: erlewis@...; matthupp@...; SWasser@...; rcox@...; slinkyantennas@charter.net; iufan45@...; pmelcher@...; orion565@...m
Sent: Friday, July 27, 2012 7:05 PM
Subject: [orion565] (unknown)

http://www.rileyutah.org/wp-content/plugins/anaoler.html?lovj=rxqpay

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8493. Re: Orion with SDR-IQ

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-31 13:20:35 UTC
From: joe_word
Topic: 8477 Message: 8493

Paul,

Thanks for your input, what are the specs for the splitter? Also where can I get the cables?

Joe N9VX

--- In orion565@yahoogroups.com, "saukp" <saukp@...> wrote:
>
> hi joe
>
>
>
> i have read on other boards that some have just used a T-connector.
> BUT
> I would NOT recommend a T-connector but I highly recommend that the rf splitter be used because it provides isolation between the electronics of the orion from the sdr-iq...you never quite know where dc will flow if something goes wrong...
>
> i picked up the rf-splitter of ebay for $20
> that is cheap insurance
>
> also from a performance perspective
> the rf-splitter assures proper input impedance for both receivers...
>
> i have found having three receivers available a great asset...when hunting dx on cw i run the sdr-iq running cwskimmer to scope out the pileup..use the subreceiver to hear the station that cwskimmer indicate was just worked..and of course the main receiver is listening to the dx station...
>
> then there is seeing what the other bands looks like while in a ssb pileup
>
> of course you can just use the sdr-iq as a panadapter too
> but it can do so much more
>
>
> paul..k3sf
>
>
>
>
>
> --- In orion565@yahoogroups.com, "joe_word" <joe_word@> wrote:
> >
> > Thanks Paul,
> >

> > In your set-up an RF Splitter is required, could I eliminate the splitter and use the sub-receiver a dedicated SDR-IQ driver?
> >
> > Joe N9VX
> >
> > I am presently re-arranging the shack to put this big thing!!
> >
> >
> >
> > --- In orion565@yahoogroups.com, "saukp" <saukp@> wrote:
> > >
> > > hi joe
> > >
> > > i mod'd my orion to be able to bring out to the spare rca connector
> > > the sub receiver antenna connection..and use spectra view to sync orion and the sdr-iq...
> > >
> > > this is NOT the 9mhz mode but actually adds another receiver(sdr-iq) to the orion setup .. thus sharing same antenna the orion uses
> > >
> > > see file name orion_mod_spare.pdf in the files section. which has lotsa pictures which should make it easier to see what is being done.
> > >
> > > this is a simple plug-n-play mod
> > >
> > > paul k3sf
> > >
> > >
> > >
> > >
> > >
> > >
> > > --- In orion565@yahoogroups.com, "joe_word" <joe_word@> wrote:
> > > >
> > > > I have purchased an Orion II that will be here next week, I want to use my SDR-IQ receiver and SpectraView software as a detailed spectrum/band scope. I see articles about using splitters or buffers, could I just dedicate the sub-receiver, as the driver for the scope, and not use a splitter or buffer? (yes, I know the Orion has a band scope, but I want higher detail). The SpectraView software has a selection for Orion/9 mHz.
> > > >
> > > > If this can be done, how do I hook it up?
> > > >
> > > > Thanks,
> > > >
> > > > Joe N9VX
> > > >
> > > >
> > >
> >
>

8494. External Speaker Jack

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-31 13:28:12 UTC
From: joe_word
Topic: 8494 Message: 8494

Is the external speaker jack on the back of the Orion II a stereo or mono plug? Ten-Tec told me it was stereo and to use the tip and sleeve, but I do not see this in the manual, thought they may have meant the phone jack on the front panel.

Joe N9VX

8495. Re: Orion with SDR-IQ

Yahoo group: orion565 (2009 — 2013)
Date: 2012-07-31 14:20:06 UTC
From: saukp
Topic: 8477 Message: 8495

hi joe

cost was $45 for custom cables by "The RF Connection"
http://www.therfc.com/
and
$20 for the rfsplitter(1-100mhz) off ebay

the tmp connectors are what are used in the orion

the rf splitter i got just happen to have bnc connector
but i have seen them on ebay with other types of connectors

so my cables were bnc on one end and tmp on the other and i dont remember the coax cable i spec'd..but same as use in the orion

on the rf splitter..make sure it cover the HF band..1 thru 100mhz
and NOT the standard cable tv splitter which cover 300-2000 mhz

the rf connection guys were great to work with...talked with them on the fone to go over my order...and were quick in building the cables and shipping them out..

hope this helps
paul k3sf

--- In orion565@yahoogroups.com, "joe_word" <joe_word@...> wrote:
>
> Paul,
>
> Thanks for your input, what are the specs for the splitter? Also where can I get the cables?
>
> Joe N9VX
>
> --- In orion565@yahoogroups.com, "saukp" <saukp@> wrote:
> >
> > hi joe
> >
> >
> >
> > i have read on other boards that some have just used a T-connector.
> > BUT
> > I would NOT recommend a T-connector but I highly recommend that the rf splitter be used because it provides isolation between the electronics of the orion from the sdr-iq...you never quite know where dc will flow if something goes wrong...
> >
> > i picked up the rf-splitter of ebay for $20
> > that is cheap insurance

> >
> > also from a performance perspective
> > the rf-splitter assures proper input impedance for both receivers...
> >
> > i have found having three receivers available a great asset...when hunting dx on cw i run the sdr-iq running cwskimmer to scope out the pileup..use the subreceiver to hear the station that cwskimmer indicate was just worked..and of course the main receiver is listening to the dx station...
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> > then there is seeing what the other bands looks like while in a ssb pileup
> >
> > of course you can just use the sdr-iq as a panadapter too
> > but it can do so much more
> >
> >
> > paul..k3sf
> >
> >
> >
> >
> >
> > --- In orion565@yahoogroups.com, "joe_word" <joe_word@> wrote:
> > >
> > > Thanks Paul,
> > >
> > > In your set-up an RF Splitter is required, could I eliminate the splitter and use the sub-receiver a dedicated SDR-IQ driver?
> > >
> > > Joe N9VX
> > >
> > > I am presently re-arranging the shack to put this big thing!!
> > >
> > >
> > >
> > > --- In orion565@yahoogroups.com, "saukp" <saukp@> wrote:
> > > >
> > > > hi joe
> > > >
> > > > i mod'd my orion to be able to bring out to the spare rca connector
> > > > the sub receiver antenna connection..and use spectra view to sync orion and the sdr-iq...
> > > >
> > > > this is NOT the 9mhz mode but actually adds another receiver(sdr-iq) to the orion setup .. thus sharing same antenna the orion uses
> > > >
> > > > see file name orion_mod_spare.pdf in the files section. which has lotsa pictures which should make it easier to see what is being done.
> > > >
> > > > this is a simple plug-n-play mod
> > > >

> > > > paul k3sf
> > > >
> > > >
> > > >
> > > >
> > > >
> > > >
> > > > --- In orion565@yahoogroups.com, "joe_word" <joe_word@> wrote:
> > > > >
> > > > > I have purchased an Orion II that will be here next week, I want to use my SDR-IQ receiver and SpectraView software as a detailed spectrum/band scope. I see articles about using splitters or buffers, could I just dedicate the sub-receiver, as the driver for the scope, and not use a splitter or buffer? (yes, I know the Orion has a band scope, but I want higher detail). The SpectraView software has a selection for Orion/9 mHz.
> > > > >
> > > > > If this can be done, how do I hook it up?
> > > > >
> > > > > Thanks,
> > > > >
> > > > > Joe N9VX
> > > > >
> > > > >
> > > >
> > >
>

8496. Re: External Speaker Jack

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-01 11:59:13 UTC
From: Skip
Topic: 8494 Message: 8496

The external speaker jack is set up for only mono use. I doubt it is a stereo jack as the rings would not line up. I use a CLRspkr with mine and the DSP of the radio and the speaker gives excellent audio.

--- In orion565@yahoogroups.com, "joe_word" <joe_word@...> wrote:
>
> Is the external speaker jack on the back of the Orion II a stereo or mono plug? Ten-Tec told me it was stereo and to use the tip and sleeve, but I do not see this in the manual, thought they may have meant the phone jack on the front panel.
>
> Joe N9VX
>

8497. Re: External Speaker Jack

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-03 03:43:03 UTC
From: Lynn Finch
Topic: 8494 Message: 8497

The external Speaker jack - J4 - is shown on the ORION II schematic as a 3 circuit (stereo) jack with no connection to the ring. If there is, in fact, no connection, either and 2 circuit or 3 circuit plug can be used. There are a set of contacts, in jack 4 to disconnect the internal speaker when an external speaker is plugged into the speaker jack. There is no document number on the schematic, I have, but I downloaded it from the TenTec website. Also on this schematic is the Key jack, DB9 Serial jack, and 2 Din 8 connectors. Lynn Finch, W2MSJ

[Non-text portions of this message have been removed]

8498. S meter wiggle

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-03 04:36:05 UTC
From: k7fd
Topic: 8498 Message: 8498

Disconnect antenna to O2. Put rf gain at 90. Now spin the vfo dial back and forth. Does your s meter wiggle slightly? Mine does. Weird, huh? When I quit spinning knob back and forth, the wiggle stops. Another mystery....

73 John K7FD

8499. Orion 565/566 ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-03 12:20:30 UTC
From: George
Topic: 8499 Message: 8499

Has anyone added ALC to the Orion transceivers? Now that I use solid state amps the manufacture suggestion is to use ALC.
Can't figure out why Ten Tec insists on not adding ALC to their Orion transceivers?

George W2YJ

8500. New to the group. Sort of

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-03 15:38:54 UTC
From: w5kg
Topic: 8500 Message: 8500

I have been a member of the group about a month now. Getting as much info on the 565 Orion as I could before buying one.
I just bought one and it should be here in Texas next week.
I asked the ham I bought it from what firmwarw ver. it had and it has 1.3 I think.
My question is, has there been any problems with the latest verison?
Thanks de
Don, W5KG

8502. Re: New to the group. Sort of

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-04 08:00:25 UTC
From: storygene
Topic: 8500 Message: 8502

Hi Don -
Firmware and software are never perfect; there can always be changes for improvement. Having said that, the latest firmware update for an 565 Orion is absolutely outstanding in my opinion. The "SAF" feature alone is for certain operating conditions, genius (thank you again John Henry).

To me, controlling the Orion's capabilities is best if you understand the block diagram and better yet, a good part of the schematic. I am not saying you have to be that intimate with the innards but deciding what control levels to use are better understood if you kind of do a mind-meld with the hardware.

The neat thing about firmware is you can always go forward AND backward unless there were hardware modifications/requirements to mandate a specific firmware or range of firmware. If you had the new 2nd receiver card for example, that will only work with a certain minimum version/revision of firmware.

Gene / K7TXO

--- In orion565@yahoogroups.com, "w5kg" <w5kg@...> wrote:
>
> I have been a member of the group about a month now. Getting as much info on the 565 Orion as I could before buying one.
> I just bought one and it should be here in Texas next week.
> I asked the ham I bought it from what firmwarw ver. it had and it has 1.3 I think.
> My question is, has there been any problems with the latest verison?
> Thanks de
> Don, W5KG
>

8503. Re: Orion 565/566 ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-05 11:16:17 UTC
From: pa1ap
Topic: 8499 Message: 8503

I dont have the answer why external alc has not been included. Not being exposed to this challenge I started to browse the internet and found some good descriptions and it became a bit more clear.

Am I correct that alc will ideally prevent the transmitter to exceed a certain level and hence prevent distortion? If so, why would one need to make this alc external? Would it be logical to expect the external amplifier to manage its own transmit output?

Or is it the case that the external amplifier detects it is exceeding its specific max output and hence would want to control the exciter (orion) to reduce its drive into the amplifier? This would mean the amplifier can change the output power of the orion right?

In an ideal world the exciter (orion) would have clean and stable max output towards the amplifier. I guess changing load and frequency makes this a bit more complex to achieve and hence alc could help to automate this a bit better?

Sorry for asking perhaps silly questions but I would appreciate to understand the principles.

Best regards, onno de pa1ap

--- In orion565@yahoogroups.com, "George" <goofyham@...> wrote:
>
> Has anyone added ALC to the Orion transceivers? Now that I use solid state
> amps the manufacture suggestion is to use ALC.
> Can't figure out why Ten Tec insists on not adding ALC to their Orion
> transceivers?
>
> George W2YJ
>

8504. RE: [orion565] Re: Orion 565/566 ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-05 13:46:18 UTC
From: George
Topic: 8499 Message: 8504

PA1AP;

You are correct in your understanding that the amplifier reduces the output of the transceiver to a value set by the ALC control at the amp. In this way a solid state amp that only needs, or wants, 35 or so watts to produce its full 1KW output could control the output of the transceiver to this value by the ALC voltage produced by the amp.

Over the years I've had at least 10 or more transceivers and to my knowledge the Orion is the only one without ALC.

I have also owned at least 6 amps over the past 10 years and all of them included ALC even going back to my Kenwood TL-922 which is a 25 year old amp.

I called Ten Tec and inquired if ALC could be added to my O2 and was told, "our products don't need ALC".

So I'm relegated to reducing the power output of my O2 manually.

My complaint may induce Ten Tec to get off the mark and include ALC control in their future transceiver offerings.

Just my 2 cents.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Sunday, August 05, 2012 7:16 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion 565/566 ALC

I dont have the answer why external alc has not been included. Not being exposed to this challenge I started to browse the internet and found some good descriptions and it became a bit more clear.

Am I correct that alc will ideally prevent the transmitter to exceed a certain level and hence prevent distortion? If so, why would one need to make this alc external? Would it be logical to expect the external amplifier to manage its own transmit output?

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In an ideal world the exciter (orion) would have clean and stable max output towards the amplifier. I guess changing load and frequency makes this a bit more complex to achieve and hence alc could help to automate this a bit better?

Sorry for asking perhaps silly questions but I would appreciate to understand the principles.

Best regards, onno de pa1ap

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "George" <goofyham@...> wrote:
>
> Has anyone added ALC to the Orion transceivers? Now that I use solid state
> amps the manufacture suggestion is to use ALC.
> Can't figure out why Ten Tec insists on not adding ALC to their Orion
> transceivers?
>
> George W2YJ
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2437/5177 - Release Date: 08/04/12

[Non-text portions of this message have been removed]

8506. Re: [orion565] Re: Orion 565/566 ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-05 21:32:35 UTC
From: mcelmer1
Topic: 8499 Message: 8506

Onno,

You have the theory and application 100% correct. Nothing more to add.

I have a question in the same area: Audio. Why would a "processor" and/or compresor be required? The folks that design the transmitter and audio circuits/parameters are some quite intelligent and qualified engineers and technicians. Perhaps there are many people in this hobby that consider the audio design inadequate.

Mike
W8TRN
Miike
W8TRN
----- Original Message -----
From: pa1ap
To: orion565@yahoogroups.com
Sent: Sunday, August 05, 2012 15:23
Subject: [orion565] Re: Orion 565/566 ALC

I dont have the answer why external alc has not been included. Not being exposed to this challenge I started to browse the internet and found some good descriptions and it became a bit more clear.

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Sorry for asking perhaps silly questions but I would appreciate to understand the principles.

Best regards, onno de pa1ap

--- In orion565@yahoogroups.com, "George" <goofyham@...> wrote:
>
> Has anyone added ALC to the Orion transceivers? Now that I use solid state
> amps the manufacture suggestion is to use ALC.
> Can't figure out why Ten Tec insists on not adding ALC to their Orion
> transceivers?
>

> George W2YJ
>

[Non-text portions of this message have been removed]

8507. RE: [orion565] Re: Orion 565/566 ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-05 21:52:20 UTC
From: Duane Calvin
Topic: 8499 Message: 8507

Simple. By "compressing" the audio waveform, one can raise the average power output by the rig, giving you a better chance of being heard at the other end of a QSO. The trick is to do it without distorting the signal so badly that it flattops and generates spurious transmitter products. Listen to a few of the big contest stations and you'll know what I mean!

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of mcelmer1
Sent: Sunday, August 05, 2012 4:33 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Orion 565/566 ALC

Onno,

You have the theory and application 100% correct. Nothing more to add.

I have a question in the same area: Audio. Why would a "processor" and/or compresor be required? The folks that design the transmitter and audio circuits/parameters are some quite intelligent and qualified engineers and technicians. Perhaps there are many people in this hobby that consider the audio design inadequate.

Mike
W8TRN
Miike
W8TRN
----- Original Message -----
From: pa1ap
To: orion565@yahoogroups.com
Sent: Sunday, August 05, 2012 15:23
Subject: [orion565] Re: Orion 565/566 ALC

I dont have the answer why external alc has not been included. Not being exposed to this challenge I started to browse the internet and found some good descriptions and it became a bit more clear.

Am I correct that alc will ideally prevent the transmitter to exceed a certain level and hence prevent distortion? If so, why would one need to make this alc external? Would it be logical to expect the external amplifier to manage its own transmit output?

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In an ideal world the exciter (orion) would have clean and stable max output towards the amplifier. I guess changing load and frequency makes this a bit more complex to achieve and hence alc could help to automate this a bit better?

Sorry for asking perhaps silly questions but I would appreciate to understand the principles.

Best regards, onno de pa1ap

--- In orion565@yahoogroups.com, "George" <goofyham@...> wrote:
>
> Has anyone added ALC to the Orion transceivers? Now that I use solid state
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> Can't figure out why Ten Tec insists on not adding ALC to their Orion
> transceivers?
>
> George W2YJ
>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

8508. [orion565] Re: Orion 565/566 ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-05 23:42:18 UTC
From: orion565-owner@yahoogroups.com
Topic: 8499 Message: 8508

Hello Orion Fans,

ALC springs from a time when we had transmitters with tubes and we tuned them manually by adjusting their PI Network output stage.

It was really impossible to precisely adjust the transmitter final stage output to obtain maximum amplifier output without some slight overdrive and associated amplifier distortion. There was no transmitter RF output control, only loading and tuning controls.

The ALC voltage developed by the amp provided the means to achieve a more distortion free output, reducing over driving of the amplifier input. Interestingly, it also provided a form of compression, keeping the average output of the amplifier at a higher level than without ALC. Not all transceivers and transmitters had speech processors and compressors.

Some operators found it an advantage to construct a small variable output low voltage (~9 VDC) supply using a battery, and feed the output of the supply into the transmitter ALC input. This variable voltage permitted them to create an RF output control which they could then use to trim the amplifier drive level after they had tuned the transmitter PI Network.

With modern transceivers with excellent ALC and precise RF output control, and while carefully monitoring the amplifier output, there is little need for ALC feedback these days. I use the O2 with all of my amps and the spectrum analyzer says all is well with correct tuning procedures.

73 and Happy DXing,

Mike
W2AJI

8509. RE: [orion565] Re: Orion 565/566 ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-05 23:54:57 UTC
From: George
Topic: 8499 Message: 8509

Mike;

Concerning your response that amps of today do not need ALC my PW-1 would be much happier with a transceiver equipped with ALC. It's not so much as overdriving the amp to curtail splatter but to limit the drive on the transceiver to get 1KW out of the PW-1.

Why do all the other manufactures make ALC input available?

I don't think it is an option of a bygone era.

I use my tube amp only as a back-up and it also has provisions for ALC.

I have to make sure my O2 power drive is set to no more than 35 watts which makes my PW-1 very happy.

Oh, by the way, ALC also makes my Ameritron ALS-1300 happy as well.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of orion565-owner@yahoogroups.com
Sent: Sunday, August 05, 2012 7:42 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion 565/566 ALC

Hello Orion Fans,

ALC springs from a time when we had transmitters with tubes and we tuned them manually by adjusting their PI Network output stage.

It was really impossible to precisely adjust the transmitter final stage output to obtain maximum amplifier output without some slight overdrive and associated amplifier distortion. There was no transmitter RF output control, only loading and tuning controls.

The ALC voltage developed by the amp provided the means to achieve a more distortion free output, reducing over driving of the amplifier input. Interestingly, it also provided a form of compression, keeping the average output of the amplifier at a higher level than without ALC. Not all transceivers and transmitters had speech processors and compressors.

Some operators found it an advantage to construct a small variable output low voltage (~9 VDC) supply using a battery, and feed the output of the supply into the transmitter ALC input. This variable voltage permitted them to create an RF output control which they could then use to trim the amplifier drive level after they had tuned the transmitter PI Network.

With modern transceivers with excellent ALC and precise RF output control, and while carefully monitoring the amplifier output, there is little need for ALC feedback these days. I use the O2 with all of my amps and the spectrum analyzer says all is well with correct tuning procedures.

73 and Happy DXing,

Mike
W2AJI

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2437/5180 - Release Date: 08/05/12

[Non-text portions of this message have been removed]

8510. RE: [orion565] Re: Orion 565/566 ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-06 00:16:21 UTC
From: W2AJI
Topic: 8499 Message: 8510

Hi George,

You wrote:

"I have to make sure my O2 power drive is set to no more than 35 watts which
makes my PW-1 very happy. "

Exactly, you must set your output to 35 watts maximum. That is all that is required.

You make the point very well. Clearly not everyone must understand what you clearly do.

73,

Mike
W2AJI

8511. Re: Orion 565/566 ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-06 05:16:20 UTC
From: pa1ap
Topic: 8499 Message: 8511

Voice is unique and hence audio presence / spectrum is unique. The processor or compressor will ensure all frequencies within the passband spectrum will be of equal amplitude. This will generate more output power within the passband spectrum at the expense of audio quality and dynamics. Your power meter will show a higher value and thats seems a desired goal.... ofcourse microphone characteristic influences audio spectrum too.

I guess thats why cw is so nice :-)
--- In orion565@yahoogroups.com, "mcelmer1" <mcelmer1@...> wrote:
>
> Onno,
>
> You have the theory and application 100% correct. Nothing more to add.
>
> I have a question in the same area: Audio. Why would a "processor" and/or compresor be required? The folks that design the transmitter and audio circuits/parameters are some quite intelligent and qualified engineers and technicians. Perhaps there are many people in this hobby that consider the audio design inadequate.
>
> Mike
> W8TRN
> Miike
> W8TRN
> ----- Original Message -----
> From: pa1ap
> To: orion565@yahoogroups.com
> Sent: Sunday, August 05, 2012 15:23
> Subject: [orion565] Re: Orion 565/566 ALC
>
>
>
> I dont have the answer why external alc has not been included. Not being exposed to this challenge I started to browse the internet and found some good descriptions and it became a bit more clear.
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> Am I correct that alc will ideally prevent the transmitter to exceed a certain level and hence prevent distortion? If so, why would one need to make this alc external? Would it be logical to expect the external amplifier to manage its own transmit output?
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> Or is it the case that the external amplifier detects it is exceeding its specific max output and hence would want to control the exciter (orion) to reduce its drive into the amplifier? This would mean the amplifier can change the output power of the orion right?
>
> In an ideal world the exciter (orion) would have clean and stable max output towards the amplifier. I guess changing load and frequency makes this a bit more complex to achieve and hence alc could help to automate this a bit better?

>
> Sorry for asking perhaps silly questions but I would appreciate to understand the principles.
>
> Best regards, onno de pa1ap
>
> --- In orion565@yahoogroups.com, "George" <goofyham@> wrote:
> >
> > Has anyone added ALC to the Orion transceivers? Now that I use solid state
> > amps the manufacture suggestion is to use ALC.
> > Can't figure out why Ten Tec insists on not adding ALC to their Orion
> > transceivers?
> >
> > George W2YJ
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

8512. Re: Orion 565/566 ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-06 14:36:04 UTC
From: wa6iaf
Topic: 8499 Message: 8512

Regarding no ALC, there is an additional factor not yet mentioned here. It's my understanding that different rigs supply different ranges of ALC voltage to amps. That voltage range is not standardized from rig MFG to MFG. Some amps allow for this like the AL-80 for one example, some do not.

73,
Paul
WA6IAF

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> I dont have the answer why external alc has not been included. Not being exposed to this challenge I started to browse the internet and found some good descriptions and it became a bit more clear.
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> Sorry for asking perhaps silly questions but I would appreciate to understand the principles.
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> Best regards, onno de pa1ap
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> --- In orion565@yahoogroups.com, "George" <goofyham@> wrote:
> >
> > Has anyone added ALC to the Orion transceivers? Now that I use solid state
> > amps the manufacture suggestion is to use ALC.
> > Can't figure out why Ten Tec insists on not adding ALC to their Orion
> > transceivers?
> >
> > George W2YJ
> >
>

8513. Re: [orion565] Re: Orion 565/566 ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-06 18:27:20 UTC
From: K Van Horn
Topic: 8499 Message: 8513

At the risk of saying something that is not Politically Correct gentlemen, THIS IS NOT BRAIN SURGERY!! You do not need ANY ALC. This is why YOU can adjust the power out control on your radio(To ensure that your amplifier is not being operated outside of the law.) If you detect that you are using more power than the “minimum required to communicate,” you are REQUIRED BY LAW to reduce your power output to the level that represents the minimum required to communicate.
Seems pretty straightforward to me.....
Blessings to you,
Kirby, K7EC
From: wa6iaf
Sent: Monday, August 06, 2012 8:36 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion 565/566 ALC

Regarding no ALC, there is an additional factor not yet mentioned here. It's my understanding that different rigs supply different ranges of ALC voltage to amps. That voltage range is not standardized from rig MFG to MFG. Some amps allow for this like the AL-80 for one example, some do not.

73,
Paul
WA6IAF

--- In mailto:orion565%40yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> I dont have the answer why external alc has not been included. Not being exposed to this challenge I started to browse the internet and found some good descriptions and it became a bit more clear.
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> In an ideal world the exciter (orion) would have clean and stable max output towards the amplifier. I guess changing load and frequency makes this a bit more complex to achieve and hence alc could help to automate this a bit better?
>
>
> Sorry for asking perhaps silly questions but I would appreciate to understand the principles.
>
> Best regards, onno de pa1ap

>
>
> --- In mailto:orion565%40yahoogroups.com, "George" <goofyham@> wrote:
> >
> > Has anyone added ALC to the Orion transceivers? Now that I use solid state
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> > Can't figure out why Ten Tec insists on not adding ALC to their Orion
> > transceivers?
> >
> > George W2YJ
> >
>

[Non-text portions of this message have been removed]

8514. Re: Orion 565/566 ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-07 10:36:53 UTC
From: southdaleus
Topic: 8499 Message: 8514

The Icom PW-1 requires ALC connection for protection of the finals. There may be others.

Dale, k9vuj

--- In orion565@yahoogroups.com, "K Van Horn" <k7ec@...> wrote:
>
> At the risk of saying something that is not Politically Correct gentlemen, THIS IS NOT BRAIN SURGERY!! You do not need ANY ALC. This is why YOU can adjust the power out control on your radio(To ensure that your amplifier is not being operated outside of the law.) If you detect that you are using more power than the â□□minimum required to communicate,â□□ you are REQUIRED BY LAW to reduce your power output to the level that represents the minimum required to communicate.
> Seems pretty straightforward to me.....
> Blessings to you,
> Kirby, K7EC
> From: wa6iaf
> Sent: Monday, August 06, 2012 8:36 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Orion 565/566 ALC
>
>
> Regarding no ALC, there is an additional factor not yet mentioned here. It's my understanding that different rigs supply different ranges of ALC voltage to amps. That voltage range is not standardized from rig MFG to MFG. Some amps allow for this like the AL-80 for one example, some do not.
>
> 73,
> Paul
> WA6IAF
>
> --- In mailto:orion565%40yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > I dont have the answer why external alc has not been included. Not being exposed to this challenge I started to browse the internet and found some good descriptions and it became a bit more clear.
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> > Am I correct that alc will ideally prevent the transmitter to exceed a certain level and hence prevent distortion? If so, why would one need to make this alc external? Would it be logical to expect the external amplifier to manage its own transmit output?
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> > > George W2YJ
> > >
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

8515. RE: [orion565] Re: Orion 565/566 ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-07 18:15:48 UTC
From: wolfmanjack@charter.net
Topic: 8499 Message: 8515

ahhh...then not quite brain surgery but possibly a bit of rocket science! :)

73 John K7FD

On Tue, Aug 7, 2012 at 3:36 AM, southdaleus wrote:

The Icom PW-1 requires ALC connection for protection of the finals. There may be others.

Dale, k9vuj

--- In orion565@yahoogroups.com <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')> , "K Van Horn" <k7ec@...> wrote:
>
> At the risk of saying something that is not Politically Correct
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> is why YOU can adjust the power out control on your radio(To ensure
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> communicate,â☐☐ you are REQUIRED BY LAW to reduce your power output to
> the level that represents the minimum required to communicate. Seems
> pretty straightforward to me..... Blessings to you, Kirby, K7EC
> From: wa6iaf Sent: Monday, August 06, 2012 8:36 AM To:
> orion565@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
> Subject: [orion565] Re: Orion 565/566 ALC
>
> Regarding no ALC, there is an additional factor not yet mentioned
> here. It's my understanding that different rigs supply different
> ranges of ALC voltage to amps. That voltage range is not standardized
> from rig MFG to MFG. Some amps allow for this like the AL-80 for one
> example, some do not.
> 73, Paul WA6IAF
> --- In mailto:orion565%40yahoogroups.com, "pa1ap" <pa1ap@> wrote:
>>
>> I dont have the answer why external alc has not been included. Not
>> being exposed to this challenge I started to browse the internet and
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>
>
>
>
>
> [Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

8516. bands orion ii

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-07 21:18:41 UTC
From: Jacques Paoli
Topic: 8516 Message: 8516

> why Orion ii do not work Rx Tx on 50 mHz and olso all band. why not?
> Thank
> jacques

8517. Re: Orion 565/566 ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-08 13:49:16 UTC
From: Filippo Verlezza
Topic: 8499 Message: 8517

I confirm .... Yaesu Fl7000 require alc also. Risk is to burn it.... In 40 mt with 25 W you get full power, already.

iv3zff

Filippo

Inviato da iPad

[Non-text portions of this message have been removed]

8518. Re: Orion 565/566 ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-08 13:33:18 UTC
From: Filippo Verlezza
Topic: 8499 Message: 8518

I confirm .... Yaesu Fl7000 require alc also. Risk is to burn it.... In 40 mt with 25 W you get full power, already.

iv3zff

Filippo

Inviato da iPad

8519. Re: Orion 565/566 ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-08 18:14:38 UTC
From: saukp
Topic: 8499 Message: 8519

NO Need for ALC with FL-7000 and Orion combination

read page 10 of FL-7000 amp and it clearly states that there is over drive protection despite no ALC action.

it trips off due to drive greater than 80 watts to protect

to quote the manual

"drive level from exciter has exceeded 80watts, despite ALC fed back from FL-7000 to control excitation"

i use an fl-7000 with my orion and just set the power out from the orion to 50 to 65 watts depending on the band and how hard i want to drive the amp...No ALC....no problem...

that way i get good linear amplification and clean signal and no ALC induced distortion

ALC...stands for Another Lazy Control.... ;-))

my 2 cents severely eroded in value by the bank bail out

Paul K3SF

--- In orion565@yahoogroups.com, Filippo Verlezza <fverlezza@...> wrote:
>
> I confirm .... Yaesu Fl7000 require alc also. Risk is to burn it.... In 40 mt with 25 W you get full power, already.
>
> iv3zff
>
> Filippo
>
> Inviato da iPad
>

8520. Re: [orion565] Re: Orion 565/566 ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-08 18:57:24 UTC
From: K Van Horn
Topic: 8499 Message: 8520

AMEN Paul!!
73,
Kirby, K7EC

From: saukp
Sent: Wednesday, August 08, 2012 12:14 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion 565/566 ALC

NO Need for ALC with FL-7000 and Orion combination

read page 10 of FL-7000 amp and it clearly states that there is over drive protection despite no ALC action.

it trips off due to drive greater than 80 watts to protect

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ALC...stands for Another Lazy Control.... ;-))

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Paul K3SF

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> Filippo
>
> Inviato da iPad
>

[Non-text portions of this message have been removed]

8521. 565 Orion problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-08 20:53:15 UTC
From: w5kg
Topic: 8521 Message: 8521

I received my Orion 1 yesterday. When booting up the rig I got a warning "Battery Failure". I am guessing the the battery needs replacing. I ordered one from TT today. The firmware is ver 1.373, I think. I looked but forgot the ver. but I know it was ver 1. I have been told by Paul at TT that I would have to do a mod to upgrade to the current ver.3 and one of the members here sent the pdf file I need. I thought while in that deep to do the battery I would do the mod. The paper work looks rather stright foward. Wish me luck.
Don, W5KG

8522. RE: [orion565] 565 Orion problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-08 21:44:24 UTC
From: John T. Fleming
Topic: 8521 Message: 8522

Don,

My only warning from EXPERIENCE, (I goofed) be sure you have a very nice fine tip temperature controlled soldering iron for mounting the jumper to the printed circuit board.

Good luck and 73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of w5kg
Sent: Wednesday, August 08, 2012 4:53 PM
To: orion565@yahoogroups.com
Subject: [orion565] 565 Orion problem

I received my Orion 1 yesterday. When booting up the rig I got a warning "Battery Failure". I am guessing the the battery needs replacing. I ordered one from TT today. The firmware is ver 1.373, I think. I looked but forgot the ver. but I know it was ver 1. I have been told by Paul at TT that I would have to do a mod to upgrade to the current ver.3 and one of the members here sent the pdf file I need. I thought while in that deep to do the battery I would do the mod. The paper work looks rather stright foward. Wish me luck.
Don, W5KG

[Non-text portions of this message have been removed]

8523. Re: 565 Orion problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-09 15:53:39 UTC
From: w5kg
Topic: 8521 Message: 8523

Well I finnished the mod on the logic board. Now waiting on battery from TT. Someone wrote that BATTERY FAILURE was normal. I would not think that would be normal, when does a reset after reboot. Paul at TT did act as though it was normal.
Getting to battery out was harder than the mod was.
Thanks for the info.
Don, W5KG

--- In orion565@yahoogroups.com, "w5kg" <w5kg@...> wrote:
>
> I received my Orion 1 yesterday. When booting up the rig I got a warning
> "Battery Failure". I am guessing the the battery needs replacing. I ordered one from TT today. The firmware is ver 1.373, I think. I looked but forgot the ver. but I know it was ver 1. I have been told by Paul at TT that I would have to do a mod to upgrade to the current ver.3 and one of the members here sent the pdf file I need. I thought while in that deep to do the battery I would do the mod. The paper work looks rather stright foward.
> Wish me luck.
> Don, W5KG
>

8524. Re: [orion565] Re: 565 Orion problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-09 16:48:29 UTC
From: Barry N1EU
Topic: 8521 Message: 8524

You can run v2 or v3 firmware without doing the mod. The sweep will not work though. Some of us never use the sweep anyway.

73,
Barry N1EU

On Thu, Aug 9, 2012 at 3:53 PM, w5kg <w5kg@...> wrote:

> **
>
>
> Well I finnished the mod on the logic board. Now waiting on battery from
> TT. Someone wrote that BATTERY FAILURE was normal. I would not think that
> would be normal, when does a reset after reboot. Paul at TT did act as
> though it was normal.
> Getting to battery out was harder than the mod was.
> Thanks for the info.
> Don, W5KG
>
>
> --- In orion565@yahoogroups.com, "w5kg" <w5kg@...> wrote:
> >
> > I received my Orion 1 yesterday. When booting up the rig I got a warning
> > "Battery Failure". I am guessing the the battery needs replacing. I
> ordered one from TT today. The firmware is ver 1.373, I think. I looked but
> forgot the ver. but I know it was ver 1. I have been told by Paul at TT
> that I would have to do a mod to upgrade to the current ver.3 and one of
> the members here sent the pdf file I need. I thought while in that deep to
> do the battery I would do the mod. The paper work looks rather stright
> foward.
> > Wish me luck.
> > Don, W5KG
> >
>
>
>

[Non-text portions of this message have been removed]

8525. re: Orion II Second Receiver - No WWV

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-09 17:43:49 UTC
From: Ed
Topic: 8525 Message: 8525

I'm thinking about getting the full second receiver for the Orion II. My question is once you get this you loose General coverage so you can't receive WWV without having a second rig to copy on. Any thoughts and comments would be appreciated.
Thanks, Ed
N4EK

8526. Re: [orion565] re: Orion II Second Receiver - No WWV

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-10 00:14:24 UTC
From: K Van Horn
Topic: 8525 Message: 8526

Hi Ed,
You do not loose general coverage receive with the rx-366. The only thing that it does not do well is receive the AM broadcast band. I love the new sub receiver....just hate the fact that am broadcast was not supported.
73,
Kirby, k7ec

From: Ed
Sent: Thursday, August 09, 2012 11:43 AM
To: orion565@yahoogroups.com
Subject: [orion565] re: Orion II Second Receiver - No WWV

I'm thinking about getting the full second receiver for the Orion II. My question is once you get this you loose General coverage so you can't receive WWV without having a second rig to copy on. Any thoughts and comments would be appreciated.
Thanks, Ed
N4EK

[Non-text portions of this message have been removed]

8527. Re: [orion565] re: Orion II Second Receiver - No WWV

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-10 02:04:15 UTC
From: Wayne Staples
Topic: 8525 Message: 8527

On 10/08/12 03:43, Ed wrote:
> I'm thinking about getting the full second receiver for the Orion II. My question is once you get this you loose General coverage so you can't receive WWV without having a second rig to copy on. Any thoughts and comments would be appreciated.
> Thanks, Ed
> N4EK
>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>
>

Read the manual you can get WWV 15Mhz on the main Receiver

Wayne VK4EU

8528. Re: [orion565] Orion II Second Receiver - No WWV

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-10 14:03:55 UTC
From: Jerry Rogers
Topic: 8525 Message: 8528

Not sure about the sub-receiver upgrade for the Orion. I have an Eagle, which I understand is the same board upgrade for the sub-receiver. My Eagle receives from MW to 30 MHz, plus the six meter band.

The Eagle on the MW band is good until you go below 1100 KHz, then the sensitivity drops off.

I use it for Ham and SWL. I must say the N4PY software makes the Eagle shine with flexibility.

I do have an Orion II, and for me the sub-receiver (Jupiter receiver) works fine. It could be better, but for what I use it for it works. I do a lot of cw, and some contesting. Time will tell if I do the sub-receiver upgrade.

So, I do not understand why the Eagle motherboard would not work for SWL.

Jerry
ki4ps

On Aug 9, 2012, at 10:04 PM, Wayne Staples <vk4eu@...> wrote:

> On 10/08/12 03:43, Ed wrote:
> > I'm thinking about getting the full second receiver for the Orion II. My question is once you get this you loose General coverage so you can't receive WWV without having a second rig to copy on. Any thoughts and comments would be appreciated.
> > Thanks, Ed
> > N4EK
> >
> >
> >
> > ------------------------------------
> >
> >
> > Yahoo! Groups Links
> >
> >
> >
> >
> Read the manual you can get WWV 15Mhz on the main Receiver
>
> Wayne VK4EU
>
>
>
>
>
>

[Non-text portions of this message have been removed]

8529. Re: [orion565] Orion II Second Receiver - No WWV

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-10 15:28:39 UTC
From: Barry N1EU
Topic: 8525 Message: 8529

On Fri, Aug 10, 2012 at 2:03 PM, Jerry Rogers <ki4ps@...> wrote:

> Not sure about the sub-receiver upgrade for the Orion. I have an Eagle,
> which I understand is the same board upgrade for the sub-receiver.
>
> The Eagle on the MW band is good until you go below 1100 KHz, then the
> sensitivity drops off.
>

I notice the same thing on my RX366

Barry N1EU

[Non-text portions of this message have been removed]

8530. Orion I and HRD / N1MM issues

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-26 01:13:29 UTC
From: w5xj2011
Topic: 8530 Message: 8530

I'm trying to get my O1 to work with windows 7, usb serial adapter with HRD and N1MM and it is not going well. Can anybody point me in the right direct? If so please email me at my call at a r r l dot net

Thanks & 73 de W5XJ in Dallas

8531. Orion I and Signal link USB in Dallas, Texas

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-26 01:19:28 UTC
From: w5xj2011
Topic: 8531 Message: 8531

Does anyone in the Dallas area currently run digital modes with the SL USB device and an O-1? Mine will "hear" the waterfall but the TX output is nil. I've read and know all about setting up the SL USB, soundcard, etc.

I've heard there may be an issue with the Orion digital jack in the back of the radio. If possible I'd like to bring my rig and SL USB device and try it to see if it works. If so please email me at my call at arrl dot net.

Thanks & 73 de W5XJ in Dallas, Texas
Cell 214-908-6355

8532. Re: [orion565] Orion I and Signal link USB in Dallas, Texas

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-26 02:43:19 UTC
From: K5see
Topic: 8531 Message: 8532

I had the same issue and had to send it toTentec to fix.
73, John

-----Original Message-----
From: w5xj2011 <cole505@...>
To: orion565 <orion565@yahoogroups.com>
Sent: Sat, Aug 25, 2012 8:19 pm
Subject: [orion565] Orion I and Signal link USB in Dallas, Texas

Does anyone in the Dallas area currently run digital modes with the SL USB device and an O-1? Mine will "hear" the waterfall but the TX output is nil. I've read and know all about setting up the SL USB, soundcard, etc.

I've heard there may be an issue with the Orion digital jack in the back of the radio. If possible I'd like to bring my rig and SL USB device and try it to see if it works. If so please email me at my call at arrl dot net.

Thanks & 73 de W5XJ in Dallas, Texas
Cell 214-908-6355

[Non-text portions of this message have been removed]

8533. Re: [orion565] Orion I and Signal link USB in Dallas, Texas

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-26 03:04:04 UTC
From: Jerry, N9AW
Topic: 8531 Message: 8533

Do you know what they had to do to it because I've had that same problem with my Orion II since I bought it?

73
Jerry N9AW
n9aw@...

----- Original Message -----
From: K5see
To: orion565@yahoogroups.com
Sent: Saturday, August 25, 2012 9:43 PM
Subject: Re: [orion565] Orion I and Signal link USB in Dallas, Texas

I had the same issue and had to send it toTentec to fix.
73, John

-----Original Message-----
From: w5xj2011 <cole505@...>
To: orion565 <orion565@yahoogroups.com>
Sent: Sat, Aug 25, 2012 8:19 pm
Subject: [orion565] Orion I and Signal link USB in Dallas, Texas

Does anyone in the Dallas area currently run digital modes with the SL USB device and an O-1? Mine will "hear" the waterfall but the TX output is nil. I've read and know all about setting up the SL USB, soundcard, etc.

I've heard there may be an issue with the Orion digital jack in the back of the radio. If possible I'd like to bring my rig and SL USB device and try it to see if it works. If so please email me at my call at arrl dot net.

Thanks & 73 de W5XJ in Dallas, Texas
Cell 214-908-6355

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8534. Re: Orion I and Signal link USB in Dallas, Texas

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-26 07:49:31 UTC
From: pa1ap
Topic: 8531 Message: 8534

Something you might want to check;

1-the default value of the aux input gain (menu / ssb) is often to low to work. turn it up
2- same menu the tx audio source needs to be set to aux.
3- check with voltmeter if the din audio in / out provides a 5v dc voltage. if so, please include a capacitor to avoid that voltage to saturate the transformers within the signal link usb device

I have signalink usb connected on my orion 565 and it works fine.

best regards, onno

--- In orion565@yahoogroups.com, "w5xj2011" <cole505@...> wrote:
>
> Does anyone in the Dallas area currently run digital modes with the SL USB device and an O-1? Mine will "hear" the waterfall but the TX output is nil. I've read and know all about setting up the SL USB, soundcard, etc.
>
> I've heard there may be an issue with the Orion digital jack in the back of the radio. If possible I'd like to bring my rig and SL USB device and try it to see if it works. If so please email me at my call at arrl dot net.
>
> Thanks & 73 de W5XJ in Dallas, Texas
> Cell 214-908-6355
>

8535. Re: Orion I and Signal link USB in Dallas, Texas

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-26 11:59:25 UTC
From: Rolf Krogstad
Topic: 8531 Message: 8535

This may not be your issue, but I will throw it out there as something to try, just in case.

Have you tried connecting directly to the radio from a serial terminal program such as Hyperterminal or PuTTY in Serial Mode?

If you are using a serial to USB adapter some software is not compatible with all of the chip sets out there - - or maybe it is the reverse and all chip sets are not compatible with all software platforms. It doesn't matter which came first, but there is a known compatibility issue.

I found that N1MM Contesting software would not work with a USB to serial converter based on the Prolific chipset. But I could send and receive commands directly to/from the radio using a serial communications program, so I knew the radio's COM port was good.

I bought a USB-COM adapter from Byte Runner and haven't had a problem since.

Good Luck,
Rolf NR0T

<<< Sat Aug 25, 2012 6:19 pm (PDT) . >>>>>
<<<<<"w5xj2011" w5xj2011>>>>>
<cole505@...?subject=Re%3A%20Orion%20I%20and%20Signal%20link%20USB%20in%20Dallas%2C%20Texas>
Orion I and Signal link USB in Dallas, Texas
<http://groups.yahoo.com/group/orion565/message/8531;_ylc=X3oDMTJyOXVnMW9hBF9TAzk3MzU5NzE1BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM4NTMxBHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzEzNDU5NzQ3MTk->
Does anyone in the Dallas area currently run digital modes with the SL USB device and an O-1? Mine will "hear" the waterfall but the TX output is nil. I've read and know all about setting up the SL USB, soundcard, etc.

I've heard there may be an issue with the Orion digital jack in the back of the radio. If possible I'd like to bring my rig and SL USB device and try it to see if it works. If so please email me at my call at arrl dot net.

Thanks & 73 de W5XJ in Dallas, Texas
Cell 214-908-6355

[Non-text portions of this message have been removed]

8536. Re: Orion I and Signal link USB in Dallas, Texas

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-26 12:49:46 UTC
From: Skip
Topic: 8531 Message: 8536

Check the files section of this forum. Last year I posted a Word file of the arrangement I have for using the SignaLink with my Orion 11.

--- In orion565@yahoogroups.com, "w5xj2011" <cole505@...> wrote:
>
> Does anyone in the Dallas area currently run digital modes with the SL USB device and an O-1? Mine will "hear" the waterfall but the TX output is nil. I've read and know all about setting up the SL USB, soundcard, etc.
>
> I've heard there may be an issue with the Orion digital jack in the back of the radio. If possible I'd like to bring my rig and SL USB device and try it to see if it works. If so please email me at my call at arrl dot net.
>
> Thanks & 73 de W5XJ in Dallas, Texas
> Cell 214-908-6355
>

8537. Re: [orion565] Orion I and Signal link USB in Dallas, Texas

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-26 17:05:53 UTC
From: K5see
Topic: 8531 Message: 8537

Symptom was: audio from signal link would not drive the transmitter. fix: replaced bad capacitor on the logic board #23524.

-----Original Message-----
From: Jerry, N9AW <n9aw@...>
To: orion565 <orion565@yahoogroups.com>
Sent: Sat, Aug 25, 2012 10:04 pm
Subject: Re: [orion565] Orion I and Signal link USB in Dallas, Texas

Do you know what they had to do to it because I've had that same problem with my Orion II since I bought it?

73
Jerry N9AW
n9aw@...

----- Original Message -----
From: K5see
To: orion565@yahoogroups.com
Sent: Saturday, August 25, 2012 9:43 PM
Subject: Re: [orion565] Orion I and Signal link USB in Dallas, Texas

I had the same issue and had to send it toTentec to fix.
73, John

-----Original Message-----
From: w5xj2011 <cole505@swbell.net>
To: orion565 <orion565@yahoogroups.com>
Sent: Sat, Aug 25, 2012 8:19 pm
Subject: [orion565] Orion I and Signal link USB in Dallas, Texas

Does anyone in the Dallas area currently run digital modes with the SL USB device and an O-1? Mine will "hear" the waterfall but the TX output is nil. I've read and know all about setting up the SL USB, soundcard, etc.

I've heard there may be an issue with the Orion digital jack in the back of the radio. If possible I'd like to bring my rig and SL USB device and try it to see if it works. If so please email me at my call at arrl dot net.

Thanks & 73 de W5XJ in Dallas, Texas
Cell 214-908-6355

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8538. Re: Orion I and Signal link USB in Dallas, Texas

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-26 17:35:36 UTC
From: w5xj2011
Topic: 8531 Message: 8538

My adapter made by gigaware works fine with the N1MM logger. I bet it is an issue with the radio

--- In orion565@yahoogroups.com, Rolf Krogstad <rolf.krogstad@...> wrote:
>
> This may not be your issue, but I will throw it out there as something to
> try, just in case.
>
> Have you tried connecting directly to the radio from a serial terminal
> program such as Hyperterminal or PuTTY in Serial Mode?
>
> If you are using a serial to USB adapter some software is not compatible
> with all of the chip sets out there - - or maybe it is the reverse and all
> chip sets are not compatible with all software platforms. It doesn't
> matter which came first, but there is a known compatibility issue.
>
> I found that N1MM Contesting software would not work with a USB to serial
> converter based on the Prolific chipset. But I could send and receive
> commands directly to/from the radio using a serial communications program,
> so I knew the radio's COM port was good.
>
> I bought a USB-COM adapter from Byte Runner and haven't had a problem since.
>
> Good Luck,
> Rolf NR0T
>
> <<< Sat Aug 25, 2012 6:19 pm (PDT) . >>>>>
> <<<<<"w5xj2011" w5xj2011>>>>>
> <cole505@...?subject=Re%3A%20Orion%20I%20and%20Signal%20link%20USB%20in%20Dallas%2C%20Texas>
> Orion I and Signal link USB in Dallas, Texas
> <http://groups.yahoo.com/group/orion565/message/8531;_ylc=X3oDMTJyOXVnMW9hBF9TAzk3MzU5NzE1BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM4NTMxBHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzEzNDU5NzQ3MTk->
> Does anyone in the Dallas area currently run digital modes with the SL USB
> device and an O-1? Mine will "hear" the waterfall but the TX output is nil.
> I've read and know all about setting up the SL USB, soundcard, etc.
>
> I've heard there may be an issue with the Orion digital jack in the back of
> the radio. If possible I'd like to bring my rig and SL USB device and try
> it to see if it works. If so please email me at my call at arrl dot net.
>
> Thanks & 73 de W5XJ in Dallas, Texas
> Cell 214-908-6355
>

>
> [Non-text portions of this message have been removed]
>

8539. Re: Orion I and Signal link USB in Dallas, Texas

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-26 17:39:15 UTC
From: w5xj2011
Topic: 8531 Message: 8539

Thanks Ed i read that when you posted it last year but it has no effect. You did write a great resource and it is saved on my HD. I bet the radio is fubar. Time to call Paul! My digi interface has never worked but the SL USB works FB with other radios.

--- In orion565@yahoogroups.com, "Skip" <ebhudgens@...> wrote:
>
> Check the files section of this forum. Last year I posted a Word file of the arrangement I have for using the SignaLink with my Orion 11.
>
> --- In orion565@yahoogroups.com, "w5xj2011" <cole505@> wrote:
> >
> > Does anyone in the Dallas area currently run digital modes with the SL USB device and an O-1? Mine will "hear" the waterfall but the TX output is nil. I've read and know all about setting up the SL USB, soundcard, etc.
> >
> > I've heard there may be an issue with the Orion digital jack in the back of the radio. If possible I'd like to bring my rig and SL USB device and try it to see if it works. If so please email me at my call at arrl dot net.
> >
> > Thanks & 73 de W5XJ in Dallas, Texas
> > Cell 214-908-6355
> >
>

8540. Re: [orion565] Re: Orion I and Signal link USB in Dallas, Texas

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-26 17:42:22 UTC
From: harrylarge
Topic: 8531 Message: 8540

Harry Large
USAF SMSGT Retired
AH6FF

On Aug 26, 2012, at 1:39 PM, w5xj2011 wrote:

> Thanks Ed i read that when you posted it last year but it has no effect. You did write a great resource and it is saved on my HD. I bet the radio is fubar. Time to call Paul! My digi interface has never worked but the SL USB works FB with other radios.
>
> --- In orion565@yahoogroups.com, "Skip" <ebhudgens@...> wrote:
> >
> > Check the files section of this forum. Last year I posted a Word file of the arrangement I have for using the SignaLink with my Orion 11.
> >
> > --- In orion565@yahoogroups.com, "w5xj2011" <cole505@> wrote:
> > >
> > > Does anyone in the Dallas area currently run digital modes with the SL USB device and an O-1? Mine will "hear" the waterfall but the TX output is nil. I've read and know all about setting up the SL USB, soundcard, etc.
> > >
> > > I've heard there may be an issue with the Orion digital jack in the back of the radio. If possible I'd like to bring my rig and SL USB device and try it to see if it works. If so please email me at my call at arrl dot net.
> > >
> > > Thanks & 73 de W5XJ in Dallas, Texas
> > > Cell 214-908-6355
> > >
> >
>
>

[Non-text portions of this message have been removed]

8541. 565 with version 3.XX firmware install

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-26 17:46:07 UTC
From: w5xj2011
Topic: 8541 Message: 8541

I'm about to put the 3.032 software on my O-1 and wanted to know if you have any instructions. I have downloaded the file and found article on flashing firmware and article 74474 on version 3. It is not clear to me however. My used 565 came with V 2.XX on it so i have not had to do an upgrade yet. Pardon my ignorance of this.

Also how is the new firmware playing for you guys that have done the upgrade?

This forum is a great resource and I appreciate all the help you guys have given me.

Many thanks & 73 de Grant / W5XJ in Dallas, Texas

8542. Re: Orion I and Signal link USB in Dallas, Texas

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-26 17:47:29 UTC
From: w5xj2011
Topic: 8531 Message: 8542

???? Harry there was no message only your sig line

--- In orion565@yahoogroups.com, harrylarge <harry.large@...> wrote:
>
>
> Harry Large
> USAF SMSGT Retired
> AH6FF
>
>
>
> On Aug 26, 2012, at 1:39 PM, w5xj2011 wrote:
>
> > Thanks Ed i read that when you posted it last year but it has no effect. You did write a great resource and it is saved on my HD. I bet the radio is fubar. Time to call Paul! My digi interface has never worked but the SL USB works FB with other radios.
> >
> > --- In orion565@yahoogroups.com, "Skip" <ebhudgens@> wrote:
> > >
> > > Check the files section of this forum. Last year I posted a Word file of the arrangement I have for using the SignaLink with my Orion 11.
> > >
> > > --- In orion565@...m, "w5xj2011" <cole505@> wrote:
> > > >
> > > > Does anyone in the Dallas area currently run digital modes with the SL USB device and an O-1? Mine will "hear" the waterfall but the TX output is nil. I've read and know all about setting up the SL USB, soundcard, etc.
> > > >
> > > > I've heard there may be an issue with the Orion digital jack in the back of the radio. If possible I'd like to bring my rig and SL USB device and try it to see if it works. If so please email me at my call at arrl dot net.
> > > >
> > > > Thanks & 73 de W5XJ in Dallas, Texas
> > > > Cell 214-908-6355
> > > >
> > >
> > >
> >
> >
> >
> > [Non-text portions of this message have been removed]
>

8543. Re:

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-27 12:04:36 UTC
From: Amos Favorite
Topic: 8543 Message: 8543

Nice day) http://www.predialmagos.com/poganini112.html?emluckyid=66ek7

[Non-text portions of this message have been removed]

8544. Re: [orion565] Re:

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-27 12:26:52 UTC
From: Sam W Jacobs CET
Topic: 8543 Message: 8544

Pardon Me ??

From: Amos Favorite <w5sjl@...>
To: ajnfavorite@...; dianne.wheeler49@...; orion565@yahoogroups.com; kd5knz@...; scott@...; acrump@mmiemail.com; n5kdv@...
Sent: Monday, August 27, 2012 8:04 AM
Subject: [orion565] Re:

Nice day) http://www.predialmagos.com/poganini112.html?emluckyid=66ek7

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8546. Re: [orion565] Internal CW-keyer

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-27 16:59:47 UTC
From: Fernando
Topic: 8545 Message: 8546

Hello

Any chance you may have the headphones plugged in the cw jack?

Fernando N2FQ/6
n2fq@...

On Aug 27, 2012, at 9:13 AM, sm6cgi <sm6cgi@...> wrote:

> Hi out there,
> I recently bought my self one Orion (565) and joined this group to be able to learn from you out there.
> Probably I miss something to have the internal CW keyer working. This is what happen when, in CW mode, I press the "SP" button. The keyer start to send dashes, and that even without the Bencher paddel connected to the rig. I can't find anything in the manual to solve this.
> Help needed!
>
> 73 SM6CGI/Lars
>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

8548. Re: OII Speaker audio leak

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-27 21:25:23 UTC
From: Joe
Topic: 7983 Message: 8548

Peter:
I know this is late...but did you ever find a reason for this. It just showed up on my Orion 2 today....
73, Joe, KX4JR

--- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@...> wrote:
>
> Den 10-04-2012 15:48, wolfmanjack@... skrev:
> > Do you have the volume turned all the way down on the sub receiver
> > AF...this caught me one time...
> >
> > 73 John K7FD
> Yes, and it's the Wanted signal (mostly I notice it when running JT65)
> that bleed through.
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> **
> ** Genius is one per cent inspiration, **
> ** and ninety-nine per cent **
> ** perspiration. **
> ** -- Thomas A. Edison **
> **
> email: peter(no-spam filler)@frenning.dk
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **
>

8549. Orion II main af control touchy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-28 03:42:32 UTC
From: k7fd
Topic: 8549 Message: 8549

FYI, it seems my main AF volume control is exhibiting strange behavior at times...

It gets 'stuck' sometimes and will not respond to turning the knob back and forth. The bar graph associated with the volume level does not increase or decrease either. To get control back I've noticed a slight tug on the knob will make it work again...or turning the rig off and back on, too.

So I can't tell if it's a mechanical or electrical issue. Anyone else ever have this happen?
99 percent of the time it works like it should...and I can't duplicate it.

73 John K7FD

8550. Re: [orion565] Orion II main af control touchy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-28 03:56:13 UTC
From: Rod Greene
Topic: 8549 Message: 8550

Same here. In addition, the sub Rex volume does the same thing. If I press on the front panel (like fixing the rit) it starts working again. 73, Rod w7zrc

[Non-text portions of this message have been removed]

8551. Re: [orion565] Orion II main af control touchy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-28 04:06:15 UTC
From: Peter Akins
Topic: 8549 Message: 8551

I had the same problem on an Orion 1 following a software upgrade. Same for both main and sub. Even fiddling the knob/s eventually seemed to fixed it (until next time it happened, which was quite quickly). Had to reinstall the software to fix it permanently.
Have you had the problem for long , or has it occurred since you perhaps recently installed or upgraded your software? Or did the problem just suddenly start all by itself, for no identifiable reason?
Peter

On 28/08/12 1:42 PM, "k7fd" <wolfmanjack@...> wrote:

>
> FYI, it seems my main AF volume control is exhibiting strange behavior at
> times...
>
> It gets 'stuck' sometimes and will not respond to turning the knob back and
> forth. The bar graph associated with the volume level does not increase or
> decrease either. To get control back I've noticed a slight tug on the knob
> will make it work again...or turning the rig off and back on, too.
>
> So I can't tell if it's a mechanical or electrical issue. Anyone else ever
> have this happen?
> 99 percent of the time it works like it should...and I can't duplicate it.
>
> 73 John K7FD

[Non-text portions of this message have been removed]

8552. RE: [orion565] Orion II main af control touchy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-28 04:30:09 UTC
From: John Hudson
Topic: 8549 Message: 8552

My O1 has done this for some time now. A lot of the times I push a button or knob and nothing happens. Most times I have to push whatever button 2 or 3 times to make it function. Whenever I'm in a sub menus and I go to change a value I've actually turned the knobs to lessen the value and the display will show the value to increase before it decreases. Something I've learned to live with

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Peter Akins
Sent: Monday, August 27, 2012 11:06 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion II main af control touchy

I had the same problem on an Orion 1 following a software upgrade. Same for both main and sub. Even fiddling the knob/s eventually seemed to fixed it (until next time it happened, which was quite quickly). Had to reinstall the software to fix it permanently.
Have you had the problem for long , or has it occurred since you perhaps recently installed or upgraded your software? Or did the problem just suddenly start all by itself, for no identifiable reason?
Peter

On 28/08/12 1:42 PM, "k7fd" <wolfmanjack@...
<mailto:wolfmanjack%40charter.net> > wrote:

>
> FYI, it seems my main AF volume control is exhibiting strange behavior at
> times...
>
> It gets 'stuck' sometimes and will not respond to turning the knob back
and
> forth. The bar graph associated with the volume level does not increase or
> decrease either. To get control back I've noticed a slight tug on the knob
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> 99 percent of the time it works like it should...and I can't duplicate it.
>
> 73 John K7FD

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8554. RE: [orion565] Orion II main af control touchy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-28 04:54:54 UTC
From: John Hudson
Topic: 8549 Message: 8554

Tom I changed the battery out a few months ago for another reasons (didn't fix it either) but it's aggravating to know that you are turning a "encoder" to turn the value down but the values increases

One thing I have noticed in the last 2 or 3 upgrades is that sometimes the controls are a slight bit slower in responding. I'm wondering if the newer softwares have affected the response time of the controls.but then again it may just be me J

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of catfishtwo@...
Sent: Monday, August 27, 2012 11:48 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion II main af control touchy

I started getting all kinds of weird problems similar to these, and it was my memory battery, located behind the front panel, not hard to change. small yellow square. tom N6AJR

In a message dated 8/27/2012 9:35:22 P.M. Pacific Daylight Time, jd_hudson@... <mailto:jd_hudson%40comcast.net> writes:

My O1 has done this for some time now. A lot of the times I push a button or
knob and nothing happens. Most times I have to push whatever button 2 or 3
times to make it function. Whenever I'm in a sub menus and I go to change a value I've actually turned the knobs to lessen the value and the display will show the value to increase before it decreases. Something I've learned to live with

John

KO4XJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
Of Peter Akins
Sent: Monday, August 27, 2012 11:06 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] Orion II main af control touchy

I had the same problem on an Orion 1 following a software upgrade. Same for
both main and sub. Even fiddling the knob/s eventually seemed to fixed it
(until next time it happened, which was quite quickly). Had to reinstall
the
software to fix it permanently.
Have you had the problem for long , or has it occurred since you perhaps
recently installed or upgraded your software? Or did the problem just
suddenly start all by itself, for no identifiable reason?
Peter

On 28/08/12 1:42 PM, "k7fd" <wolfmanjack@...
<mailto:wolfmanjack%40charter.net>
<mailto:wolfmanjack%40charter.net> > wrote:

>
> FYI, it seems my main AF volume control is exhibiting strange behavior at
> times...
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> It gets 'stuck' sometimes and will not respond to turning the knob back
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> So I can't tell if it's a mechanical or electrical issue. Anyone else
ever
> have this happen?
> 99 percent of the time it works like it should...and I can't duplicate
it.
>
> 73 John K7FD

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[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8556. Re: [orion565] Re: OII Speaker audio leak

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-28 08:02:52 UTC
From: Peter Frenning [OZ1PIF]
Topic: 7983 Message: 8556

Den 27-08-2012 23:25, Joe skrev:
> Peter:
> I know this is late...but did you ever find a reason for this. It just showed up on my Orion 2 today....
> 73, Joe, KX4JR
>
> --- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@...> wrote:
>> Den 10-04-2012 15:48, wolfmanjack@... skrev:
>>> Do you have the volume turned all the way down on the sub receiver
>>> AF...this caught me one time...
>>>
>>> 73 John K7FD
>> Yes, and it's the Wanted signal (mostly I notice it when running JT65)
>> that bleed through.
>>
>> --
>> Vy 73 de OZ1PIF/5Q2M, Peter
>>
>
No, I didn't - I still have that problem....

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Genius is one per cent inspiration, **
** and ninety-nine per cent **
** perspiration. **
** -- Thomas A. Edison **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

8557. Re: [orion565] Orion II main af control touchy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-28 12:22:27 UTC
From: wolfmanjack@charter.net
Topic: 8549 Message: 8557

Well misery loves company and it's comforting to know I am not alone,
hi. My new O2 is about 4 months old and I upgraded to the latest
firmware the day it was available. I don't remember having the problem
before upgrading but then again I hadn't had the rig long. I do notice
the problem more in the last 2 weeks more than before however. The only
knob affected on my O2 is the MAIN AF, all others appear to be OK. I'll
reinstall the firmware again and see if that helps...

73 John K7FD

On Mon, Aug 27, 2012 at 9:06 PM, Peter Akins wrote:

I had the same problem on an Orion 1 following a software upgrade.
Same for
both main and sub. Even fiddling the knob/s eventually seemed to fixed
it
(until next time it happened, which was quite quickly). Had to reinstall
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software to fix it permanently.
Have you had the problem for long , or has it occurred since you perhaps
recently installed or upgraded your software? Or did the problem just
suddenly start all by itself, for no identifiable reason?
Peter

On 28/08/12 1:42 PM, "k7fd" < wolfmanjack@...
<javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>
> wrote:

>
> FYI, it seems my main AF volume control is exhibiting strange behavior
> at times...
> It gets 'stuck' sometimes and will not respond to turning the knob
> back and forth. The bar graph associated with the volume level does
> not increase or decrease either. To get control back I've noticed a
> slight tug on the knob will make it work again...or turning the rig
> off and back on, too.
> So I can't tell if it's a mechanical or electrical issue. Anyone else
> ever have this happen? 99 percent of the time it works like it
> should...and I can't duplicate it.
> 73 John K7FD

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('wolfmanjack@charter.net')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

8558. Re: [orion565] Orion II main af control touchy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-28 12:59:28 UTC
From: Sam W Jacobs CET
Topic: 8549 Message: 8558

I probably shouldn't let the cat out of the bag (John Henry is going to kill me) but I'm using the NEW ORION III. I can't even begin to tell you of all the nifty features including the Ten Tec Virtual View (TTVV) ©™ touch screen with icons and the Voice Activated Command Center (VACC) ©™.

I believe my old ORION II had these problems but can't remember for sure. I know that with my ORION III docked to my computer (blue tooth) and my smart phone, Radio has never been this much fun before. I can walk around the house with my wireless headphones / mic on... up to about 150 feet using the TenTec BTB (Blue Tooth Booster) or wake the unit up remotely from my car or while shopping or hiking. I don't have part numbers yet but think the ORION III will be a model #777.

Watch T*T's website for an announcement sometime late fall or early 2013.

-Sam *

OFAIDL

From: "wolfmanjack@..." <wolfmanjack@...>
To: orion565@yahoogroups.com
Sent: Tuesday, August 28, 2012 8:22 AM
Subject: Re: [orion565] Orion II main af control touchy

Well misery loves company and it's comforting to know I am not alone,
hi. My new O2 is about 4 months old and I upgraded to the latest
firmware the day it was available. I don't remember having the problem
before upgrading but then again I hadn't had the rig long. I do notice
the problem more in the last 2 weeks more than before however. The only
knob affected on my O2 is the MAIN AF, all others appear to be OK. I'll
reinstall the firmware again and see if that helps...

73 John K7FD

On Mon, Aug 27, 2012 at 9:06 PM, Peter Akins wrote:

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[Non-text portions of this message have been removed]

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<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]
* this was a dream of mine that I thought I'd share with everyone

[Non-text portions of this message have been removed]

8559. Re: Orion II main af control touchy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-28 13:16:44 UTC
From: John
Topic: 8549 Message: 8559

Thanks Sam, I wish I was developing something like that now. And for those that think that something like that is coming out, uh, think again. We have our hands full getting several models into and through first production runs, 418 539, etc.
Yes, we are always thinking about what the next rigs should be, but there are several things we still have planned and in progress for the existing rigs, 566, 588, 599, etc. So, whereas Sam had some great ideas, I don't think those will happen even in 2013.

And don't worry Sam, we are still going to nail down the AN on line out issue you had brought up, just need to get time.

Thanks, and 73,
John Henry, KI4JPL
TenTec Engineering

--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> I probably shouldn't let the cat out of the bag (John Henry is going to kill me) but I'm using the NEW ORION III.Â I can't even begin to tell you of all the nifty features including the Ten Tec Virtual View (TTVV) Â©â□¢ touch screen with icons and the Voice Activated Command Center (VACC) Â©â□¢.
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> I believe my old ORION II had these problems but can't remember for sure.Â I know that with my ORION III docked to my computer (blue tooth) and my smart phone, Radio has never been this much fun before.Â I can walk around the house with my wireless headphones / mic on... up to about 150 feet using the TenTec BTB (Blue Tooth Booster) or wake the unit up remotely from my car or while shopping or hiking.Â I don't have part numbers yet but think the ORION III will be a model #777.
>
> Watch T*T's website for an announcement sometime late fall or early 2013.
>
> -Sam *
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> _____
> From: "wolfmanjack@..." <wolfmanjack@...>
> To: orion565@yahoogroups.com
> Sent: Tuesday, August 28, 2012 8:22 AM
> Subject: Re: [orion565] Orion II main af control touchy
>
>
> Â
>
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> Well misery loves company and it's comforting to know I am not alone,
> hi. My new O2 is about 4 months old and I upgraded to the latest
> firmware the day it was available. I don't remember having the problem
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> 73 John K7FD
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>
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>

8560. Re: [orion565] Re: Orion II main af control touchy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-28 13:44:55 UTC
From: Sam W Jacobs CET
Topic: 8549 Message: 8560

No problem John. Those that know me know that "I DON'T LIE" !! I can't, it's not built in me (anymore). It's a long story I'd be happy to share with anyone, but I just don't lie, period. Not even a little white lie, nope !!

So, if you carefully inspect that email I sent, you will see a little "*" beside my name. If you look at the bottom of the email it clearly (ha) says, and I quote myself here... "* this was a dream of mine that I thought I'd share with everyone".

So you see, I was just checking to see if everyone was awake.

And yes John, it was bad last night with all the pops and clicks, but I will wait patiently for the fix. Good things are worth waiting for.

So in the mean time I'll sit back and play with my ORION III, and all the other dreams I've had lately (glad to see you are reading these threads... no wonder I own a Ten Tec ! Talking directly to you is like having a Bat-phone connected directly to the president... (disclaimer: not comparing you with the asshole in Washington)).

73,
Sam
K3SAM
TenTec Engineering Benefactor

From: John <jhenry@...>
To: orion565@yahoogroups.com
Sent: Tuesday, August 28, 2012 9:16 AM
Subject: [orion565] Re: Orion II main af control touchy

Thanks Sam, I wish I was developing something like that now. And for those that think that something like that is coming out, uh, think again. We have our hands full getting several models into and through first production runs, 418 539, etc.
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> [Non-text portions of this message have been removed]
>
> <javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>
> <http://docs.yahoo.com/info/terms/>
>
> [Non-text portions of this message have been removed]
> * this was a dream of mine that I thought I'd share with everyone
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

8561. Re: [orion565] Orion II main af control touchy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-28 13:52:05 UTC
From: Jerry Rogers
Topic: 8549 Message: 8561

My Orion II has developed problems in a similar way. My main volume knob has an issue, plus the PBT seems to go off in the wrong directions while turning it in the opposite direction.

So it seems there might be an issue in the new upgrades.

Jerry
ki4ps

On Aug 28, 2012, at 8:22 AM, wolfmanjack@charter.net wrote:

>
>
> Well misery loves company and it's comforting to know I am not alone,
> hi. My new O2 is about 4 months old and I upgraded to the latest
> firmware the day it was available. I don't remember having the problem
> before upgrading but then again I hadn't had the rig long. I do notice
> the problem more in the last 2 weeks more than before however. The only
> knob affected on my O2 is the MAIN AF, all others appear to be OK. I'll
> reinstall the firmware again and see if that helps...
>
> 73 John K7FD
>
> On Mon, Aug 27, 2012 at 9:06 PM, Peter Akins wrote:
>
> I had the same problem on an Orion 1 following a software upgrade.
> Same for
> both main and sub. Even fiddling the knob/s eventually seemed to fixed
> it
> (until next time it happened, which was quite quickly). Had to reinstall
> the
> software to fix it permanently.
> Have you had the problem for long , or has it occurred since you perhaps
> recently installed or upgraded your software? Or did the problem just
> suddenly start all by itself, for no identifiable reason?
> Peter
>
> On 28/08/12 1:42 PM, "k7fd" < wolfmanjack@...
> <javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>
> > wrote:
>
> >
> > FYI, it seems my main AF volume control is exhibiting strange behavior
> > at times...
> > It gets 'stuck' sometimes and will not respond to turning the knob
> > back and forth. The bar graph associated with the volume level does
> > not increase or decrease either. To get control back I've noticed a

> > slight tug on the knob will make it work again...or turning the rig
> > off and back on, too.
> > So I can't tell if it's a mechanical or electrical issue. Anyone else
> > ever have this happen? 99 percent of the time it works like it
> > should...and I can't duplicate it.
> > 73 John K7FD
>
> [Non-text portions of this message have been removed]
>
> <javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>
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>
> [Non-text portions of this message have been removed]
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8562. Re: [orion565] Re: OII Speaker audio leak

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-28 16:42:34 UTC
From: Joe KX4JR
Topic: 7983 Message: 8562

On 8/28/2012 4:02 AM, Peter Frenning [OZ1PIF] wrote:
> Den 27-08-2012 23:25, Joe skrev:
>> Peter:
>> I know this is late...but did you ever find a reason for this. It just showed up on my Orion 2 today....
>> 73, Joe, KX4JR
>>
>> --- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@...> wrote:
>>> Den 10-04-2012 15:48, wolfmanjack@... skrev:
>>>> Do you have the volume turned all the way down on the sub receiver
>>>> AF...this caught me one time...
>>>>
>>>> 73 John K7FD
>>> Yes, and it's the Wanted signal (mostly I notice it when running JT65)
>>> that bleed through.
>>>
>>> --
>>> Vy 73 de OZ1PIF/5Q2M, Peter
>>>
>>
> No, I didn't - I still have that problem....
>
Peter....
I got rid of it (I believe) after I sent the above email....
Did a MASTER RESET! Fortunately, I had Onno's PA1AP backup and restore program for the Orion's' so I was able to re-install all my settings from a prior date and now all is quiet...(for now anyway hi hi).
73, Joe KX4JR

8563. Orion 1 and 3.032 firware update question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-28 18:57:31 UTC
From: w5kg
Topic: 8563 Message: 8563

After I updated to ver. 3.032 I found that the sweep function in the menu and the button on the front does not change the range any longer. I can only turn it on or off. Not a big deal but just wandering if that is the way it is suppose to be now.
Also every thing else seems to be working OK.
The more I use the Orion the better I like it.
Thanks for reading.
Don, W5KG

8564. Re: [orion565] Orion 1 and 3.032 firware update question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-28 19:42:56 UTC
From: Barry N1EU
Topic: 8563 Message: 8564

Sounds right but I admittedly NEVER use the sweep.

Barry N1EU

On Tue, Aug 28, 2012 at 6:57 PM, w5kg <w5kg@...> wrote:

> **
>
>
> After I updated to ver. 3.032 I found that the sweep function in the menu
> and the button on the front does not change the range any longer. I can
> only turn it on or off. Not a big deal but just wandering if that is the
> way it is suppose to be now.
> Also every thing else seems to be working OK.
> The more I use the Orion the better I like it.
> Thanks for reading.
> Don, W5KG
>
>
>

[Non-text portions of this message have been removed]

8565. Re: Orion II main af control touchy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-28 21:26:45 UTC
From: k1fpv
Topic: 8549 Message: 8565

Hmmm, that is a bit funny. I hadn't updated the firmware on my Orion II in a long time. I was running 2.044A for a couple years and was starting to get funky responses from a couple of the controls.

I recently updated to the new 3.029 and all the problems went bye-bye! The Orion behaves perfectly now though I've noticed that the range on some of the controls is a little greater. I don't have the new receiver as I rarely use both receivers at the same time.

I like the Orion II.......I'm curious to see how the Orion III is!

Bill/K1FPV

--- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@...> wrote:
>
> My Orion II has developed problems in a similar way. My main volume knob has an issue, plus the PBT seems to go off in the wrong directions while turning it in the opposite direction.
>
> So it seems there might be an issue in the new upgrades.
>
> Jerry
> ki4ps
>
>
> On Aug 28, 2012, at 8:22 AM, wolfmanjack@... wrote:
>
> >
> >
> > Well misery loves company and it's comforting to know I am not alone,
> > hi. My new O2 is about 4 months old and I upgraded to the latest
> > firmware the day it was available. I don't remember having the problem
> > before upgrading but then again I hadn't had the rig long. I do notice
> > the problem more in the last 2 weeks more than before however. The only
> > knob affected on my O2 is the MAIN AF, all others appear to be OK. I'll
> > reinstall the firmware again and see if that helps...
> >
> > 73 John K7FD
> >
> > On Mon, Aug 27, 2012 at 9:06 PM, Peter Akins wrote:
> >
> > I had the same problem on an Orion 1 following a software upgrade.
> > Same for
> > both main and sub. Even fiddling the knob/s eventually seemed to fixed
> > it
> > (until next time it happened, which was quite quickly). Had to reinstall
> > the

> > software to fix it permanently.
> > Have you had the problem for long , or has it occurred since you perhaps
> > recently installed or upgraded your software? Or did the problem just
> > suddenly start all by itself, for no identifiable reason?
> > Peter
> >
> > On 28/08/12 1:42 PM, "k7fd" < wolfmanjack@...
> > <javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>
> > > wrote:
> >
> > >
> > > FYI, it seems my main AF volume control is exhibiting strange behavior
> > > at times...
> > > It gets 'stuck' sometimes and will not respond to turning the knob
> > > back and forth. The bar graph associated with the volume level does
> > > not increase or decrease either. To get control back I've noticed a
> > > slight tug on the knob will make it work again...or turning the rig
> > > off and back on, too.
> > > So I can't tell if it's a mechanical or electrical issue. Anyone else
> > > ever have this happen? 99 percent of the time it works like it
> > > should...and I can't duplicate it.
> > > 73 John K7FD
> >
> > [Non-text portions of this message have been removed]
> >
> > <javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>
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> >
> > [Non-text portions of this message have been removed]
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8566. Re: [orion565] Orion II main af control touchy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-28 21:53:47 UTC
From: Jerry Rogers
Topic: 8549 Message: 8566

Bill: Make sure you check out the SAF system. It's very nice.

Jerry
ki4ps

On Aug 28, 2012, at 5:26 PM, k1fpv <k1fpv@...> wrote:

> Hmmm, that is a bit funny. I hadn't updated the firmware on my Orion II in a long time. I was running 2.044A for a couple years and was starting to get funky responses from a couple of the controls.
>
> I recently updated to the new 3.029 and all the problems went bye-bye! The Orion behaves perfectly now though I've noticed that the range on some of the controls is a little greater. I don't have the new receiver as I rarely use both receivers at the same time.
>
> I like the Orion II.......I'm curious to see how the Orion III is!
>
> Bill/K1FPV
>
> --- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@...> wrote:
> >
> > My Orion II has developed problems in a similar way. My main volume knob has an issue, plus the PBT seems to go off in the wrong directions while turning it in the opposite direction.
> >
> > So it seems there might be an issue in the new upgrades.
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> > Jerry
> > ki4ps
> >
> >
> > On Aug 28, 2012, at 8:22 AM, wolfmanjack@... wrote:
> >
> > >
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> > > Well misery loves company and it's comforting to know I am not alone,
> > > hi. My new O2 is about 4 months old and I upgraded to the latest
> > > firmware the day it was available. I don't remember having the problem
> > > before upgrading but then again I hadn't had the rig long. I do notice
> > > the problem more in the last 2 weeks more than before however. The only
> > > knob affected on my O2 is the MAIN AF, all others appear to be OK. I'll
> > > reinstall the firmware again and see if that helps...
> > >
> > > 73 John K7FD
> > >
> > > On Mon, Aug 27, 2012 at 9:06 PM, Peter Akins wrote:

> > >
> > > I had the same problem on an Orion 1 following a software upgrade.
> > > Same for
> > > both main and sub. Even fiddling the knob/s eventually seemed to fixed
> > > it
> > > (until next time it happened, which was quite quickly). Had to reinstall
> > > the
> > > software to fix it permanently.
> > > Have you had the problem for long , or has it occurred since you perhaps
> > > recently installed or upgraded your software? Or did the problem just
> > > suddenly start all by itself, for no identifiable reason?
> > > Peter
> > >
> > > On 28/08/12 1:42 PM, "k7fd" < wolfmanjack@...
> > > <javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>
> > > > wrote:
> > >
> > > >
> > > > FYI, it seems my main AF volume control is exhibiting strange behavior
> > > > at times...
> > > > It gets 'stuck' sometimes and will not respond to turning the knob
> > > > back and forth. The bar graph associated with the volume level does
> > > > not increase or decrease either. To get control back I've noticed a
> > > > slight tug on the knob will make it work again...or turning the rig
> > > > off and back on, too.
> > > > So I can't tell if it's a mechanical or electrical issue. Anyone else
> > > > ever have this happen? 99 percent of the time it works like it
> > > > should...and I can't duplicate it.
> > > > 73 John K7FD
> > >
> > > [Non-text portions of this message have been removed]
> > >
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8567. Orion I V3.032 failure

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-29 03:16:17 UTC
From: john_ke5c
Topic: 8567 Message: 8567

My Orion I is older (07C10183) but has a late run logic board due to a failure of the original board. I finally jumped from V2.062a to V3.032 doing all the RAM clears and master resets, but every time I lowered the sidetone level to 10-15, the radio locked up and needed a master reset to come back to life. I did this 3 or 4 times.

I loaded V3.030 and tried to duplicate the general setup as much as I could, but it did not do this, and everything seemed to work.

To confirm, I reloaded V3.032, and before I changed anything from the first boot settings, I selected side tone and lowered it. At 10 the radio locked up.

I reloaded V3.030, and before changing any setting, selected side tone and could vary it from 0 to 100 with no problems. The selective audio filtering function is very interesting!

73--john

8568. Re: Orion I V3.032 failure

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-29 15:51:49 UTC
From: ve7tk
Topic: 8567 Message: 8568

Hi John.

Looking at your serial number your rig was likely produced in July 2003. My Orion was made in September 2002 (1st production run) and I do NOT have the side tone issue you describe when running 3.032 firmware. I normally run the side tone in the 10 to 15 range.

I have replaced a faulty sweep board and installed the new Sub-RX but all other boards are of 2002 vintage.

73, Rick
VE7TK

--- In orion565@yahoogroups.com, "john_ke5c" <ke5c@...> wrote:
>
> My Orion I is older (07C10183) but has a late run logic board due to a failure of the original board. I finally jumped from V2.062a to V3.032 doing all the RAM clears and master resets, but every time I lowered the sidetone level to 10-15, the radio locked up and needed a master reset to come back to life. I did this 3 or 4 times.
>
> I loaded V3.030 and tried to duplicate the general setup as much as I could, but it did not do this, and everything seemed to work.
>
> To confirm, I reloaded V3.032, and before I changed anything from the first boot settings, I selected side tone and lowered it. At 10 the radio locked up.
>
> I reloaded V3.030, and before changing any setting, selected side tone and could vary it from 0 to 100 with no problems. The selective audio filtering function is very interesting!
>
> 73--john
>

8569. Orion II T/R relay noise revisited

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-29 17:19:54 UTC
From: floydsense
Topic: 8569 Message: 8569

Finally got around to tearing the Orion II down to investigate the relay noise when operating CW. On my Orion, the T/R relay was loud enough to be heard in the next room, and forced me to use headphones anytime I was operating CW. In a minute I'll post a PDF file to the Files section here showing how I resolved the problem. I'd describe my relay now as barely audible. A good portion of the noise was the result of the relay body being in contact with the board, but I think the physical relay design was also easily transferring the reed ticks to the air.

73, Floyd - K8AC

8570. Re: Orion II T/R relay noise revisited

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-29 17:52:37 UTC
From: floydsense
Topic: 8569 Message: 8570

Sorry, but the document exceeds the file size for the group, so you can find it here: www.k8ac.net . Select the "Quieting Orion II T/R Relay" item in the menu to download a 6 MB PDF file.

73, Floyd

--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
> Finally got around to tearing the Orion II down to investigate the relay noise when operating CW. On my Orion, the T/R relay was loud enough to be heard in the next room, and forced me to use headphones anytime I was operating CW. In a minute I'll post a PDF file to the Files section here showing how I resolved the problem. I'd describe my relay now as barely audible. A good portion of the noise was the result of the relay body being in contact with the board, but I think the physical relay design was also easily transferring the reed ticks to the air.
>
> 73, Floyd - K8AC
>

8571. Re: Orion II T/R relay noise revisited

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-29 19:38:11 UTC
From: pa1ap
Topic: 8569 Message: 8571

Excellent news and thank you for taking time to document so clearly. Happy to hear the clicks can be solved. Best regards, onno

--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
> Sorry, but the document exceeds the file size for the group, so you can find it here: www.k8ac.net . Select the "Quieting Orion II T/R Relay" item in the menu to download a 6 MB PDF file.
>
> 73, Floyd
>
> --- In orion565@yahoogroups.com, "floydsense" <floyd@> wrote:
> >
> > Finally got around to tearing the Orion II down to investigate the relay noise when operating CW. On my Orion, the T/R relay was loud enough to be heard in the next room, and forced me to use headphones anytime I was operating CW. In a minute I'll post a PDF file to the Files section here showing how I resolved the problem. I'd describe my relay now as barely audible. A good portion of the noise was the result of the relay body being in contact with the board, but I think the physical relay design was also easily transferring the reed ticks to the air.
> >
> > 73, Floyd - K8AC
> >
>

8572. Re: Orion I V3.032 failure

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-29 23:01:52 UTC
From: john_ke5c
Topic: 8567 Message: 8572

Thanks Rick! Your message encouraged me to try again. This time I carefully performed: 1) RAM clear, 2) master clear, 3) V3.032 upload, 4) RAM clear, and 5) master clear. Now sidetone level working from 0 to 100 without crashing. 73--john

--- In orion565@yahoogroups.com, "ve7tk" <ve7tk@...> wrote:
>
> Hi John.
>
> Looking at your serial number your rig was likely produced in July 2003. My Orion was made in September 2002 (1st production run) and I do NOT have the side tone issue you describe when running 3.032 firmware. I normally run the side tone in the 10 to 15 range.
>
> I have replaced a faulty sweep board and installed the new Sub-RX but all other boards are of 2002 vintage.
>
> 73, Rick
> VE7TK
>
> --- In orion565@yahoogroups.com, "john_ke5c" <ke5c@> wrote:
> >
> > My Orion I is older (07C10183) but has a late run logic board due to a failure of the original board. I finally jumped from V2.062a to V3.032 doing all the RAM clears and master resets, but every time I lowered the sidetone level to 10-15, the radio locked up and needed a master reset to come back to life. I did this 3 or 4 times.
> >
> > I loaded V3.030 and tried to duplicate the general setup as much as I could, but it did not do this, and everything seemed to work.
> >
> > To confirm, I reloaded V3.032, and before I changed anything from the first boot settings, I selected side tone and lowered it. At 10 the radio locked up.
> >
> > I reloaded V3.030, and before changing any setting, selected side tone and could vary it from 0 to 100 with no problems. The selective audio filtering function is very interesting!
> >
> > 73--john
> >
>

8573. Re: orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-29 23:19:41 UTC
From: Phil Sikes
Topic: 7358 Message: 8573

Onno, is there a method to modify the data once it is stored? I would like to type in all of the memory info and then restore it to the Orion II rather than finger poke all of them into the Orion front panel. Thanks for the program, I haven't needed it yet but I know the day will come!

73 - Phil N7UX

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> https://www.box.com/pa1ap
>
> Above should provide access to the latest software 2053.
>
> best regards, onno
>
> --- In orion565@yahoogroups.com, "Phil Sikes" <psikes@> wrote:
> >
> > Onno, does your software work with Windows 7? If so I am very interested in trying it out.
> >
> > Thanks - Phil N7UX
> >
> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > >
> > > OT: OBR 2951 available
> > >
> > > Greetings,
> > >
> > > Some minor changes to the program which might be of use;
> > >
> > > 1- additional validation of backup sequence 2- v3 error backup settings can now be restored into v2 orion. the restore function will skip the v3 specific objects and hence not send them to v2 orion. 3- included 5 seconds timeout in case communication fails. 4- tested with v2 and v3 latest beta code and all seems to work smooth
> > >
> > > OBR setup 2951 standard.zip https://www.box.net/shared/gqbhq9ytnu6k470vy4pl
> > >
> > > OBR OBR OBR setup 2951 XP special.zip https://www.box.net/shared/ud2rpm53de946z8ueotj
> > >
> > > I had various responses on xp environment. Sometimes it works right away, sometimes one has to ensure windows update is completed prior to installation. I have created a new package using 4.x net and 3.1 installer which should make this a smooth ride too... please send me email hown it went?
> > >

> > > Best regards, onno
> > > --- In orion565@yahoogroups.com, "w3etc" <w3etc@> wrote:
> > > >
> > > > I understand that this software might be avaialable ? If I would sure like to try it for my OrionII
> > > >
> > > > Thanks Ed W3ETC
> > > >
> > > > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > > > >
> > > > > Greetings,
> > > > >
> > > > > I am writing orion back and restore program and looking for couple of operators who would like to test the program. At present it is windows based control and you can store multiple backups within the backup file.
> > > > >
> > > > > Let me know if you are interested and on what windows version you will run the software. Second, please advice orion type 565 /566.
> > > > >
> > > > > Regards, onno
> > > > >
> > > >
> > >
> >
>

8574. Re: Orion I V3.032 failure

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-30 00:37:32 UTC
From: ve7tk
Topic: 8567 Message: 8574

Great news John. Well done.

73, Rick
VE7TK

--- In orion565@yahoogroups.com, "john_ke5c" <ke5c@...> wrote:
>
> Thanks Rick! Your message encouraged me to try again. This time I carefully performed: 1) RAM clear, 2) master clear, 3) V3.032 upload, 4) RAM clear, and 5) master clear. Now sidetone level working from 0 to 100 without crashing. 73--john
>
> --- In orion565@yahoogroups.com, "ve7tk" <ve7tk@> wrote:
> >
> > Hi John.
> >
> > Looking at your serial number your rig was likely produced in July 2003. My Orion was made in September 2002 (1st production run) and I do NOT have the side tone issue you describe when running 3.032 firmware. I normally run the side tone in the 10 to 15 range.
> >
> > I have replaced a faulty sweep board and installed the new Sub-RX but all other boards are of 2002 vintage.
> >
> > 73, Rick
> > VE7TK
> >
> > --- In orion565@yahoogroups.com, "john_ke5c" <ke5c@> wrote:
> > >
> > > My Orion I is older (07C10183) but has a late run logic board due to a failure of the original board. I finally jumped from V2.062a to V3.032 doing all the RAM clears and master resets, but every time I lowered the sidetone level to 10-15, the radio locked up and needed a master reset to come back to life. I did this 3 or 4 times.
> > >
> > > I loaded V3.030 and tried to duplicate the general setup as much as I could, but it did not do this, and everything seemed to work.
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> > > To confirm, I reloaded V3.032, and before I changed anything from the first boot settings, I selected side tone and lowered it. At 10 the radio locked up.
> > >
> > > I reloaded V3.030, and before changing any setting, selected side tone and could vary it from 0 to 100 with no problems. The selective audio filtering function is very interesting!
> > >
> > > 73--john
> > >
> >

>

8575. Re: orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-30 05:32:45 UTC
From: pa1ap
Topic: 7358 Message: 8575

The original aim was backup and restore orion settings. You can open the backup file and change its content using text editor but it would not be straightforward. I have a memory generator I have used during the validation process. Perhaps I can share this to provide quick memory generation?

I would need to do some cleanup of the interface but the framework is there. Would you need a read memory prior to memory edit or would it be sufficient to just create your ideal memory content and write it to orion? Securing this memory would be the local copy of the memory write program as well the use of backup/restore orion settings.

Just would like to have confirmed more people are interested since it will take time and effort to build.

Regards, onno
P.s. lots of effort spend to ensure cross version firmware compatibility as well content integrity validation. But I guess thats needed for all backup and restore programs. Hope you do not need restore though ;-)

--- In orion565@yahoogroups.com, "Phil Sikes" <psikes@...> wrote:
>
> Onno, is there a method to modify the data once it is stored? I would like to type in all of the memory info and then restore it to the Orion II rather than finger poke all of them into the Orion front panel. Thanks for the program, I haven't needed it yet but I know the day will come!
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> 73 - Phil N7UX
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > https://www.box.com/pa1ap
> >
> > Above should provide access to the latest software 2053.
> >
> > best regards, onno
> >
> > --- In orion565@yahoogroups.com, "Phil Sikes" <psikes@> wrote:
> > >
> > > Onno, does your software work with Windows 7? If so I am very interested in trying it out.
> > >
> > > Thanks - Phil N7UX
> > >
> > > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > > >
> > > > OT: OBR 2951 available
> > > >

> > > > Greetings,
> > > >
> > > > Some minor changes to the program which might be of use;
> > > >
> > > > 1- additional validation of backup sequence 2- v3 error backup settings can now be restored into v2 orion. the restore function will skip the v3 specific objects and hence not send them to v2 orion. 3- included 5 seconds timeout in case communication fails. 4- tested with v2 and v3 latest beta code and all seems to work smooth
> > > >
> > > > OBR setup 2951 standard.zip https://www.box.net/shared/gqbhq9ytnu6k470vy4pl
> > > >
> > > > OBR OBR OBR setup 2951 XP special.zip
https://www.box.net/shared/ud2rpm53de946z8ueotj
> > > >
> > > > I had various responses on xp environment. Sometimes it works right away, sometimes one has to ensure windows update is completed prior to installation. I have created a new package using 4.x net and 3.1 installer which should make this a smooth ride too... please send me email hown it went?
> > > >
> > > > Best regards, onno
> > > > --- In orion565@yahoogroups.com, "w3etc" <w3etc@> wrote:
> > > > >
> > > > > I understand that this software might be avaialable ? If I would sure like to try it for my OrionII
> > > > >
> > > > > Thanks Ed W3ETC
> > > > >
> > > > > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > > > > >
> > > > > > Greetings,
> > > > > >
> > > > > > I am writing orion back and restore program and looking for couple of operators who would like to test the program. At present it is windows based control and you can store multiple backups within the backup file.
> > > > > >
> > > > > > Let me know if you are interested and on what windows version you will run the software. Second, please advice orion type 565 /566.
> > > > > >
> > > > > > Regards, onno
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8576. Re: [orion565] Re: orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-30 10:25:19 UTC
From: John Huffman
Topic: 7358 Message: 8576

Onno -

How about a separate stand-alone program for entering ideal memory
content and writing it to Orion?

I don't see a need to complicate Backup and Restore.

73 de K1ESE
John

On 8/30/2012 1:32 AM, pa1ap wrote:
>
> The original aim was backup and restore orion settings. You can open
> the backup file and change its content using text editor but it would
> not be straightforward. I have a memory generator I have used during
> the validation process. Perhaps I can share this to provide quick
> memory generation?
>
> I would need to do some cleanup of the interface but the framework is
> there. Would you need a read memory prior to memory edit or would it
> be sufficient to just create your ideal memory content and write it to
> orion? Securing this memory would be the local copy of the memory
> write program as well the use of backup/restore orion settings.
>
> Just would like to have confirmed more people are interested since it
> will take time and effort to build.
>
> Regards, onno
> P.s. lots of effort spend to ensure cross version firmware
> compatibility as well content integrity validation. But I guess thats
> needed for all backup and restore programs. Hope you do not need
> restore though ;-)
>

[Non-text portions of this message have been removed]

8577. Re: orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-30 13:40:28 UTC
From: Phil Sikes
Topic: 7358 Message: 8577

That is exactly what I am looking for Onno. A nice easy way to populate memories is what I am after. I do appreciate your efforts.

73 - Phil N7UX

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> The original aim was backup and restore orion settings. You can open the backup file and change its content using text editor but it would not be straightforward. I have a memory generator I have used during the validation process. Perhaps I can share this to provide quick memory generation?
>
> I would need to do some cleanup of the interface but the framework is there. Would you need a read memory prior to memory edit or would it be sufficient to just create your ideal memory content and write it to orion? Securing this memory would be the local copy of the memory write program as well the use of backup/restore orion settings.
>
> Just would like to have confirmed more people are interested since it will take time and effort to build.
>
> Regards, onno
> P.s. lots of effort spend to ensure cross version firmware compatibility as well content integrity validation. But I guess thats needed for all backup and restore programs. Hope you do not need restore though ;-)
>
> --- In orion565@yahoogroups.com, "Phil Sikes" <psikes@> wrote:
> >
> > Onno, is there a method to modify the data once it is stored? I would like to type in all of the memory info and then restore it to the Orion II rather than finger poke all of them into the Orion front panel. Thanks for the program, I haven't needed it yet but I know the day will come!
> >
> > 73 - Phil N7UX
> >
> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > >
> > > https://www.box.com/pa1ap
> > >
> > > Above should provide access to the latest software 2053.
> > >
> > > best regards, onno
> > >
> > > --- In orion565@yahoogroups.com, "Phil Sikes" <psikes@> wrote:
> > > >
> > > > Onno, does your software work with Windows 7? If so I am very interested in trying

it out.
> > > >
> > > > Thanks - Phil N7UX
> > > >
> > > > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > > > >
> > > > > OT: OBR 2951 available
> > > > >
> > > > > Greetings,
> > > > >
> > > > > Some minor changes to the program which might be of use;
> > > > >
> > > > > 1- additional validation of backup sequence 2- v3 error backup settings can now be restored into v2 orion. the restore function will skip the v3 specific objects and hence not send them to v2 orion. 3- included 5 seconds timeout in case communication fails. 4- tested with v2 and v3 latest beta code and all seems to work smooth
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> > > > >
> > > > > I had various responses on xp environment. Sometimes it works right away, sometimes one has to ensure windows update is completed prior to installation. I have created a new package using 4.x net and 3.1 installer which should make this a smooth ride too... please send me email hown it went?
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> > > > > Best regards, onno
> > > > > --- In orion565@yahoogroups.com, "w3etc" <w3etc@> wrote:
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> > > > > > I understand that this software might be avaialable ? If I would sure like to try it for my OrionII
> > > > > >
> > > > > > Thanks Ed W3ETC
> > > > > >
> > > > > > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > > > > > >
> > > > > > > Greetings,
> > > > > > >
> > > > > > > I am writing orion back and restore program and looking for couple of operators who would like to test the program. At present it is windows based control and you can store multiple backups within the backup file.
> > > > > > >
> > > > > > > Let me know if you are interested and on what windows version you will run the software. Second, please advice orion type 565 /566.
> > > > > > >
> > > > > > > Regards, onno
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8578. Re: [orion565] Re: orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-30 14:05:39 UTC
From: Peter Frenning [OZ1PIF]
Topic: 7358 Message: 8578

Den 30-08-2012 15:40, Phil Sikes skrev:
> That is exactly what I am looking for Onno. A nice easy way to populate memories is what I am after. I do appreciate your efforts.
>
> 73 - Phil N7UX
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>> The original aim was backup and restore orion settings. You can open the backup file and change its content using text editor but it would not be straightforward. I have a memory generator I have used during the validation process. Perhaps I can share this to provide quick memory generation?
>>
>> I would need to do some cleanup of the interface but the framework is there. Would you need a read memory prior to memory edit or would it be sufficient to just create your ideal memory content and write it to orion? Securing this memory would be the local copy of the memory write program as well the use of backup/restore orion settings.
>>
>> Just would like to have confirmed more people are interested since it will take time and effort to build.
>>
>> Regards, onno
>> P.s. lots of effort spend to ensure cross version firmware compatibility as well content integrity validation. But I guess thats needed for all backup and restore programs. Hope you do not need restore though ;-)
>
Sounds like a great feature Onno - I can help you by testing on the O2
FWs :-)

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Genius is one per cent inspiration, **
** and ninety-nine per cent **
** perspiration. **
** -- Thomas A. Edison **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark

****

8579. Re: orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-30 20:53:18 UTC
From: pa1ap
Topic: 7358 Message: 8579

Going through scenario and trying to figure out comfortable and quick way to create the memory input. We have frequency, mode and location.

Turbo way would be to type frequency, mode and position in the same line. Would that be something to consider as option? Something like 14.250,2,25...

slower way would be combination of frequency entry, radio button mode and counter for location.

Any use taking the memory backup file as input? Program would create a big table with the memory positions and through mouse pointer you could select the fields you would like to change...

brainstorming options.... regards, onno

--- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@...> wrote:
>
> Den 30-08-2012 15:40, Phil Sikes skrev:
> > That is exactly what I am looking for Onno. A nice easy way to populate memories is what I am after. I do appreciate your efforts.
> >
> > 73 - Phil N7UX
> >
> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >> The original aim was backup and restore orion settings. You can open the backup file and change its content using text editor but it would not be straightforward. I have a memory generator I have used during the validation process. Perhaps I can share this to provide quick memory generation?
> >>
> >> I would need to do some cleanup of the interface but the framework is there. Would you need a read memory prior to memory edit or would it be sufficient to just create your ideal memory content and write it to orion? Securing this memory would be the local copy of the memory write program as well the use of backup/restore orion settings.
> >>
> >> Just would like to have confirmed more people are interested since it will take time and effort to build.
> >>
> >> Regards, onno
> >> P.s. lots of effort spend to ensure cross version firmware compatibility as well content integrity validation. But I guess thats needed for all backup and restore programs. Hope you do not need restore though ;-)
> >
> > Sounds like a great feature Onno - I can help you by testing on the O2
> > FWs :-)
>
> --

> Vy 73 de OZ1PIF/5Q2M, Peter
>
> **
> ** Genius is one per cent inspiration, **
> ** and ninety-nine per cent **
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> ** -- Thomas A. Edison **
> **
> email: peter(no-spam filler)@...
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **
>

8580. Re: [orion565] Re: orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-30 21:18:26 UTC
From: Peter Frenning [OZ1PIF]
Topic: 7358 Message: 8580

Den 30-08-2012 22:53, pa1ap skrev:
> Going through scenario and trying to figure out comfortable and quick way to create the memory input. We have frequency, mode and location.
>
> Turbo way would be to type frequency, mode and position in the same line. Would that be something to consider as option? Something like 14.250,2,25...
>
> slower way would be combination of frequency entry, radio button mode and counter for location.
>
> Any use taking the memory backup file as input? Program would create a big table with the memory positions and through mouse pointer you could select the fields you would like to change...
>
> brainstorming options.... regards, onno
I like the last one..
Find the spot, make the change, reload and wham ready to go..

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Genius is one per cent inspiration, **
** and ninety-nine per cent **
** perspiration. **
** -- Thomas A. Edison **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

8581. Re: [orion565] Orion I V3.032 failure

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-30 23:33:22 UTC
From: Wayne Staples
Topic: 8567 Message: 8581

On 29/08/12 13:16, john_ke5c wrote:
> My Orion I is older (07C10183) but has a late run logic board due to a failure of the original board. I finally jumped from V2.062a to V3.032 doing all the RAM clears and master resets, but every time I lowered the sidetone level to 10-15, the radio locked up and needed a master reset to come back to life. I did this 3 or 4 times.
>
> I loaded V3.030 and tried to duplicate the general setup as much as I could, but it did not do this, and everything seemed to work.
>
> To confirm, I reloaded V3.032, and before I changed anything from the first boot settings, I selected side tone and lowered it. At 10 the radio locked up.
>
> I reloaded V3.030, and before changing any setting, selected side tone and could vary it from 0 to 100 with no problems. The selective audio filtering function is very interesting!
>
> 73--john
>
>
>
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> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>
>

Hi John
I have Orion 1 vers 2 I also went from "2" firmware to "3" firmware But
I loaded 3025 before loading 3030 and then loaded 3032 and have not had
a problem to my logic I think the new firmware when loaded needs certain
aspects of the previous firmware for the new firmware to work correctly
and even then sometime you get a load that does write correctly to to
the flash ram, that happens don't worry just load it again.

Regards Wayne VK4EU

8583. Headphone audio

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-31 00:23:44 UTC
From: John Hudson
Topic: 8583 Message: 8583

A few weeks back someone emailed me a fix for the low headphone audio

If you can could you send it again. The low audio in the headphones is terrible, even with SAF the audio is half of what the speaker is

I have not changed software but I may have too, to much straining to hear

BTW using ver 3.032 and Heil ProSet plus headphones, WITH THE VOLUME ALL THE UP!!!!

John

KO4XJ

[Non-text portions of this message have been removed]

8584. Re: orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-31 04:59:02 UTC
From: pa1ap
Topic: 7358 Message: 8584

Going through scenario and trying to figure out comfortable and quick way to create the memory input. We have frequency, mode and location.

Turbo way would be to type frequency, mode and position in the same line. Would that be something to consider as option? Something like 14.250,2,25...

slower way would be combination of frequency entry, radio button mode and counter for location.

Any use taking the memory backup file as input? Program would create a big table with the memory positions and through mouse pointer you could select the fields you would like to change...

brainstorming options.... regards, onno

--- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@...> wrote:
>
> Den 30-08-2012 15:40, Phil Sikes skrev:
> > That is exactly what I am looking for Onno. A nice easy way to populate memories is what I am after. I do appreciate your efforts.
> >
> > 73 - Phil N7UX
> >
> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >> The original aim was backup and restore orion settings. You can open the backup file and change its content using text editor but it would not be straightforward. I have a memory generator I have used during the validation process. Perhaps I can share this to provide quick memory generation?
> >>
> >> I would need to do some cleanup of the interface but the framework is there. Would you need a read memory prior to memory edit or would it be sufficient to just create your ideal memory content and write it to orion? Securing this memory would be the local copy of the memory write program as well the use of backup/restore orion settings.
> >>
> >> Just would like to have confirmed more people are interested since it will take time and effort to build.
> >>
> >> Regards, onno
> >> P.s. lots of effort spend to ensure cross version firmware compatibility as well content integrity validation. But I guess thats needed for all backup and restore programs. Hope you do not need restore though ;-)
> >
> > Sounds like a great feature Onno - I can help you by testing on the O2
> > FWs :-)
>
> --

> Vy 73 de OZ1PIF/5Q2M, Peter
>
> **
> ** Genius is one per cent inspiration, **
> ** and ninety-nine per cent **
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> Snailmail:
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> DK-4130 Viby Sj.
> Denmark
> **
>

8585. Re: orion back and restore function

Yahoo group: orion565 (2009 — 2013)
Date: 2012-08-31 15:47:08 UTC
From: Phil Sikes
Topic: 7358 Message: 8585

For me, the last option would be the best. I will be grateful for whatever comes along though.

73 - Phil

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Going through scenario and trying to figure out comfortable and quick way to create the memory input. We have frequency, mode and location.
>
> Turbo way would be to type frequency, mode and position in the same line. Would that be something to consider as option? Something like 14.250,2,25...
>
> slower way would be combination of frequency entry, radio button mode and counter for location.
>
> Any use taking the memory backup file as input? Program would create a big table with the memory positions and through mouse pointer you could select the fields you would like to change...
>
> brainstorming options.... regards, onno
>
> --- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@> wrote:
> >
> > Den 30-08-2012 15:40, Phil Sikes skrev:
> > > That is exactly what I am looking for Onno. A nice easy way to populate memories is what I am after. I do appreciate your efforts.
> > >
> > > 73 - Phil N7UX
> > >
> > > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
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> > >> I would need to do some cleanup of the interface but the framework is there. Would you need a read memory prior to memory edit or would it be sufficient to just create your ideal memory content and write it to orion? Securing this memory would be the local copy of the memory write program as well the use of backup/restore orion settings.
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> > >> Just would like to have confirmed more people are interested since it will take time and effort to build.
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> > >> Regards, onno

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> > Sounds like a great feature Onno - I can help you by testing on the O2
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> > Vy 73 de OZ1PIF/5Q2M, Peter
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> > **
> >
>

8586. Mystery Icon

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-01 22:39:06 UTC
From: k0rs
Topic: 8586 Message: 8586

Hello. I just picked up a 2007 vintage O2 that has been sitting unused in the box. I upgraded to the latest firmware and that went smoothly. Getting along with the rig well so far and enjoying all the capability. One puzzling thing that, if covered in the manual, has eluded me so far. What does the icon located between the larger numerals in the frequency readout and the "TR" indication in the upper right part of the screen refer to? It is a blue "A," "B, or "C" in a blue box (default color setting). It often changes as I change bands. In photos of the radio that I see on the web it is often absent altogether. Thanks in advance.

Larry, K0RS

8587. Re: [orion565] Mystery Icon

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-01 22:44:09 UTC
From: Barry N1EU
Topic: 8586 Message: 8587

Reckon it's the 4 (A, B, C, D) stacked band registers

73,
Barry N1EU

On Sat, Sep 1, 2012 at 10:39 PM, k0rs <k0rs@...> wrote:

> **
>
>
> Hello. I just picked up a 2007 vintage O2 that has been sitting unused in
> the box. I upgraded to the latest firmware and that went smoothly. Getting
> along with the rig well so far and enjoying all the capability. One
> puzzling thing that, if covered in the manual, has eluded me so far. What
> does the icon located between the larger numerals in the frequency readout
> and the "TR" indication in the upper right part of the screen refer to? It
> is a blue "A," "B, or "C" in a blue box (default color setting). It often
> changes as I change bands. In photos of the radio that I see on the web it
> is often absent altogether. Thanks in advance.
>
> Larry, K0RS
>
>
>

[Non-text portions of this message have been removed]

8588. Re: Mystery Icon

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-01 22:48:38 UTC
From: k0rs
Topic: 8586 Message: 8588

Yup, that's it. Just confirmed on the rig. Thanks Barry

LC

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Reckon it's the 4 (A, B, C, D) stacked band registers
>
> 73,
> Barry N1EU
>
> On Sat, Sep 1, 2012 at 10:39 PM, k0rs <k0rs@...> wrote:
>
> > **
> > >
> > >
> > > Hello. I just picked up a 2007 vintage O2 that has been sitting unused in
> > > the box. I upgraded to the latest firmware and that went smoothly. Getting
> > > along with the rig well so far and enjoying all the capability. One
> > > puzzling thing that, if covered in the manual, has eluded me so far. What
> > > does the icon located between the larger numerals in the frequency readout
> > > and the "TR" indication in the upper right part of the screen refer to? It
> > > is a blue "A," "B, or "C" in a blue box (default color setting). It often
> > > changes as I change bands. In photos of the radio that I see on the web it
> > > is often absent altogether. Thanks in advance.
> > >
> > > Larry, K0RS
> > >
> > >
> > >
> >
> >
> > [Non-text portions of this message have been removed]
>

8589. Re: Orion 1 and 3.032 firware update question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-02 00:24:28 UTC
From: w5xj2011
Topic: 8563 Message: 8589

Ten-Tec told me that later versions of the software and the O-1 do not allow sweep size changes as it is fixed now. I know this contradicts the manual but that is how it is. I have an O-1 myself and i love it. Using 2.064x firmware now but soon plan to upgrade to latest version. I also have the TT Hercules II solid state amp and it is great. Makes the Orion a 550 watt transceiver.

I had to change out the snap hat battery on mine as it was failing and the memory would not hold. It is an easy fix if you ever need it.

The display on mine would also get weird sometime and i found out that all i had to do was exercise the pot on the bottom of the radio that regulates the display brightness. It sat on a shelf for a long time with the previous owner so i guess it got corroded.

The Orion is a magnificent hf radio. Have fun and good DX to you.

73 de W5XJ in Dallas

--- In orion565@yahoogroups.com, "w5kg" <w5kg@...> wrote:
>
> After I updated to ver. 3.032 I found that the sweep function in the menu and the button on the front does not change the range any longer. I can only turn it on or off. Not a big deal but just wandering if that is the way it is suppose to be now.
> Also every thing else seems to be working OK.
> The more I use the Orion the better I like it.
> Thanks for reading.
> Don, W5KG
>

8590. Re: Orion I and Signal link USB in Dallas, Texas

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-02 00:30:59 UTC
From: w5xj2011
Topic: 8531 Message: 8590

Thanks

--- In orion565@yahoogroups.com, K5see <k5seeham@...> wrote:
>
>
> Symptom was: audio from signal link would not drive the transmitter. fix: replaced bad capacitor on the logic board #23524.
>
>
> -----Original Message-----
> From: Jerry, N9AW <n9aw@...>
> To: orion565 <orion565@yahoogroups.com>
> Sent: Sat, Aug 25, 2012 10:04 pm
> Subject: Re: [orion565] Orion I and Signal link USB in Dallas, Texas
>
>
>
>
>
> Do you know what they had to do to it because I've had that same problem with my Orion II since I bought it?
>
> 73
> Jerry N9AW
> n9aw@...
>
> ----- Original Message -----
> From: K5see
> To: orion565@yahoogroups.com
> Sent: Saturday, August 25, 2012 9:43 PM
> Subject: Re: [orion565] Orion I and Signal link USB in Dallas, Texas
>
> I had the same issue and had to send it toTentec to fix.
> 73, John
>
> -----Original Message-----
> From: w5xj2011 <cole505@...>
> To: orion565 <orion565@yahoogroups.com>
> Sent: Sat, Aug 25, 2012 8:19 pm
> Subject: [orion565] Orion I and Signal link USB in Dallas, Texas
>
> Does anyone in the Dallas area currently run digital modes with the SL USB device and an O-1? Mine will "hear" the waterfall but the TX output is nil. I've read and know all about setting up the SL USB, soundcard, etc.
>

> I've heard there may be an issue with the Orion digital jack in the back of the radio. If possible I'd like to bring my rig and SL USB device and try it to see if it works. If so please email me at my call at arrl dot net.
>
> Thanks & 73 de W5XJ in Dallas, Texas
> Cell 214-908-6355
>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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8591. Re: [orion565] Re: Orion 1 and 3.032 firware update question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-02 00:32:14 UTC
From: amfone
Topic: 8563 Message: 8591

I have an early Orion 2003 (vintage) and am still using a beta version program 1.374 or something like that. I have not used the radio much but like it. Can I upgrade just by downloading the new software and will it work on my older Orion WITHOUT ISSUES?

73 Tim
WB8UHZ

_____
From: w5xj2011 <cole505@...>
To: orion565@yahoogroups.com
Sent: Saturday, September 1, 2012 8:24 PM
Subject: [orion565] Re: Orion 1 and 3.032 firware update question

Ten-Tec told me that later versions of the software and the O-1 do not allow sweep size changes as it is fixed now. I know this contradicts the manual but that is how it is. I have an O-1 myself and i love it. Using 2.064x firmware now but soon plan to upgrade to latest version. I also have the TT Hercules II solid state amp and it is great. Makes the Orion a 550 watt transceiver.

I had to change out the snap hat battery on mine as it was failing and the memory would not hold. It is an easy fix if you ever need it.

The display on mine would also get weird sometime and i found out that all i had to do was exercise the pot on the bottom of the radio that regulates the display brightness. It sat on a shelf for a long time with the previous owner so i guess it got corroded.

The Orion is a magnificent hf radio. Have fun and good DX to you.

73 de W5XJ in Dallas

--- In orion565@yahoogroups.com, "w5kg" <w5kg@...> wrote:
>
> After I updated to ver. 3.032 I found that the sweep function in the menu and the button on the front does not change the range any longer. I can only turn it on or off. Not a big deal but just wandering if that is the way it is suppose to be now.
> Also every thing else seems to be working OK.
> The more I use the Orion the better I like it.
> Thanks for reading.
> Don, W5KG
>

[Non-text portions of this message have been removed]

8592. Re: [orion565] Mystery Icon

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-02 00:54:47 UTC
From: Wayne Staples
Topic: 8586 Message: 8592

On 02/09/12 08:39, k0rs wrote:
> Hello. I just picked up a 2007 vintage O2 that has been sitting unused in the box. I upgraded to the latest firmware and that went smoothly. Getting along with the rig well so far and enjoying all the capability. One puzzling thing that, if covered in the manual, has eluded me so far. What does the icon located between the larger numerals in the frequency readout and the "TR" indication in the upper right part of the screen refer to? It is a blue "A," "B, or "C" in a blue box (default color setting). It often changes as I change bands. In photos of the radio that I see on the web it is often absent altogether. Thanks in advance.
>
> Larry, K0RS
>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>
>
Read your manual

8593. RE: [orion565] Mystery Icon

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-02 03:34:28 UTC
From: Wes Attaway (N5WA)
Topic: 8586 Message: 8593

On my Orion (not an O2) there is an A, B, C, or D that shows what band register you are using. The registers allow you to have four different band settings and they are indicated by the letters. The letters change as you repeatedly push the same band button. What you are describing for the O2 sounds like a band register indicator.

----------------- Wes Attaway (N5WA) -------------------
1138 Waters Edge Circle, Shreveport, LA 71106
318-797-4972 (Office) - 318-393-3289 (Cell)
Computer Consulting and Forensics
-------------- EnCase Certified Examiner ---------------

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Wayne Staples
Sent: Saturday, September 01, 2012 7:55 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Mystery Icon

On 02/09/12 08:39, k0rs wrote:
> Hello. I just picked up a 2007 vintage O2 that has been sitting unused in the box. I upgraded to the latest firmware and that went smoothly. Getting along with the rig well so far and enjoying all the capability. One puzzling thing that, if covered in the manual, has eluded me so far. What does the icon located between the larger numerals in the frequency readout and the "TR" indication in the upper right part of the screen refer to? It is a blue "A," "B, or "C" in a blue box (default color setting). It often changes as I change bands. In photos of the radio that I see on the web it is often absent altogether. Thanks in advance.
>
> Larry, K0RS
>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>
>
Read your manual

[Non-text portions of this message have been removed]

8594. Re: [orion565] Re: Orion 1 and 3.032 firware update question

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-02 09:53:28 UTC
From: Barry N1EU
Topic: 8563 Message: 8594

Yes, but the sweep won't work at all unless you install the v2 sweep
hardware mod

73,
Barry N1EU

On Sun, Sep 2, 2012 at 12:32 AM, amfone <amfone20000@...> wrote:

> **
>
>
> I have an early Orion 2003 (vintage) and am still using a beta version
> program 1.374 or something like that. I have not used the radio much but
> like it. Can I upgrade just by downloading the new software and will it
> work on my older Orion WITHOUT ISSUES?
>
> 73 Tim
> WB8UHZ
>
> _____
> From: w5xj2011 <cole505@...>
> To: orion565@yahoogroups.com
> Sent: Saturday, September 1, 2012 8:24 PM
> Subject: [orion565] Re: Orion 1 and 3.032 firware update question
>
>
>
>
>
> Ten-Tec told me that later versions of the software and the O-1 do not
> allow sweep size changes as it is fixed now. I know this contradicts the
> manual but that is how it is. I have an O-1 myself and i love it. Using
> 2.064x firmware now but soon plan to upgrade to latest version. I also have
> the TT Hercules II solid state amp and it is great. Makes the Orion a 550
> watt transceiver.
>
> I had to change out the snap hat battery on mine as it was failing and the
> memory would not hold. It is an easy fix if you ever need it.
>
> The display on mine would also get weird sometime and i found out that all
> i had to do was exercise the pot on the bottom of the radio that regulates
> the display brightness. It sat on a shelf for a long time with the previous
> owner so i guess it got corroded.
>
> The Orion is a magnificent hf radio. Have fun and good DX to you.
>
> 73 de W5XJ in Dallas

>
> --- In orion565@yahoogroups.com, "w5kg" <w5kg@...> wrote:
> >
> > After I updated to ver. 3.032 I found that the sweep function in the
> menu and the button on the front does not change the range any longer. I
> can only turn it on or off. Not a big deal but just wandering if that is
> the way it is suppose to be now.
> > Also every thing else seems to be working OK.
> > The more I use the Orion the better I like it.
> > Thanks for reading.
> > Don, W5KG
> >
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

8599. Re: [orion565] Re: Mystery Icon

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-03 18:48:28 UTC
From: orion565-owner@yahoogroups.com
Topic: 8586 Message: 8599

K0RS is no longer a member of this reflector.

This thread will now end.

73,

Mike Schatzberg
W2AJI
Owner Orion 565/566 reflector

Sent from my iPhone

On Sep 3, 2012, at 1:33 PM, Wayne Staples <vk4eu@....au> wrote:

On 03/09/12 13:56, k0rs wrote:

--- In orion565@...m, Wayne Staples <vk4eu@...> wrote:

Read your manual

8602. RE: [orion565] Re: Band StackingRegistoer Icons (was Mystery Icons)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-03 22:19:42 UTC
From: Wes Attaway (N5WA)
Topic: 8602 Message: 8602

There have been a number of revisions to the 565 and 566 manuals over the years. It would not be surprising that one manual might have the ABCD info in it while an earlier version would not. You can see the revision history on the TenTec downloads site. It is sort of like looking at something downloaded from an old web page and not realizing that there is an updated version.

Let's face it. We are dealing with radios that have many iterations of adjustments, manuals, and glitches. It is time for everyone to get a grip on the ABCs (and even Ds) of this stuff.

---------- Wes Attaway (N5WA) ----------
1138 Waters Edge Circle, Shreveport, LA 71106
318-797-4972 (Office) - 318-393-3289 (Cell)
Computer Consulting and Forensics
---------- EnCase Certified Examiner ----------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Monday, September 03, 2012 2:42 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Mystery Icon

On Mon, Sep 3, 2012 at 5:23 PM, Wayne Staples <vk4eu@...
<mailto:vk4eu%40optusnet.com.au> > wrote:

> **
>
> >
> I'm sorry you took offence to my remark Page 23 (57) Frequency Entry
> and band change section, has the relevant info for the 565 Orion
>

The referenced section of my Orion manual describes the band registers but makes no mention of the A/B/C/D indicators.

73,
Barry N1EU

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8603. ot: apparent lack of structure within yahoo forum platform

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-04 07:10:13 UTC
From: pa1ap
Topic: 8603 Message: 8603

By no means criticising the forum members and their contributions provided. The content is great.

But should we look around for a better forum platform providing better support for todays discussions? It would be very benificial if answers provided can be made sticky or marked by voting buttons. Perhaps combined with the possibility to mark discussions with categories such as manual, control, transmit, receive etc.

The recent abcd discussion raised this challenge again. Most members know this has been answered several times already. Perhaps if forum members could perform an easier search this could have been avoided.

I realize this is off topic and I created a poll to collect your opinion. The poll might result in another discussion.

Best regards, onno de pa1ap

8604. New poll for orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-04 07:24:12 UTC
From: orion565@yahoogroups.com
Topic: 7 Message: 8604

Enter your vote today! A new poll has been created for the
orion565 group:

If you could include more functionality to the yahoo forum platform what would you like to see included?

P.s. this poll is about the yahoo forum functionality and not about the forum members.

o yahoo forum structure is just fine as it is
o being able to vote popular discussion would be great
o being able to assign discussions to a category would be great
o being able to link files, fotos to an discussion would be great
o being able to select a particular view on category, popularity. etc would be great

To vote, please visit the following web page:
http://groups.yahoo.com/group/orion565/surveys?id=13151424

Note: Please do not reply to this message. Poll votes are
not collected via email. To vote, you must go to the Yahoo! Groups
web site listed above.

Thanks!

8605. Re: ot: apparent lack of structure within yahoo forum platform

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-04 11:48:52 UTC
From: floydsense
Topic: 8603 Message: 8605

Hi Onno. A few comments based on my experiences running other Yahoo groups and forums:

1. It's possible to enable the attachment of files/photos to posted messages here on the Yahoo group. The attachments then appear under "Attachments", a new heading under Messages on the left-hand menu.
Those attachments remain until deleted.

2. Common questions can be summarized and placed in a Frequently Asked Questions (FAQ) section which could be a file in the Files section here. That would allow the moderator to simplify and reduce the amount of text so a reader wouldn't have to plow through dozens of replies to find a complete answer.

3. It seems that quite a few folks in all Yahoo groups never visit the website, but rather receive the group activity as message digests or individual emails. Those people will always re-ask a question.

4. With sites that support categories of subjects, I regularly see mis-categorized posts or posting the same question to multiple categories. Unless that's managed closely, it quickly becomes a mess.

5. Better choice of subject wording and/or changing the subject goes a long way to make previous discussions and solutions easier to find. Some of the best information becomes lost in a discussion that wonders far off the original subject.

73, Floyd - K8AC

8606. Re: [orion565] Re: ot: apparent lack of structure within yahoo forum platform

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-04 14:06:29 UTC
From: N9ETD@AOL.COM
Topic: 8603 Message: 8606

Anything that would make it easier to find already answered questions is welcomed I think...

That being said, some people seem to be to thin skinned, or easily insulted to be online in a discussion group. I've learned alot by watching what was asked and answered here... The stuff that may seem offensive I just dismiss. I'm not insulted by it. Mom taught me that if we were all alike life would be pretty boring..

Have a great day.

73, Craig N9ETD

[Non-text portions of this message have been removed]

8609. Re: Orion I V3.032 failure (V2.062a--->V3.0xx)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-05 04:18:26 UTC
From: john_ke5c
Topic: 8567 Message: 8609

Well, I'd sure like to know if I am the only owner of a 565 that won't run V3.0xx for beans but seems very happy on V.062a. Since my original post, I spoke with TT service and purchased a memory backup battery. The new battery is at 3.6v but the old one was only down to 2.8v. Anyway, I replaced it. The same gremlin shows up as I described below except to clarify the VFO knob, receive and transmit usually, but not always, work. It sure seems like a bad RAM or memory overflow type of problem. I verified the firmware after most of the controls locked up, and a master clear will reset it, so the micro is not in hard never-never land. I'll call TT again tomorrow I guess. Any ideas would be greatly appreciated.

73--john

--- In orion565@yahoogroups.com, "john_ke5c" <ke5c@...> wrote:
>
> My Orion I is older (07C10183) but has a late run logic board due to a failure of the original board. I finally jumped from V2.062a to V3.032 doing all the RAM clears and master resets, but every time I lowered the sidetone level to 10-15, the radio locked up and needed a master reset to come back to life. I did this 3 or 4 times.
>
> I loaded V3.030 and tried to duplicate the general setup as much as I could, but it did not do this, and everything seemed to work.
>
> To confirm, I reloaded V3.032, and before I changed anything from the first boot settings, I selected side tone and lowered it. At 10 the radio locked up.
>
> I reloaded V3.030, and before changing any setting, selected side tone and could vary it from 0 to 100 with no problems. The selective audio filtering function is very interesting!
>
> 73--john
>

8610. Re: [orion565] Re: Orion I V3.032 failure (V2.062a--->V3.0xx)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-05 10:05:17 UTC
From: Barry N1EU
Topic: 8567 Message: 8610

On Wed, Sep 5, 2012 at 4:18 AM, john_ke5c <ke5c@...> wrote:

> **
>
>
> Well, I'd sure like to know if I am the only owner of a 565 that won't run
> V3.0xx for beans
>

I thought you said it ran v3.030 fine. No?

73,
Barry N1EU

[Non-text portions of this message have been removed]

8611. S meter bulb

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-05 12:56:38 UTC
From: thomasmschaefer
Topic: 8611 Message: 8611

Hi all,

I just joined the group. I am evaluating for my own purchase an Orion II that my club is selling for an estate.

I noticed the s meter bulb flickers in response to the strength of the received signal or it just goes out. If i tap on the s meter, the light will come back on I assume the bulb is bad. I have read through most of the info on the rig but I did not see a service manual. Is there such a thing? I wanted to see how to replace the bulb.

Also, the rig has no extra filters or the antenna tuner. It does have the power supply and the desk mic (707 I think). Does $3100 seem a fair price for that?

Thanks

Tom NY4I

8612. Re: Orion I V3.032 failure (V2.062a--->V3.0xx)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-05 13:26:27 UTC
From: john_ke5c
Topic: 8567 Message: 8612

It did until just after I posted, maybe 5 minutes.

73--john

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> On Wed, Sep 5, 2012 at 4:18 AM, john_ke5c <ke5c@...> wrote:
>
> > **
> >
> >
> > Well, I'd sure like to know if I am the only owner of a 565 that won't run
> > V3.0xx for beans
> >
>
> I thought you said it ran v3.030 fine. No?
>
> 73,
> Barry N1EU
>
>
> [Non-text portions of this message have been removed]
>

8613. Re: [orion565] Re: Orion I V3.032 failure (V2.062a--->V3.0xx)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-05 14:58:09 UTC
From: Wayne Staples
Topic: 8567 Message: 8613

On 05/09/12 14:18, john_ke5c wrote:
> Well, I'd sure like to know if I am the only owner of a 565 that won't run V3.0xx for beans but seems very happy on V.062a. Since my original post, I spoke with TT service and purchased a memory backup battery. The new battery is at 3.6v but the old one was only down to 2.8v. Anyway, I replaced it. The same gremlin shows up as I described below except to clarify the VFO knob, receive and transmit usually, but not always, work. It sure seems like a bad RAM or memory overflow type of problem. I verified the firmware after most of the controls locked up, and a master clear will reset it, so the micro is not in hard never-never land. I'll call TT again tomorrow I guess. Any ideas would be greatly appreciated.
>
> 73--john
>
> --- In orion565@yahoogroups.com, "john_ke5c" <ke5c@...> wrote:
>> My Orion I is older (07C10183) but has a late run logic board due to a failure of the original board. I finally jumped from V2.062a to V3.032 doing all the RAM clears and master resets, but every time I lowered the sidetone level to 10-15, the radio locked up and needed a master reset to come back to life. I did this 3 or 4 times.
>>
>> I loaded V3.030 and tried to duplicate the general setup as much as I could, but it did not do this, and everything seemed to work.
>>
>> To confirm, I reloaded V3.032, and before I changed anything from the first boot settings, I selected side tone and lowered it. At 10 the radio locked up.
>>
>> I reloaded V3.030, and before changing any setting, selected side tone and could vary it from 0 to 100 with no problems. The selective audio filtering function is very interesting!
>>
>> 73--john
>>
>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>
>
Hi John
Has your 565 had Version 2 hardware mod if it has not that could be
your problem. If your 565 has had the version 2 hardware mod then try
reloading the last v2 firmware that worked well. You can find out if the

V2 hardware mod has been completed by pushing and holding Menu button it will be displayed on screen.

Now reload V 3.025 do not do ram clear or master reset after, then reload V 3.030 again do not ram clear or master reset then load V3.032 again do not ram clear or master reset. After all that just turn off and turn on again. I worked on the idea that you might load all the updates in order without any gaps. That is the method I use and 565 Ver 2 works great and is fully functional. Also some USB to serial adapters give some connection problems.

I hope it works
Cheers Wayne VK4EU

[Non-text portions of this message have been removed]

8614. RE: [orion565] Re: Orion I V3.032 failure (V2.062a--->V3.0xx)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-05 18:04:46 UTC
From: Wes Attaway (N5WA)
Topic: 8567 Message: 8614

Have you done the standard procedure of unplugging and reseating all the plug-in cables --- behind front panel and on top and bottom of chassis? You might get lucky.

---------- Wes Attaway (N5WA) ----------
1138 Waters Edge Circle, Shreveport, LA 71106
318-797-4972 (Office) - 318-393-3289 (Cell)
Computer Consulting and Forensics
---------- EnCase Certified Examiner ----------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Wayne Staples
Sent: Wednesday, September 05, 2012 9:58 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Orion I V3.032 failure (V2.062a--->V3.0xx)

On 05/09/12 14:18, john_ke5c wrote:
> Well, I'd sure like to know if I am the only owner of a 565 that won't run V3.0xx for beans but seems very happy on V.062a. Since my original post, I spoke with TT service and purchased a memory backup battery. The new battery is at 3.6v but the old one was only down to 2.8v. Anyway, I replaced it. The same gremlin shows up as I described below except to clarify the VFO knob, receive and transmit usually, but not always, work. It sure seems like a bad RAM or memory overflow type of problem. I verified the firmware after most of the controls locked up, and a master clear will reset it, so the micro is not in hard never-never land. I'll call TT again tomorrow I guess. Any ideas would be greatly appreciated.
>
> 73--john
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "john_ke5c" <ke5c@...> wrote:
>> My Orion I is older (07C10183) but has a late run logic board due to a failure of the original board. I finally jumped from V2.062a to V3.032 doing all the RAM clears and master resets, but every time I lowered the sidetone level to 10-15, the radio locked up and needed a master reset to come back to life. I did this 3 or 4 times.
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>> I loaded V3.030 and tried to duplicate the general setup as much as I could, but it did not do this, and everything seemed to work.
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>> To confirm, I reloaded V3.032, and before I changed anything from the first boot settings, I selected side tone and lowered it. At 10 the radio locked up.

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>> I reloaded V3.030, and before changing any setting, selected side tone and could vary it from 0 to 100 with no problems. The selective audio filtering function is very interesting!
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>> 73--john
>>
>
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> Yahoo! Groups Links
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Hi John
Has your 565 had Version 2 hardware mod if it has not that could be your problem. If your 565 has had the version 2 hardware mod then try reloading the last v2 firmware that worked well. You can find out if the V2 hardware mod has been completed by pushing and holding Menu button it will be displayed on screen.

Now reload V 3.025 do not do ram clear or master reset after, then reload V 3.030 again do not ram clear or master reset then load V3.032 again do not ram clear or master reset. After all that just turn off and turn on again. I worked on the idea that you might load all the updates in order without any gaps. That is the method I use and 565 Ver 2 works great and is fully functional. Also some USB to serial adapters give some connection problems.

I hope it works
Cheers Wayne VK4EU

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8615. Re: [orion565] S meter bulb

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-05 18:39:09 UTC
From: Jerry Rogers
Topic: 8611 Message: 8615

Tom: How old is the rig? You can look at the S/N and post here for info.

I purchased an Orion II with less than 100 hours, and 18 months old for $2750. It came with the three extra filters (1.8, 600, 300), the fan, and the 302R remote encoder.

I've had it now for six months, so my two year old Omni VII is going up for sale.

Good luck on the Orion II.

Jerry
ki4ps

On Sep 5, 2012, at 8:56 AM, thomasmschaefer <ny4i@...> wrote:

> Hi all,
>
> I just joined the group. I am evaluating for my own purchase an Orion II that my club is selling for an estate.
>
> I noticed the s meter bulb flickers in response to the strength of the received signal or it just goes out. If i tap on the s meter, the light will come back on I assume the bulb is bad. I have read through most of the info on the rig but I did not see a service manual. Is there such a thing? I wanted to see how to replace the bulb.
>
> Also, the rig has no extra filters or the antenna tuner. It does have the power supply and the desk mic (707 I think). Does $3100 seem a fair price for that?
>
> Thanks
>
> Tom NY4I
>
>
>
>
>
>
>

[Non-text portions of this message have been removed]

8616. Re: Orion I V3.032 failure (V2.062a--->V3.0xx)

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-05 18:47:48 UTC
From: john_ke5c
Topic: 8567 Message: 8616

Thanks for all the responses! TT engineering says it sounds like a bad DRAM chip. V3 is using an address range not required for V2 if I understand which is why V2 works reliably but not V3. They are kindly letting me send the front panel only for a chip replacement. No hard feelings, of course, if that does not work since they would have preferred the whole BIG radio. I'll repost in a few weeks.

73--john

8617. For Sale: Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-05 19:13:29 UTC
From: joe_word
Topic: 4407 Message: 8617

For sale Ten-Tec Orion II in very good condition, no scratches or flaws, has not been around tobacco smoke. Has all optional filter slots filled (1.8, 600 & 300 filters). Does not have optional antenna tuner. Comes with original manual, power cord and box. Will be shipped from Ten-Tec after being checked-out and minor repair of the TX audio circuit (mic gain is down). $3000 OBO plus $50 help on shipping/insurance, in CONUS only. Payment by money order or bank cashiers check no Paypal. Please contact me off-list.
joe.n9vx at gmail dot com

Joe N9VX

8618. Re: [orion565] S meter bulb

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-05 20:09:33 UTC
From: Jerry Rogers
Topic: 8611 Message: 8618

I need to add a PS: It also had the auto tuner installed.

Jerry
ki4ps

On Sep 5, 2012, at 2:39 PM, Jerry Rogers <ki4ps@...> wrote:

> Tom: How old is the rig? You can look at the S/N and post here for info.
>
> I purchased an Orion II with less than 100 hours, and 18 months old for $2750. It came with the three extra filters (1.8, 600, 300), the fan, and the 302R remote encoder.
>
> I've had it now for six months, so my two year old Omni VII is going up for sale.
>
> Good luck on the Orion II.
>
> Jerry
> ki4ps
>
>
> On Sep 5, 2012, at 8:56 AM, thomasmschaefer <ny4i@...t> wrote:
>
>> Hi all,
>>
>> I just joined the group. I am evaluating for my own purchase an Orion II that my club is selling for an estate.
>>
>> I noticed the s meter bulb flickers in response to the strength of the received signal or it just goes out. If i tap on the s meter, the light will come back on I assume the bulb is bad. I have read through most of the info on the rig but I did not see a service manual. Is there such a thing? I wanted to see how to replace the bulb.
>>
>> Also, the rig has no extra filters or the antenna tuner. It does have the power supply and the desk mic (707 I think). Does $3100 seem a fair price for that?
>>
>> Thanks
>>
>> Tom NY4I
>>
>>
>>
>>
>>
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>

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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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8619. Re: [orion565] S meter bulb

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-05 21:10:39 UTC
From: Luther Phillips
Topic: 8611 Message: 8619

Hi Tom, and welcome to the group.

The Orion & Orion II do not have standard bulb(s) for lighting the S-meter, but use a strip of 5 LED's. You can see them mounted along the bottom edge of the meter if you look down into the meter from above. I'm certainly not sure about it, but they may be an intergal part of the meter assembly itself which means you would have to replace the entire meter if that is the case.

There is a meter currently listed on the popular auction site for $20. It's hard to tell from the picture if the LEDs are built into the meter, but it does show a small connector on the end of some wires. You might check the connector on the rig you are looking at to make sure it is seated properly. Those things can work loose over time.

I've had a few Orions/Orion II's (currently have a II) and have never noticed the S-meter LEDs diming or flickering.

There is no publicly available service manual, but the complete set of schematics is available for download at Ten-Tec's website. They would not show you how to change/repair the LED's, of course. You might call Ten-Tec's service department- I'm sure they could tell you what you need to know.

To go along with Jerry's earlier reply, $3,100 may be a little on the high end for an Orion II with no tuner or extra filters, even with the PS & mic. You can call or email Ten-Tec and get their current trade-in value for the radio to get another data point.

Good luck!

73,
Luther N4UW

----- Original Message -----
From: "thomasmschaefer" <ny4i@...>
To: <orion565@yahoogroups.com>
Sent: Wednesday, September 05, 2012 8:56 AM
Subject: [orion565] S meter bulb

> Hi all,
>
> I just joined the group. I am evaluating for my own purchase an Orion II
> that my club is selling for an estate.
>
> I noticed the s meter bulb flickers in response to the strength of the
> received signal or it just goes out. If i tap on the s meter, the light
> will come back on I assume the bulb is bad. I have read through most of
> the info on the rig but I did not see a service manual. Is there such a

> thing? I wanted to see how to replace the bulb.
>
> Also, the rig has no extra filters or the antenna tuner. It does have the
> power supply and the desk mic (707 I think). Does $3100 seem a fair price
> for that?
>
> Thanks
>
> Tom NY4I
>
>
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> Yahoo! Groups Links
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8620. Re: For Sale: Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-06 09:01:18 UTC
From: joe_word
Topic: 4407 Message: 8620

*** Would consider trade deal offers ***

Joe N9VX

--- In orion565@yahoogroups.com, "joe_word" <joe_word@...> wrote:
>
> For sale Ten-Tec Orion II in very good condition, no scratches or flaws, has not been around tobacco smoke. Has all optional filter slots filled (1.8, 600 & 300 filters). Does not have optional antenna tuner. Comes with original manual, power cord and box. Will be shipped from Ten-Tec after being checked-out and minor repair of the TX audio circuit (mic gain is down). $3000 OBO plus $50 help on shipping/insurance, in CONUS only. Payment by money order or bank cashiers check no Paypal. Please contact me off-list.
> joe.n9vx at gmail dot com
>
> Joe N9VX
>

8621. Re: For Sale: Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-07 10:20:38 UTC
From: joe_word
Topic: 4407 Message: 8621

I have lowered the price to $2830 shipped in CONUS. May consider trading down plus cash.

Joe N9VX

> --- In orion565@yahoogroups.com, "joe_word" <joe_word@> wrote:
> >
> > For sale Ten-Tec Orion II in very good condition, no scratches or flaws, has not been around tobacco smoke. Has all optional filter slots filled (1.8, 600 & 300 filters). Does not have optional antenna tuner. Comes with original manual, power cord and box. Will be shipped from Ten-Tec after being checked-out and minor repair of the TX audio circuit (mic gain is down). $3000 OBO plus $50 help on shipping/insurance, in CONUS only. Payment by money order or bank cashiers check no Paypal. Please contact me off-list.
> > joe.n9vx at gmail dot com
> >
> > Joe N9VX
> >
>

8622. Re: For Sale: Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-09 01:19:31 UTC
From: joe_word
Topic: 4407 Message: 8622

The radio is sold.

Joe N9VX

--- In orion565@yahoogroups.com, "joe_word" <joe_word@...> wrote:
>
>
> I have lowered the price to $2830 shipped in CONUS. May consider trading down plus cash.
>
> Joe N9VX
>
> > --- In orion565@yahoogroups.com, "joe_word" <joe_word@> wrote:
> > >
> > > For sale Ten-Tec Orion II in very good condition, no scratches or flaws, has not been around tobacco smoke. Has all optional filter slots filled (1.8, 600 & 300 filters). Does not have optional antenna tuner. Comes with original manual, power cord and box. Will be shipped from Ten-Tec after being checked-out and minor repair of the TX audio circuit (mic gain is down). $3000 OBO plus $50 help on shipping/insurance, in CONUS only. Payment by money order or bank cashiers check no Paypal. Please contact me off-list.
> > > joe.n9vx at gmail dot com
> > >
> > > Joe N9VX
> > >
> >
>

8623. Orion For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-09 11:40:26 UTC
From: harrylarge
Topic: 783 Message: 8623

Hello,
As much as I have to I have to sell my Orion station that consists of an Excellent Orion loaded with all the Filters and the auto tuner. I also have the remote keypad , two speakers , regal desk mic and the 712 digital unit. I am asking for $2100 for the package plus some help on the shipping. Thanks for letting me be part of the group.
Harry Large
USAF SMSGT Retired
AH6FF

[Non-text portions of this message have been removed]

8624. 565 with the TT 712

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-09 23:41:12 UTC
From: w5kg
Topic: 8624 Message: 8624

I have seen where some were having problems with the Signalink USB transmitting. I hope I am not beating an old horse to death here, but I have the same problem using the TT 712. Receives great and PTT is ok. Keys the Orion but no audio out. Meaning not transmitting. I have tried ajusting computer but I am having no luck.
Great rig the Orion but both manuals are confusing about the menue settings also.
Thanks de
Don, W5KG

8625. Re: version 2 hardware update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-09 23:48:31 UTC
From: harrylarge
Topic: 8625 Message: 8625

I have installed version 2.64 and was wondering if it will work fine if the hardware update has not been done.
Harry Large
USAF SMSGT Retired
AH6FF

[Non-text portions of this message have been removed]

8626. RE: [orion565] Re: version 2 hardware update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-10 02:10:30 UTC
From: Duane Calvin
Topic: 8625 Message: 8626

Harry - it should work OK with the exception of your band scope which will not operate without the hardware update.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of harrylarge
Sent: Sunday, September 09, 2012 6:49 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: version 2 hardware update

I have installed version 2.64 and was wondering if it will work fine if the hardware update has not been done.
Harry Large
USAF SMSGT Retired
AH6FF

[Non-text portions of this message have been removed]

Yahoo! Groups Links

8627. Re: [orion565] version 2 hardware update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-10 02:21:40 UTC
From: harrylarge
Topic: 8625 Message: 8627

Thanks Duane, I am the second owner and are you talking about the band sweep ??
Harry Large
USAF SMSGT Retired
AH6FF

On Sep 9, 2012, at 10:10 PM, Duane Calvin wrote:

> Harry - it should work OK with the exception of your band scope which will
> not operate without the hardware update.
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of harrylarge
> Sent: Sunday, September 09, 2012 6:49 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: version 2 hardware update
>
> I have installed version 2.64 and was wondering if it will work fine if the
> hardware update has not been done.
> Harry Large
> USAF SMSGT Retired
> AH6FF
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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8628. RE: [orion565] version 2 hardware update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-10 03:01:50 UTC
From: Duane Calvin
Topic: 8625 Message: 8628

Yes, the band sweep. Sorry, forgot the "official" name for it! If I remember correctly, the firmware will tell you when the radio boots up that the Ver. 2 hardware mod is not detected, and then the sweep function is disabled. It's been a while since I did mine, so I don't remember the exact wording. Either way, the firmware will work otherwise, and depending on which version you are running, it will have the particular features (and maybe, bugs) that that particular release had. You'd have to go back and read the archived forums for those releases to see which had what unless someone has created a list of that information. Hope this helps.

And, thank you for your service. I left the USAF as a "buck sergeant" after four years during the Vietnam era.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of harrylarge
Sent: Sunday, September 09, 2012 9:22 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] version 2 hardware update

Thanks Duane, I am the second owner and are you talking about the band sweep ??
Harry Large
USAF SMSGT Retired
AH6FF

On Sep 9, 2012, at 10:10 PM, Duane Calvin wrote:

> Harry - it should work OK with the exception of your band scope which will
> not operate without the hardware update.
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of harrylarge
> Sent: Sunday, September 09, 2012 6:49 PM

> To: orion565@yahoogroups.com
> Subject: [orion565] Re: version 2 hardware update
>
> I have installed version 2.64 and was wondering if it will work fine if
the
> hardware update has not been done.
> Harry Large
> USAF SMSGT Retired
> AH6FF
>
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> Yahoo! Groups Links
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Yahoo! Groups Links

8629. Re: [orion565] version 2 hardware update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-10 03:06:18 UTC
From: harrylarge
Topic: 8625 Message: 8629

Thanks Duane on to version 3
Harry Large
USAF SMSGT Retired
AH6FF

On Sep 9, 2012, at 11:01 PM, Duane Calvin wrote:

> Yes, the band sweep. Sorry, forgot the "official" name for it! If I
> remember correctly, the firmware will tell you when the radio boots up that
> the Ver. 2 hardware mod is not detected, and then the sweep function is
> disabled. It's been a while since I did mine, so I don't remember the exact
> wording. Either way, the firmware will work otherwise, and depending on
> which version you are running, it will have the particular features (and
> maybe, bugs) that that particular release had. You'd have to go back and
> read the archived forums for those releases to see which had what unless
> someone has created a list of that information. Hope this helps.
>
> And, thank you for your service. I left the USAF as a "buck sergeant" after
> four years during the Vietnam era.
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of harrylarge
> Sent: Sunday, September 09, 2012 9:22 PM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] version 2 hardware update
>
> Thanks Duane, I am the second owner and are you talking about the band sweep
> ??
> Harry Large
> USAF SMSGT Retired
> AH6FF
>
> On Sep 9, 2012, at 10:10 PM, Duane Calvin wrote:
>
> > Harry - it should work OK with the exception of your band scope which will
> > not operate without the hardware update.
> >
> > 73, Duane

> >
> > Duane Calvin, AC5AA
> > Austin, Texas
> > www.ac5aa.com
> >
> > -----Original Message-----
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > Of harrylarge
> > Sent: Sunday, September 09, 2012 6:49 PM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] Re: version 2 hardware update
> >
> > I have installed version 2.64 and was wondering if it will work fine if
> the
> > hardware update has not been done.
> > Harry Large
> > USAF SMSGT Retired
> > AH6FF
> >
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8630. Re: [orion565] version 2 hardware update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-10 18:06:25 UTC
From: harrylarge
Topic: 8625 Message: 8630

Thanks Duane ,
Do you know of anyone who is looking for an excellent orion let me know.
Harry Large
USAF SMSGT Retired
AH6FF

On Sep 9, 2012, at 11:01 PM, Duane Calvin wrote:

> Yes, the band sweep. Sorry, forgot the "official" name for it! If I
> remember correctly, the firmware will tell you when the radio boots up that
> the Ver. 2 hardware mod is not detected, and then the sweep function is
> disabled. It's been a while since I did mine, so I don't remember the exact
> wording. Either way, the firmware will work otherwise, and depending on
> which version you are running, it will have the particular features (and
> maybe, bugs) that that particular release had. You'd have to go back and
> read the archived forums for those releases to see which had what unless
> someone has created a list of that information. Hope this helps.
>
> And, thank you for your service. I left the USAF as a "buck sergeant" after
> four years during the Vietnam era.
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of harrylarge
> Sent: Sunday, September 09, 2012 9:22 PM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] version 2 hardware update
>
> Thanks Duane, I am the second owner and are you talking about the band sweep
> ??
> Harry Large
> USAF SMSGT Retired
> AH6FF
>
> On Sep 9, 2012, at 10:10 PM, Duane Calvin wrote:
>
> > Harry - it should work OK with the exception of your band scope which will
> > not operate without the hardware update.
> >

> > 73, Duane
> >
> > Duane Calvin, AC5AA
> > Austin, Texas
> > www.ac5aa.com
> >
> > -----Original Message-----
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > Of harrylarge
> > Sent: Sunday, September 09, 2012 6:49 PM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] Re: version 2 hardware update
> >
> > I have installed version 2.64 and was wondering if it will work fine if
> the
> > hardware update has not been done.
> > Harry Large
> > USAF SMSGT Retired
> > AH6FF
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8631. RE: [orion565] version 2 hardware update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-10 20:02:15 UTC
From: Duane Calvin
Topic: 8625 Message: 8631

Giving up on yours already?

Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of harrylarge
Sent: Monday, September 10, 2012 1:06 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] version 2 hardware update

Thanks Duane ,
Do you know of anyone who is looking for an excellent orion let me know.
Harry Large
USAF SMSGT Retired
AH6FF

On Sep 9, 2012, at 11:01 PM, Duane Calvin wrote:

> Yes, the band sweep. Sorry, forgot the "official" name for it! If I
> remember correctly, the firmware will tell you when the radio boots up that
> the Ver. 2 hardware mod is not detected, and then the sweep function is
> disabled. It's been a while since I did mine, so I don't remember the exact
> wording. Either way, the firmware will work otherwise, and depending on
> which version you are running, it will have the particular features (and
> maybe, bugs) that that particular release had. You'd have to go back and
> read the archived forums for those releases to see which had what unless
> someone has created a list of that information. Hope this helps.
>
> And, thank you for your service. I left the USAF as a "buck sergeant" after
> four years during the Vietnam era.
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
> -----Original Message-----

> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of harrylarge
> Sent: Sunday, September 09, 2012 9:22 PM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] version 2 hardware update
>
> Thanks Duane, I am the second owner and are you talking about the band
sweep
> ??
> Harry Large
> USAF SMSGT Retired
> AH6FF
>
> On Sep 9, 2012, at 10:10 PM, Duane Calvin wrote:
>
> > Harry - it should work OK with the exception of your band scope which
will
> > not operate without the hardware update.
> >
> > 73, Duane
> >
> > Duane Calvin, AC5AA
> > Austin, Texas
> > www.ac5aa.com
> >
> > -----Original Message-----
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
Behalf
> > Of harrylarge
> > Sent: Sunday, September 09, 2012 6:49 PM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] Re: version 2 hardware update
> >
> > I have installed version 2.64 and was wondering if it will work fine if
> the
> > hardware update has not been done.
> > Harry Large
> > USAF SMSGT Retired
> > AH6FF
> >
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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Yahoo! Groups Links

8632. Re: [orion565] version 2 hardware update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-10 21:23:52 UTC
From: harrylarge
Topic: 8625 Message: 8632

Well I got rid of my Flex to try the Orion and although I like the radio I think I like the Flex better.
Harry Large
USAF SMSGT Retired
AH6FF

On Sep 10, 2012, at 4:02 PM, Duane Calvin wrote:

> Giving up on yours already?
>
> Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of harrylarge
> Sent: Monday, September 10, 2012 1:06 PM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] version 2 hardware update
>
> Thanks Duane ,
> Do you know of anyone who is looking for an excellent orion let me know.
> Harry Large
> USAF SMSGT Retired
> AH6FF
>
> On Sep 9, 2012, at 11:01 PM, Duane Calvin wrote:
>
> > Yes, the band sweep. Sorry, forgot the "official" name for it! If I
> > remember correctly, the firmware will tell you when the radio boots up
> that
> > the Ver. 2 hardware mod is not detected, and then the sweep function is
> > disabled. It's been a while since I did mine, so I don't remember the
> exact
> > wording. Either way, the firmware will work otherwise, and depending on
> > which version you are running, it will have the particular features (and
> > maybe, bugs) that that particular release had. You'd have to go back and
> > read the archived forums for those releases to see which had what unless
> > someone has created a list of that information. Hope this helps.
> >
> > And, thank you for your service. I left the USAF as a "buck sergeant"
> after

> > four years during the Vietnam era.
> >
> > 73, Duane
> >
> > Duane Calvin, AC5AA
> > Austin, Texas
> > www.ac5aa.com
> >
> > -----Original Message-----
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > Of harrylarge
> > Sent: Sunday, September 09, 2012 9:22 PM
> > To: orion565@yahoogroups.com
> > Subject: Re: [orion565] version 2 hardware update
> >
> > Thanks Duane, I am the second owner and are you talking about the band
> sweep
> > ??
> > Harry Large
> > USAF SMSGT Retired
> > AH6FF
> >
> > On Sep 9, 2012, at 10:10 PM, Duane Calvin wrote:
> >
> > > Harry - it should work OK with the exception of your band scope which
> will
> > > not operate without the hardware update.
> > >
> > > 73, Duane
> > >
> > > Duane Calvin, AC5AA
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> > > www.ac5aa.com
> > >
> > > -----Original Message-----
> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf
> > > Of harrylarge
> > > Sent: Sunday, September 09, 2012 6:49 PM
> > > To: orion565@yahoogroups.com
> > > Subject: [orion565] Re: version 2 hardware update
> > >
> > > I have installed version 2.64 and was wondering if it will work fine if
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> > > Harry Large
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> > > AH6FF
> > >
> > > [Non-text portions of this message have been removed]

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> > > Yahoo! Groups Links
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> > > Yahoo! Groups Links
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> > Yahoo! Groups Links
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[Non-text portions of this message have been removed]

8633. Re: [orion565] version 2 hardware update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-10 21:27:57 UTC
From: Seek
Topic: 8625 Message: 8633

Harry,
Is this orion or orion II?

Arek
AC2FC

Sent from my iPhone

On Sep 10, 2012, at 5:23 PM, harrylarge <harry.large@...> wrote:

> Well I got rid of my Flex to try the Orion and although I like the radio I think I like the Flex better.
> Harry Large
> USAF SMSGT Retired
> AH6FF
>
>
>
> On Sep 10, 2012, at 4:02 PM, Duane Calvin wrote:
>
>> Giving up on yours already?
>>
>> Duane
>>
>> Duane Calvin, AC5AA
>> Austin, Texas
>> www.ac5aa.com
>>
>> -----Original Message-----
>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
>> Of harrylarge
>> Sent: Monday, September 10, 2012 1:06 PM
>> To: orion565@yahoogroups.com
>> Subject: Re: [orion565] version 2 hardware update
>>
>> Thanks Duane ,
>> Do you know of anyone who is looking for an excellent orion let me know.
>> Harry Large
>> USAF SMSGT Retired
>> AH6FF
>>
>> On Sep 9, 2012, at 11:01 PM, Duane Calvin wrote:
>>
>>> Yes, the band sweep. Sorry, forgot the "official" name for it! If I
>>> remember correctly, the firmware will tell you when the radio boots up
>> that

>>> the Ver. 2 hardware mod is not detected, and then the sweep function is
>>> disabled. It's been a while since I did mine, so I don't remember the
>> exact
>>> wording. Either way, the firmware will work otherwise, and depending on
>>> which version you are running, it will have the particular features (and
>>> maybe, bugs) that that particular release had. You'd have to go back and
>>> read the archived forums for those releases to see which had what unless
>>> someone has created a list of that information. Hope this helps.
>>>
>>> And, thank you for your service. I left the USAF as a "buck sergeant"
>> after
>>> four years during the Vietnam era.
>>>
>>> 73, Duane
>>>
>>> Duane Calvin, AC5AA
>>> Austin, Texas
>>> www.ac5aa.com
>>>
>>> -----Original Message-----
>>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
>>> Of harrylarge
>>> Sent: Sunday, September 09, 2012 9:22 PM
>>> To: orion565@yahoogroups.com
>>> Subject: Re: [orion565] version 2 hardware update
>>>
>>> Thanks Duane, I am the second owner and are you talking about the band
>> sweep
>>> ??
>>> Harry Large
>>> USAF SMSGT Retired
>>> AH6FF
>>>
>>> On Sep 9, 2012, at 10:10 PM, Duane Calvin wrote:
>>>
>>>> Harry - it should work OK with the exception of your band scope which
>> will
>>>> not operate without the hardware update.
>>>>
>>>> 73, Duane
>>>>
>>>> Duane Calvin, AC5AA
>>>> Austin, Texas
>>>> www.ac5aa.com
>>>>
>>>> -----Original Message-----
>>>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
>> Behalf
>>>> Of harrylarge
>>>> Sent: Sunday, September 09, 2012 6:49 PM

>>>> To: orion565@yahoogroups.com
>>>> Subject: [orion565] Re: version 2 hardware update
>>>>
>>>> I have installed version 2.64 and was wondering if it will work fine if
>>> the
>>>> hardware update has not been done.
>>>> Harry Large
>>>> USAF SMSGT Retired
>>>> AH6FF
>>>>
>>>> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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8634. Re: [orion565] version 2 hardware update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-10 21:31:34 UTC
From: harrylarge
Topic: 8625 Message: 8634

Hello , it is an Orion
Harry Large
USAF SMSGT Retired
AH6FF

On Sep 10, 2012, at 5:27 PM, Seek wrote:

> Harry,
> Is this orion or orion II?
>
> Arek
> AC2FC
>
> Sent from my iPhone
>
> On Sep 10, 2012, at 5:23 PM, harrylarge <harry.large@...> wrote:
>
> > Well I got rid of my Flex to try the Orion and although I like the radio I think I like the Flex better.
> > Harry Large
> > USAF SMSGT Retired
> > AH6FF
> >
> >
> >
> > On Sep 10, 2012, at 4:02 PM, Duane Calvin wrote:
> >
> >> Giving up on yours already?
> >>
> >> Duane
> >>
> >> Duane Calvin, AC5AA
> >> Austin, Texas
> >> www.ac5aa.com
> >>
> >> -----Original Message-----
> >> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> >> Of harrylarge
> >> Sent: Monday, September 10, 2012 1:06 PM
> >> To: orion565@yahoogroups.com
> >> Subject: Re: [orion565] version 2 hardware update
> >>
> >> Thanks Duane ,
> >> Do you know of anyone who is looking for an excellent orion let me know.
> >> Harry Large

> >> USAF SMSGT Retired
> >> AH6FF
> >>
> >> On Sep 9, 2012, at 11:01 PM, Duane Calvin wrote:
> >>
> >>> Yes, the band sweep. Sorry, forgot the "official" name for it! If I
> >>> remember correctly, the firmware will tell you when the radio boots up
> >> that
> >>> the Ver. 2 hardware mod is not detected, and then the sweep function is
> >>> disabled. It's been a while since I did mine, so I don't remember the
> >> exact
> >>> wording. Either way, the firmware will work otherwise, and depending on
> >>> which version you are running, it will have the particular features (and
> >>> maybe, bugs) that that particular release had. You'd have to go back and
> >>> read the archived forums for those releases to see which had what unless
> >>> someone has created a list of that information. Hope this helps.
> >>>
> >>> And, thank you for your service. I left the USAF as a "buck sergeant"
> >> after
> >>> four years during the Vietnam era.
> >>>
> >>> 73, Duane
> >>>
> >>> Duane Calvin, AC5AA
> >>> Austin, Texas
> >>> www.ac5aa.com
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> >>> -----Original Message-----
> >>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> >>> Of harrylarge
> >>> Sent: Sunday, September 09, 2012 9:22 PM
> >>> To: orion565@yahoogroups.com
> >>> Subject: Re: [orion565] version 2 hardware update
> >>>
> >>> Thanks Duane, I am the second owner and are you talking about the band
> >> sweep
> >>> ??
> >>> Harry Large
> >>> USAF SMSGT Retired
> >>> AH6FF
> >>>
> >>> On Sep 9, 2012, at 10:10 PM, Duane Calvin wrote:
> >>>
> >>>> Harry - it should work OK with the exception of your band scope which
> >> will
> >>>> not operate without the hardware update.
> >>>>
> >>>> 73, Duane
> >>>>
> >>>> Duane Calvin, AC5AA

> >>>> Austin, Texas
> >>>> www.ac5aa.com
> >>>>
> >>>> -----Original Message-----
> >>>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> >> Behalf
> >>>> Of harrylarge
> >>>> Sent: Sunday, September 09, 2012 6:49 PM
> >>>> To: orion565@yahoogroups.com
> >>>> Subject: [orion565] Re: version 2 hardware update
> >>>>
> >>>> I have installed version 2.64 and was wondering if it will work fine if
> >>> the
> >>>> hardware update has not been done.
> >>>> Harry Large
> >>>> USAF SMSGT Retired
> >>>> AH6FF
> >>>>
> >>>> [Non-text portions of this message have been removed]
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> > Yahoo! Groups Links
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[Non-text portions of this message have been removed]

8635. Re: [orion565] version 2 hardware update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-10 22:44:23 UTC
From: Seek
Topic: 8625 Message: 8635

Thanks Harry,
I am looking for Orion II

Sent from my iPhone

On Sep 10, 2012, at 5:31 PM, harrylarge <harry.large@...> wrote:

> Hello , it is an Orion
> Harry Large
> USAF SMSGT Retired
> AH6FF
>
>
>
> On Sep 10, 2012, at 5:27 PM, Seek wrote:
>
>> Harry,
>> Is this orion or orion II?
>>
>> Arek
>> AC2FC
>>
>> Sent from my iPhone
>>
>> On Sep 10, 2012, at 5:23 PM, harrylarge <harry.large@...> wrote:
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>>> Well I got rid of my Flex to try the Orion and although I like the radio I think I like the Flex better.
>>> Harry Large
>>> USAF SMSGT Retired
>>> AH6FF
>>>
>>>
>>>
>>> On Sep 10, 2012, at 4:02 PM, Duane Calvin wrote:
>>>
>>>> Giving up on yours already?
>>>>
>>>> Duane
>>>>
>>>> Duane Calvin, AC5AA
>>>> Austin, Texas
>>>> www.ac5aa.com
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>>>> -----Original Message-----
>>>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf

>>>> Of harrylarge
>>>> Sent: Monday, September 10, 2012 1:06 PM
>>>> To: orion565@yahoogroups.com
>>>> Subject: Re: [orion565] version 2 hardware update
>>>>
>>>> Thanks Duane ,
>>>> Do you know of anyone who is looking for an excellent orion let me know.
>>>> Harry Large
>>>> USAF SMSGT Retired
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>>>> On Sep 9, 2012, at 11:01 PM, Duane Calvin wrote:
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>>>>> Yes, the band sweep. Sorry, forgot the "official" name for it! If I
>>>>> remember correctly, the firmware will tell you when the radio boots up
>>>> that
>>>>> the Ver. 2 hardware mod is not detected, and then the sweep function is
>>>>> disabled. It's been a while since I did mine, so I don't remember the
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>>>>> wording. Either way, the firmware will work otherwise, and depending on
>>>>> which version you are running, it will have the particular features (and
>>>>> maybe, bugs) that that particular release had. You'd have to go back and
>>>>> read the archived forums for those releases to see which had what unless
>>>>> someone has created a list of that information. Hope this helps.
>>>>>
>>>>> And, thank you for your service. I left the USAF as a "buck sergeant"
>>>> after
>>>>> four years during the Vietnam era.
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>>>>> 73, Duane
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>>>>> Duane Calvin, AC5AA
>>>>> Austin, Texas
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>>>>> -----Original Message-----
>>>>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
>>>>> Of harrylarge
>>>>> Sent: Sunday, September 09, 2012 9:22 PM
>>>>> To: orion565@yahoogroups.com
>>>>> Subject: Re: [orion565] version 2 hardware update
>>>>>
>>>>> Thanks Duane, I am the second owner and are you talking about the band
>>>> sweep
>>>>> ??
>>>>> Harry Large
>>>>> USAF SMSGT Retired
>>>>> AH6FF
>>>>>
>>>>> On Sep 9, 2012, at 10:10 PM, Duane Calvin wrote:

>>>>>
>>>>>> Harry - it should work OK with the exception of your band scope which
>>>> will
>>>>>> not operate without the hardware update.
>>>>>>
>>>>>> 73, Duane
>>>>>>
>>>>>> Duane Calvin, AC5AA
>>>>>> Austin, Texas
>>>>>> www.ac5aa.com
>>>>>>
>>>>>> -----Original Message-----
>>>>>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
>>>> Behalf
>>>>>> Of harrylarge
>>>>>> Sent: Sunday, September 09, 2012 6:49 PM
>>>>>> To: orion565@yahoogroups.com
>>>>>> Subject: [orion565] Re: version 2 hardware update
>>>>>>
>>>>>> I have installed version 2.64 and was wondering if it will work fine if
>>>>> the
>>>>>> hardware update has not been done.
>>>>>> Harry Large
>>>>>> USAF SMSGT Retired
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>>>>>> [Non-text portions of this message have been removed]
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>>>>>> Yahoo! Groups Links
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8636. Help updating firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-15 17:32:40 UTC
From: PY2KD
Topic: 8636 Message: 8636

Dearball, I need update my orion2 today but I have apple notebooks and an sony pc vaio withou serial connectors. But i have one cable usb to serial, butbthe tentec softwrae doesnt recognize usb. What should I do ?
Regards

8637. Re: [orion565] Help updating firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-15 18:04:12 UTC
From: Barry N1EU
Topic: 8636 Message: 8637

On your Sony Vaio, plug in the USB/Serial cable and go to Control Panel - Device Manager. Expand the Ports section and look for a "USB Serial Port" listed as "COMx". If you see that, then just use the COMx value in the Orion Update program as your serial port.

73/GL,
Barry N1EU

On Sat, Sep 15, 2012 at 5:32 PM, PY2KD <luiz.lissoni@...> wrote:

> **
>
>
> Dearball, I need update my orion2 today but I have apple notebooks and an
> sony pc vaio withou serial connectors. But i have one cable usb to serial,
> butbthe tentec softwrae doesnt recognize usb. What should I do ?
> Regards
>
>
>

[Non-text portions of this message have been removed]

8638. Re: Help updating firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-15 20:31:53 UTC
From: PY2KD
Topic: 8636 Message: 8638

Theres no comx port or otion in the controlpanel/device mngr...
Mine. Is windows 7 in an old sony vaio.

Is this ok ?

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> On your Sony Vaio, plug in the USB/Serial cable and go to Control Panel -
> Device Manager. Expand the Ports section and look for a "USB Serial Port"
> listed as "COMx". If you see that, then just use the COMx value in the
> Orion Update program as your serial port.
>
> 73/GL,
> Barry N1EU
>
> On Sat, Sep 15, 2012 at 5:32 PM, PY2KD <luiz.lissoni@...> wrote:
>
> > **
> > >
> > >
> > > Dearball, I need update my orion2 today but I have apple notebooks and an
> > > sony pc vaio withou serial connectors. But i have one cable usb to serial,
> > > butbthe tentec softwrae doesnt recognize usb. What should I do ?
> > > Regards
> > >
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> >
> > [Non-text portions of this message have been removed]
> >

8639. Re: [orion565] Re: Help updating firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-15 21:05:16 UTC
From: Barry N1EU
Topic: 8636 Message: 8639

No. In the Windows 7 Device Manager, you need to see the USB Serial Port
listed under "Ports"

On Sat, Sep 15, 2012 at 8:31 PM, PY2KD <luiz.lissoni@ymail.com> wrote:

> **
>
>
> Theres no comx port or otion in the controlpanel/device mngr...
> Mine. Is windows 7 in an old sony vaio.
>
> Is this ok ?
>
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
> >
> > On your Sony Vaio, plug in the USB/Serial cable and go to Control Panel -
> > Device Manager. Expand the Ports section and look for a "USB Serial Port"
> > listed as "COMx". If you see that, then just use the COMx value in the
> > Orion Update program as your serial port.
> >
> > 73/GL,
> > Barry N1EU
> >
> > On Sat, Sep 15, 2012 at 5:32 PM, PY2KD <luiz.lissoni@...> wrote:
> >
> > > **
>
> > >
> > >
> > > Dearball, I need update my orion2 today but I have apple notebooks and
> an
> > > sony pc vaio withou serial connectors. But i have one cable usb to
> serial,
> > > butbthe tentec softwrae doesnt recognize usb. What should I do ?
> > > Regards
> > >
> > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
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>

>

[Non-text portions of this message have been removed]

8640. Re: Help updating firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-15 21:12:10 UTC
From: PY2KD
Topic: 8636 Message: 8640

Mine is the home edition, there is any option listed as ports, should I upgrade ?
Is there this upgrade for mac ?
Rgds

--- In orion565@...m, Barry N1EU <barry.n1eu@...> wrote:
>
> No. In the Windows 7 Device Manager, you need to see the USB Serial Port
> listed under "Ports"
>
> On Sat, Sep 15, 2012 at 8:31 PM, PY2KD <luiz.lissoni@...> wrote:
>
> > **
> >
> >
> > Theres no comx port or otion in the controlpanel/device mngr...
> > Mine. Is windows 7 in an old sony vaio.
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> > Is this ok ?
> >
> >
> > --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> > >
> > > On your Sony Vaio, plug in the USB/Serial cable and go to Control Panel -
> > > Device Manager. Expand the Ports section and look for a "USB Serial Port"
> > > listed as "COMx". If you see that, then just use the COMx value in the
> > > Orion Update program as your serial port.
> > >
> > > 73/GL,
> > > Barry N1EU
> > >
> > > On Sat, Sep 15, 2012 at 5:32 PM, PY2KD <luiz.lissoni@> wrote:
> > >
> > > > **
> > >
> > > >
> > > >
> > > > Dearball, I need update my orion2 today but I have apple notebooks and
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> > > > sony pc vaio withou serial connectors. But i have one cable usb to
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> > > > butbthe tentec softwrae doesnt recognize usb. What should I do ?
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> > > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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8641. Re: [orion565] Re: Help updating firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-15 21:38:44 UTC
From: Barry N1EU
Topic: 8636 Message: 8641

Do you see "Universal Serial Bus controllers" listed and an entry under it
for "USB Serial Converter"?

On Sat, Sep 15, 2012 at 9:12 PM, PY2KD <luiz.lissoni@...> wrote:

> **
>
>
> Mine is the home edition, there is any option listed as ports, should I
> upgrade ?
> Is there this upgrade for mac ?
> Rgds
>
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
> >
> > No. In the Windows 7 Device Manager, you need to see the USB Serial Port
> > listed under "Ports"
> >
> > On Sat, Sep 15, 2012 at 8:31 PM, PY2KD <luiz.lissoni@...> wrote:
> >
> > > **
>
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> > >
> > > Theres no comx port or otion in the controlpanel/device mngr...
> > > Mine. Is windows 7 in an old sony vaio.
> > >
> > > Is this ok ?
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> > > --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> > > >
> > > > On your Sony Vaio, plug in the USB/Serial cable and go to Control
> > Panel -
> > > > Device Manager. Expand the Ports section and look for a "USB Serial
> > Port"
> > > > listed as "COMx". If you see that, then just use the COMx value in
> > the
> > > > Orion Update program as your serial port.
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> > > > 73/GL,
> > > > Barry N1EU
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> > > > On Sat, Sep 15, 2012 at 5:32 PM, PY2KD <luiz.lissoni@> wrote:

> > > >
> > > > > **
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> > > > >
> > > > > >
> > > > > > Dearball, I need update my orion2 today but I have apple notebooks
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> > > > > > sony pc vaio withou serial connectors. But i have one cable usb to
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> > > > > > butbthe tentec softwrae doesnt recognize usb. What should I do ?
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8642. Re: Help updating firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-16 00:28:16 UTC
From: PY2KD
Topic: 8636 Message: 8642

In control panel, device manager, usb controlers, I just can find a lot of lines listed as intel (r)..familynusb host universal controler and usb composite device and usb root hub, nothing more...
--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Do you see "Universal Serial Bus controllers" listed and an entry under it
> for "USB Serial Converter"?
>
> On Sat, Sep 15, 2012 at 9:12 PM, PY2KD <luiz.lissoni@...> wrote:
>
> > **
> > >
> > >
> > Mine is the home edition, there is any option listed as ports, should I
> > upgrade ?
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> > Rgds
> > >
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> > --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> > >
> > > No. In the Windows 7 Device Manager, you need to see the USB Serial Port
> > > listed under "Ports"
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> > > On Sat, Sep 15, 2012 at 8:31 PM, PY2KD <luiz.lissoni@> wrote:
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> > > > --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
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> > Port"
> > > > listed as "COMx". If you see that, then just use the COMx value in
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> > > > Orion Update program as your serial port.

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> > > > > 73/GL,
> > > > > Barry N1EU
> > > > >
> > > > > On Sat, Sep 15, 2012 at 5:32 PM, PY2KD <luiz.lissoni@> wrote:
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> > > > > > [Non-text portions of this message have been removed]
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8643. Re: [orion565] Re: Help updating firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-16 08:57:11 UTC
From: Barry N1EU
Topic: 8636 Message: 8643

Your usb serial cable isn't recognized by your pc. Try rebooting your pc.
Try finding the proper Windows 7 driver for your cable. If that doesn't
work, buy a new one that uses FTDI driver/chipset.

Barry N1EU

On Sun, Sep 16, 2012 at 12:28 AM, PY2KD <luiz.lissoni@...> wrote:

> **
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>
> In control panel, device manager, usb controlers, I just can find a lot of
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> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
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> > On Sat, Sep 15, 2012 at 9:12 PM, PY2KD <luiz.lissoni@...> wrote:
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> > > Mine is the home edition, there is any option listed as ports, should I
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> > > > > > 73/GL,
> > > > > > Barry N1EU
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8644. Re: Help updating firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-16 12:08:36 UTC
From: PY2KD
Topic: 8636 Message: 8644

Barry, my Orion came with two additional cables, one is for aux I/o and has a sort of outputs including one db/serial and another is a band control. Are them suitable for upgrading, may I send you a pic ?
Regards
--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Your usb serial cable isn't recognized by your pc. Try rebooting your pc.
> Try finding the proper Windows 7 driver for your cable. If that doesn't
> work, buy a new one that uses FTDI driver/chipset.
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> Barry N1EU
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> On Sun, Sep 16, 2012 at 12:28 AM, PY2KD <luiz.lissoni@...> wrote:
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> > > > > > 73/GL,
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> > > > > > On Sat, Sep 15, 2012 at 5:32 PM, PY2KD <luiz.lissoni@> wrote:
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8645. Re: [orion565] Re: Help updating firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-16 19:34:25 UTC
From: Barry N1EU
Topic: 8636 Message: 8645

You need an RS232 serial cable (DB9 connector). It doesn't sound like you
even have your Orion interfaced to your computer.

On Sun, Sep 16, 2012 at 12:08 PM, PY2KD <luiz.lissoni@...> wrote:

> **
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>
> Barry, my Orion came with two additional cables, one is for aux I/o and
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> > Your usb serial cable isn't recognized by your pc. Try rebooting your pc.
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8646. First HF Radio Purchase.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-18 23:21:04 UTC
From: Paul
Topic: 8646 Message: 8646

Hello to the group,

I have been procrastinating and saving at the same time for quite a while, since the original Orion came out. I finally have the funds available to purchase an Orion II, fully optioned.

1. Should I go for the new secondary radio option or stay with the standard configuration? I can see myself listening to international short wave stations even though they are disappearing. Having said that a inexpensive SW receiver could do the same job.

2. My use will be local 80 metre nets, some DX and digital. Is the Orion the rig for me or should I be looking closer to an Eagle or something similar? I am drawn to the use of the 712 usb interface as I would like to make going digital as easy as possible. I am also drawn to the LCD display.

Please feel free to add any comments you may wish too.

Kind regards,

Paul VK3TPM.

8647. Re: [orion565] First HF Radio Purchase.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-19 00:04:08 UTC
From: N9ETD@AOL.COM
Topic: 8646 Message: 8647

Hi Paul

I have a fully optioned Orion II with the original sub receiver using the 2.044 firmware. Like yourself I use it for everything from ragchew qso's to DXing. I'm totally satisfied with the way mine works, including the subreceiver.. That being said I have a friend who has the RX366 receiver installed, and he's told me it outperforms the original. From what I know tho, the newer sub receiver only has attenuated sensitivity in the AM broadcast area of it, which would be from 530 to 1750 khz.

Depending on what you've currently been using for a rig this radio will be a bit of a departure from any analog rig that you've used. What I mean by that is with all the AGC possibilities It can be overwhelming at first.. However, what I and alot of people have done was to pick four different settings for the fast, med, slow, and custom AGC settings and they pretty much cover most of the operating conditions that we work in. And the adaptive nature in the software filtering takes some getting used to because when you make an adjustment there's not an immediate reaction like an analog radio has. If you listen to the receiver the software works on the signal and makes adjustments.

I think you'll be very pleased with the Orion II, and with the 30 complete money back guarantee you're only out the shipping charges should you decide it's not for you. For any reason.. Now that's hard to beat.

73, Craig N9ETD

[Non-text portions of this message have been removed]

8648. Re: [orion565] First HF Radio Purchase.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-19 00:07:24 UTC
From: N9ETD@AOL.COM
Topic: 8646 Message: 8648

Whoops... I meant to say 30 day money back guarantee..

Also, this radio has the easiest menu to navigate of any radio in it's class.. Not to mention the great specs..

73, Craig N9ETD

[Non-text portions of this message have been removed]

8649. Re: [orion565] First HF Radio Purchase.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-19 05:14:45 UTC
From: K Van Horn
Topic: 8646 Message: 8649

Hi Paul,.
I’m Kirby, k7ec, and have 2 Loaded Orion 2s, one with the rx366 and one with the standard subreceiver. I also have a loaded Eagle. I like to listen to am radio with the sub receiver.
The radio that you should consider getting should depend on what you intend to do with it. If you are a contester, by all means get the loaded Orion 2 with the rx-366 sub receiver with 3 filters for the modes you intend to use. If you like to listen to am broadcast on the subreceiver, get the Orion 2 with the standard subreceiver, as the one with the rx366 will not receive am broadcast and the Eagle likewise does not receive any am broadcast worth listening to without doing a mod to the radio that can mess up the higher HF reception should you have a strong am broadcast station on the wrong frequency in your local area. If you do not care about listening to any am broadcast then consider getting the Eagle if you do not want the spectrum scope on the Orion 2 or any of the other features of the Orion 2(like the new SAF feature that was added in the new version 3 firmware.....it is AMAZING how it pulls the signals out of the noise!!) I really like my Eagle, but it is not on the overall level of the Orion 2s in terms of features and base station useability. The Eagle will work fine as a mobile or base station radio, but it is not as fancy and easy to use as the Orion 2. The Eagle is a great radio, but most of the “nice to have” features of the Orion 2 have been automated or not totally included in the Eagle. I would use the Eagle as a backup radio to use in the cabin, trailer, or car unless it was the only radio I had, in which case it would work fine as a main station. So it is up to you, but you must know that the 30 day approval period will allow you to try the radio to make sure that it is the on you really want. I would try the Orion 2 first, because I really believe that is the one you will like the best. It has about 35 years of radio development by a number of business and radio geniuses standing behind it. Literally, 100s of hams have contributed ideas and time to its development. It is an excellent machine and this is verified by the fact hat almost every radio produced by any and al other radio companies have used features and similar architecture in all of the various other top line radios. Even the IC7800 and the FT9000 which use different architectures and cost twice as much (and are really nice radios) do not in many areas rise to the technical excellence of the Orion 2. The K3 I also a great radio, but again it uses architecture similar to Orion 2. So many choices, so little time!! Have fun and remember that ham radio is a wonderful HOBBY!
73 es enjoy your new radio, YOU choose,
Kirby, K7EC
Sent: Tuesday, September 18, 2012 6:04 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] First HF Radio Purchase.

Hi Paul

I have a fully optioned Orion II with the original sub receiver using the
2.044 firmware. Like yourself I use it for everything from ragchew qso's to
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73, Craig N9ETD

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8650. Re: First HF Radio Purchase.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-19 10:44:25 UTC
From: Edward A. Feustel
Topic: 8646 Message: 8650

Paul,
I have an Orion 1 with the standard receiver and all filters. I use the small add on that Ten Tec offers to isolate the Audio sent to the sound card. FLDIGI works well in this way with the ORION. The general coverage receiver is much better than the usual SW receiver because of the DSP and the ability to tune to ten cycles and do LCW or UCW as well as FM on 10M. The second receiver is one reason I prefer an Orion to an eagle.

I participate in NH ARES voice/digital on 80 meters. we have a Voice state net at the top of the band and digital on the lower. The Orion makes possible listening to both at the same time. Of course you can't receive digital when transmitting voice or vice versa.

While I have considered getting an Orion 2, I don't really need the color displays or the faster "functions" processing. I am currently running 3.032 and am satisfied with it. And getting a good Ten Tec checked Orion 1 with all mods saves $$ for an amplifier, antenna tuner, or SDR.

73,
Ed, N5EI

8651. trimmers Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-19 17:38:30 UTC
From: Jacques Paoli
Topic: 8651 Message: 8651

Hello. Can someone give me the correspondence of the various trimmer on the plates of the Orion II. Example: R20 PWR is the display and power output on the display.
Especially the two small bruises on block amp output and white only later still on the board puissance.Derrière side fins. I'm also looking SWEEP setting is too low.
thank you. Jacques.

8652. Re: trimmers Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-19 18:29:58 UTC
From: Jacques Paoli
Topic: 8651 Message: 8652

Is a Orion 566. Scuse me.
Jacques

8653. Re: First HF Radio Purchase.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-19 19:07:25 UTC
From: k1fpv
Topic: 8646 Message: 8653

Hi Paul,

Much depends on your preferences. I know I have the Orion II here with the original receiver. I didn't upgrade the second receiver as I use it primarily for amateur communications. I have a couple of other separate receivers for short-wave listening. I'm very happy with my Orion II and firmware version 3.029 for casual SSB, CW, PSK31 and AM use on all HF bands. Yes, I do ocassionally use AM! ;=)

Bill/K1FPV

--- In orion565@yahoogroups.com, "Paul" <vk3tpm@...> wrote:
>
> Hello to the group,
>
> I have been procrastinating and saving at the same time for quite a while, since the original Orion came out. I finally have the funds available to purchase an Orion II, fully optioned.
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> 1. Should I go for the new secondary radio option or stay with the standard configuration? I can see myself listening to international short wave stations even though they are disappearing. Having said that a inexpensive SW receiver could do the same job.
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> 2. My use will be local 80 metre nets, some DX and digital. Is the Orion the rig for me or should I be looking closer to an Eagle or something similar? I am drawn to the use of the 712 usb interface as I would like to make going digital as easy as possible. I am also drawn to the LCD display.
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> Please feel free to add any comments you may wish too.
>
> Kind regards,
>
> Paul VK3TPM.
>

8654. Re: First HF Radio Purchase.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-19 20:47:45 UTC
From: pa1ap
Topic: 8646 Message: 8654

Hello Paul,

My feeling is that the orion design is around high performance ham band operations with less focus towards broadcast stations outside ham bands. On ham bands and associated modulation techniques the orion is very good in my humble opinion.

On the lcd and associated control; the orion does not shine in real time spectrum display. It works but not even close to what todays sdr solutions provide. The lcd is there to provide you with operating information and does this in effective way.

I like the ease of operations (big knobs, easy menu) and the new firmware does the job well. The orion provides flexibility in several areas but this also means you can apply wrong settings. Expect a learning curve since the orion will not stop you from using experimental settings.

best regards, onno

--- In orion565@yahoogroups.com, "Paul" <vk3tpm@...> wrote:
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> Please feel free to add any comments you may wish too.
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> Kind regards,
>
> Paul VK3TPM.
>

8655. hey

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-21 19:53:59 UTC
From: Ron Anderson
Topic: 8655 Message: 8655

this is pretty intense you should give it a look
http://www.consumernews7si.net/work/?article=24575

8656. Re:

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-22 00:11:49 UTC
From: Ron Anderson
Topic: 8656 Message: 8656

here take a look at this http://www.consumernews7si.net/work/?finance=80315

8657. Odd Tuning Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-22 02:38:49 UTC
From: w7zb
Topic: 8657 Message: 8657

My 565 has developed a problem I have never seen before. When tuning the VFOA dial slowly, usually everything tunes as normal. When moving the knob not slowly, it seems to lock on a frequency and not move. Happens on all bands, and when step is 10 or 100. Then it stops happening and tunes normally. Tried rebooting, same. Haven't tried any kind of reset. You guys seen this before? Tried a search....Thanks, Mark, W7ZB

8658. Re: Odd Tuning Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-22 05:26:16 UTC
From: pa1ap
Topic: 8657 Message: 8658

Hi Mark,

Weird problem! From what you describe it seems some sort of vfo lockout.

Couple of questions if I may ask;

1- it only happens when step size is 10 or 100hz?
2- do you use X step size to switch from 10 to 100? Or is is clean 10 to 100?
3- you state the problem goes away as well... under which condition?
4- lock up means... frequency display freezes? Nothing works?
5- when you spin the vfo is the lockup the last active frequency?
6- does the receiver / transmitter still work during lockup?
7- using remote control software of any kind? If so what program? When nothing connected (read no serial cable) still same happening?
8- is the problem always there (at choice and depending vfo spin speed)?

Best regards, onno

--- In orion565@yahoogroups.com, "w7zb" <wa7eqw@...> wrote:
>
> My 565 has developed a problem I have never seen before. When tuning the VFOA dial slowly, usually everything tunes as normal. When moving the knob not slowly, it seems to lock on a frequency and not move. Happens on all bands, and when step is 10 or 100. Then it stops happening and tunes normally. Tried rebooting, same. Haven't tried any kind of reset. You guys seen this before? Tried a search....Thanks, Mark, W7ZB
>

8659. Re: [orion565] Odd Tuning Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-22 11:21:25 UTC
From: Barry N1EU
Topic: 8657 Message: 8659

Sounds like a bad encoder. If it's possible, I'd want to try flipping the cables going to the two tuning encoders and see if the problem stays with VFOA or switches to VFOB.

73/GL,
Barry N1EU

On Sat, Sep 22, 2012 at 2:38 AM, w7zb <wa7eqw@...> wrote:

> **
>
>
> My 565 has developed a problem I have never seen before. When tuning the
> VFOA dial slowly, usually everything tunes as normal. When moving the knob
> not slowly, it seems to lock on a frequency and not move. Happens on all
> bands, and when step is 10 or 100. Then it stops happening and tunes
> normally. Tried rebooting, same. Haven't tried any kind of reset. You guys
> seen this before? Tried a search....Thanks, Mark, W7ZB
>
>
>

[Non-text portions of this message have been removed]

8662. Remote pod and cables for Orion2

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-23 14:25:05 UTC
From: PY2KD
Topic: 8662 Message: 8662

Dear friends, I am looking for , used or new.

Luiz / PY2kd

8663. Re: Odd Tuning Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-24 02:48:20 UTC
From: w7zb
Topic: 8657 Message: 8663

Onno...Thanks for your time and attention. Thankfully, this problem has disappeared after the first evening it was happening. Couldnt test some of your questions/suggestions, but I am not complaining. Will let you know if it returns....Thanks...Mark W7ZB

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
>
> Hi Mark,
>
> Weird problem! From what you describe it seems some sort of vfo lockout.
>
> Couple of questions if I may ask;
>
> 1- it only happens when step size is 10 or 100hz?
> 2- do you use X step size to switch from 10 to 100? Or is is clean 10 to 100?
> 3- you state the problem goes away as well... under which condition?
> 4- lock up means... frequency display freezes? Nothing works?
> 5- when you spin the vfo is the lockup the last active frequency?
> 6- does the receiver / transmitter still work during lockup?
> 7- using remote control software of any kind? If so what program? When nothing connected (read no serial cable) still same happening?
> 8- is the problem always there (at choice and depending vfo spin speed)?
>
> Best regards, onno
>
>
> --- In orion565@yahoogroups.com, "w7zb" <wa7eqw@> wrote:
> >
> > My 565 has developed a problem I have never seen before. When tuning the VFOA dial slowly, usually everything tunes as normal. When moving the knob not slowly, it seems to lock on a frequency and not move. Happens on all bands, and when step is 10 or 100. Then it stops happening and tunes normally. Tried rebooting, same. Haven't tried any kind of reset. You guys seen this before? Tried a search....Thanks, Mark, W7ZB
> >
>

8664. Re: Odd Tuning Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-24 04:54:21 UTC
From: pa1ap
Topic: 8657 Message: 8664

No problem. When it happens again please let us know and we can try duplicating the problem. Best regards, onno

--- In orion565@yahoogroups.com, "w7zb" <wa7eqw@...> wrote:
>
> Onno...Thanks for your time and attention. Thankfully, this problem has disappeared after the first evening it was happening. Couldnt test some of your questions/suggestions, but I am not complaining. Will let you know if it returns....Thanks...Mark W7ZB
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> >
> > Hi Mark,
> >
> > Weird problem! From what you describe it seems some sort of vfo lockout.
> >
> > Couple of questions if I may ask;
> >
> > 1- it only happens when step size is 10 or 100hz?
> > 2- do you use X step size to switch from 10 to 100? Or is is clean 10 to 100?
> > 3- you state the problem goes away as well... under which condition?
> > 4- lock up means... frequency display freezes? Nothing works?
> > 5- when you spin the vfo is the lockup the last active frequency?
> > 6- does the receiver / transmitter still work during lockup?
> > 7- using remote control software of any kind? If so what program? When nothing connected (read no serial cable) still same happening?
> > 8- is the problem always there (at choice and depending vfo spin speed)?
> >
> > Best regards, onno
> >
> >
> > --- In orion565@yahoogroups.com, "w7zb" <wa7eqw@> wrote:
> > >
> > > My 565 has developed a problem I have never seen before. When tuning the VFOA dial slowly, usually everything tunes as normal. When moving the knob not slowly, it seems to lock on a frequency and not move. Happens on all bands, and when step is 10 or 100. Then it stops happening and tunes normally. Tried rebooting, same. Haven't tried any kind of reset. You guys seen this before? Tried a search....Thanks, Mark, W7ZB
> > >
> >
> >
>

8665. Re: [orion565] Odd Tuning Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-24 09:48:16 UTC
From: Barry N1EU
Topic: 8657 Message: 8665

It could also be oxidation in the VFOA encoder connection and a little
DeOxit would help if it reappears.

Barry N1EU

On Sat, Sep 22, 2012 at 11:21 AM, Barry N1EU <barry.n1eu@...> wrote:

> Sounds like a bad encoder. If it's possible, I'd want to try flipping the
> cables going to the two tuning encoders and see if the problem stays with
> VFOA or switches to VFOB.
>
> 73/GL,
> Barry N1EU
>
>
> On Sat, Sep 22, 2012 at 2:38 AM, w7zb <wa7eqw@...> wrote:
>
>> **
>>
>>
>> My 565 has developed a problem I have never seen before. When tuning the
>> VFOA dial slowly, usually everything tunes as normal. When moving the knob
>> not slowly, it seems to lock on a frequency and not move. Happens on all
>> bands, and when step is 10 or 100. Then it stops happening and tunes
>> normally. Tried rebooting, same. Haven't tried any kind of reset. You guys
>> seen this before? Tried a search....Thanks, Mark, W7ZB
>>
>>
>>
>
>

[Non-text portions of this message have been removed]

8666. Battery failure

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-24 17:19:51 UTC
From: amfone20000
Topic: 8666 Message: 8666

Hello

MY 2003 Orion came on today with the message "Battery Failure". Any advice from anyone appreciated. I've used this radio very little but picked it up new.
Thanks
73 Tim
WB8UHZ

8667. Re: [orion565] Battery failure

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-24 18:00:40 UTC
From: Don Crotsenburg
Topic: 8666 Message: 8667

Mine did that and I changed the battery out now all is ok.
You can get them from TT for about $10+ shipping or you can also get them from Mouser about half that. Do a surch hr and you can get the number.
Don, W5KG

From: amfone20000 <amfone20000@...>
To: orion565@yahoogroups.com
Sent: Monday, September 24, 2012 12:19 PM
Subject: [orion565] Battery failure

Hello

MY 2003 Orion came on today with the message "Battery Failure". Any advice from anyone appreciated. I've used this radio very little but picked it up new.
Thanks
73 Tim
WB8UHZ

[Non-text portions of this message have been removed]

8668. Re: [orion565] Battery failure

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-24 18:12:10 UTC
From: amfone
Topic: 8666 Message: 8668

Don

Thanks...where is the battery located and how hard is it to change it?

Thanks Tim
WB8UHZ

From: Don Crotsenburg <w5kg@...>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Sent: Monday, September 24, 2012 2:00 PM
Subject: Re: [orion565] Battery failure

Mine did that and I changed the battery out now all is ok.
You can get them from TT for about $10+ shipping or you can also get them from Mouser about half that. Do a surch hr and you can get the number.
Don, W5KG

From: amfone20000 <amfone20000@...>
To: orion565@yahoogroups.com
Sent: Monday, September 24, 2012 12:19 PM
Subject: [orion565] Battery failure

Hello

MY 2003 Orion came on today with the message "Battery Failure". Any advice from anyone appreciated. I've used this radio very little but picked it up new.
Thanks
73 Tim
WB8UHZ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8669. Re: [orion565] Battery failure

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-24 18:32:26 UTC
From: Barry N1EU
Topic: 8666 Message: 8669

http://www.tentecwiki.org/doku.php?id=565battery

On Mon, Sep 24, 2012 at 6:12 PM, amfone <amfone20000@...> wrote:

> **
>
>
> Don
>
> Thanks...where is the battery located and how hard is it to change it?
>
> Thanks Tim
> WB8UHZ
>
> _____
> From: Don Crotsenburg <w5kg@...>
> To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
> Sent: Monday, September 24, 2012 2:00 PM
> Subject: Re: [orion565] Battery failure
>
>
>
>
> Mine did that and I changed the battery out now all is ok.
> You can get them from TT for about $10+ shipping or you can also get them
> from Mouser about half that. Do a surch hr and you can get the number.
> Don, W5KG
>
> _____
> From: amfone20000 <amfone20000@...>
> To: orion565@yahoogroups.com
> Sent: Monday, September 24, 2012 12:19 PM
> Subject: [orion565] Battery failure
>
>
>
> Hello
>
> MY 2003 Orion came on today with the message "Battery Failure". Any advice
> from anyone appreciated. I've used this radio very little but picked it up
> new.
> Thanks
> 73 Tim
> WB8UHZ
>

> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

8670. Battery

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-25 01:41:31 UTC
From: amfone20000
Topic: 8670 Message: 8670

Thanks for the site and info.

Tim
WB8UHZ

8671. Balun 3229 for tuner 229b

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-26 00:25:10 UTC
From: PY2KD
Topic: 8671 Message: 8671

I AM looking for.
Regards
Luiz

8672. Orion 1 565 No transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-26 17:23:41 UTC
From: force2ak
Topic: 8672 Message: 8672

Hello, had a problem with no transmit the radio was doing funny things like the sweep function was a patten all thru the scale it didn't look like a signal. So I did a master reset and the ram clear reset it did not help the same problem no transmit, So I just turned the Orion off. The next day I tryed it again and the Orion was woking like it should like it never had a problem. not sure how it fixed itself !
Just wondering if maybe the battery is getting weak, any information
would be appreciated, Also I did a few master reset's and ram clears
with no results of fixing the problem.

Thanks - Alan

8673. Re: Orion 1 565 No transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-26 17:32:22 UTC
From: pa1ap
Topic: 8672 Message: 8673

I suggest to report back when it happens again. You might have observed a crash due to static discharge or something like that. I have not, seen this happening before except when there was a static discharge... when that happens everything could happen.... regards, onno

--- In orion565@yahoogroups.com, "force2ak" <force2ak@...> wrote:
>
> Hello, had a problem with no transmit the radio was doing funny things like the sweep function was a patten all thru the scale it didn't look like a signal. So I did a master reset and the ram clear reset it did not help the same problem no transmit, So I just turned the Orion off. The next day I tryed it again and the Orion was woking like it should
> like it never had a problem. not sure how it fixed itself !
> Just wondering if maybe the battery is getting weak, any information
> would be appreciated, Also I did a few master reset's and ram clears
> with no results of fixing the problem.
>
> Thanks - Alan
>

8675. Re: [orion565] Orion 1 565 No transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-26 20:22:24 UTC
From: wolfmanjack@charter.net
Topic: 8672 Message: 8675

I have a fresh battery and a new 566...and weird stuff still happens,
hi. But replacing your battery is your best bet...

73, John K7FD

On Wed, Sep 26, 2012 at 11:40 AM, catfishtwo@... wrote:

When the memory battery gets sour, all kinds of weird stuff
happens.. easy
and cheap fix.

In a message dated 9/26/2012 10:23:47 A.M. Pacific Daylight Time,
force2ak@yahoo.com
<javascript:parent.wgMail.openComposeWindow('force2ak@...')>
writes:

Hello, had a problem with no transmit the radio was doing funny things
like the sweep function was a patten all thru the scale it didn't look
like a
signal. So I did a master reset and the ram clear reset it did not help
the
same problem no transmit, So I just turned the Orion off. The next day
I
tryed it again and the Orion was woking like it should
like it never had a problem. not sure how it fixed itself !
Just wondering if maybe the battery is getting weak, any information
would be appreciated, Also I did a few master reset's and ram clears
with no results of fixing the problem.

Thanks - Alan

Yahoo! Groups Links

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('force2ak@...')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

8676. Centurion 422

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-27 19:17:52 UTC
From: ki4ps
Topic: 8676 Message: 8676

Having an issue with my Centurion. Amp turns on and lights up. When turned on, but not keyed up, the Ig (grid current) shows about 260 ma. It should read zero. If you select the Ep position it does not show the 3100 volts.

The amp puts out about 1300 watts, and seems to work fine. The meter does not show any FWD indication, however, the Peak Power LED's work. In REF the meter does show indication.

Not sure if it's the QSK board or not. TenTec was no help. They just told me to send it in.

Jerry
ki4ps

8677. Poll results for orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-09-29 07:31:27 UTC
From: orion565@yahoogroups.com
Topic: 3087 Message: 8677

The following orion565 poll is now closed. Here are the
final results:

POLL QUESTION: If you could include more functionality to the yahoo forum platform what would you like to see included?

P.s. this poll is about the yahoo forum functionality and not about the forum members.

CHOICES AND RESULTS
- being able to assign discussions to a category would be great, 5 votes, 18.52%
- being able to link files, fotos to an discussion would be great, 8 votes, 29.63%
- being able to select a particular view on category, popularity. etc would be great, 4 votes, 14.81%
- yahoo forum structure is just fine as it is, 8 votes, 29.63%
- being able to vote popular discussion would be great, 2 votes, 7.41%

For more information about this group, please visit
http://groups.yahoo.com/group/orion565

For help with Yahoo! Groups, please visit
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.html

8678. Orion II Main Receiver

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-01 14:50:19 UTC
From: joe_word
Topic: 8678 Message: 8678

Did TT change the MAIN receiver in the Orion II a year or so ago to a different one based on the Eagle? I am not talking about the sub-receiver.

Joe N9VX

8679. Re: [orion565] Orion II Main Receiver

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-01 15:20:41 UTC
From: Barry N1EU
Topic: 8678 Message: 8679

no

On Mon, Oct 1, 2012 at 2:50 PM, joe_word <joe_word@...> wrote:

> **
>
>
> Did TT change the MAIN receiver in the Orion II a year or so ago to a
> different one based on the Eagle? I am not talking about the sub-receiver.
>
> Joe N9VX
>
>
>

[Non-text portions of this message have been removed]

8680. Had to reset Orion have questions on agc settings.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-06 05:12:56 UTC
From: amfone20000
Topic: 8680 Message: 8680

Main Agc hang time any suggestion on an appropriate number

slow decay time any suggestions

Threshold for main receiver any suggestions

Any other suggestions much appreciated. I just needed to change the battery in the original Orion for the first time and lost my settings.

73 Tim
wb8uh

8681. Re: Had to reset Orion have questions on agc settings.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-09 19:55:30 UTC
From: pa1ap
Topic: 8680 Message: 8681

Hello Tim,

You seem to have used the different agc modes to rotate through certain settings to arrive at quick setting. There is a spreadsheet in the file section which captures settings other hams have used. Hope this provides information to help you moving forward.

Moving agc activation point above undesired signal would in most cases be sufficient to arrive at good quality audio. Depending on dynamic range and mode of operation the hang time and decay time might smooth the audio a bit more during local rounds. Agc would become a bit more sticky / lazy doing so. Not good if you need to copy quick cw sequences with varying signal strengths.

I became more relaxed about agc and just look at undesired signal level and turn down rf gain until s meter exceeds undesired level. Takes a few seconds. Agc mode slow for local chat, agc medium for significant signal variation and sometimes agc fast. Small adjustment within agc slow with hang time (100mS) to soften the normalization.

Perhaps its worth to backup your settings to ensure you can restore them after a reset event.

Best regards, onno

--- In orion565@yahoogroups.com, "amfone20000" <amfone20000@...> wrote:
>
> Main Agc hang time any suggestion on an appropriate number
>
> slow decay time any suggestions
>
> Threshold for main receiver any suggestions
>
> Any other suggestions much appreciated. I just needed to change the battery in the original Orion for the first time and lost my settings.
>
> 73 Tim
> wb8uh
>

8682. Re: [orion565] Re: Had to reset Orion have questions on agc settings.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-09 20:08:32 UTC
From: Barry N1EU
Topic: 8680 Message: 8682

Agree with Onno. Forget about AGC obsession, it's all nonsense - turn UP
AF Gain, turn DOWN RF Gain and relax/enjoy.

73,
Barry N1EU

On Tue, Oct 9, 2012 at 7:55 PM, pa1ap <pa1ap@...> wrote:

> **
>
>
> Hello Tim,
>
> You seem to have used the different agc modes to rotate through certain
> settings to arrive at quick setting. There is a spreadsheet in the file
> section which captures settings other hams have used. Hope this provides
> information to help you moving forward.
>
> Moving agc activation point above undesired signal would in most cases be
> sufficient to arrive at good quality audio. Depending on dynamic range and
> mode of operation the hang time and decay time might smooth the audio a bit
> more during local rounds. Agc would become a bit more sticky / lazy doing
> so. Not good if you need to copy quick cw sequences with varying signal
> strengths.
>
> I became more relaxed about agc and just look at undesired signal level
> and turn down rf gain until s meter exceeds undesired level. Takes a few
> seconds. Agc mode slow for local chat, agc medium for significant signal
> variation and sometimes agc fast. Small adjustment within agc slow with
> hang time (100mS) to soften the normalization.
>
> Perhaps its worth to backup your settings to ensure you can restore them
> after a reset event.
>
> Best regards, onno
>
>
> --- In orion565@yahoogroups.com, "amfone20000" <amfone20000@...> wrote:
> >
> > Main Agc hang time any suggestion on an appropriate number
> >
> > slow decay time any suggestions
> >
> > Threshold for main receiver any suggestions
> >
> > Any other suggestions much appreciated. I just needed to change the

> battery in the original Orion for the first time and lost my settings.
> >
> > 73 Tim
> > wb8uh
> >
>
>
>

[Non-text portions of this message have been removed]

8683. Firmware update take forever....

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-11 12:01:12 UTC
From: va2na77
Topic: 8683 Message: 8683

Hello, i have a orion I version 2.04b and i want to update it to v3 but...

It take forever past 1420 line to process.....i have try 2 different version on 2 different computer...still the same.

I have also change serial setting for the sugested one on the forum..

Any help?

Va2na

8684. Re: Firmware update take forever....

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-11 18:31:48 UTC
From: k1fpv
Topic: 8683 Message: 8684

What version of Windows do you have on the computers you are using? I had Windows XP on mine and found it took a long time with my Orion II as well as my Omni VII. I upgraded one of the computers to Windows 7 and now they both fly when I update though I haven't had to update anything in a few months.

Bill/K1FPV

--- In orion565@yahoogroups.com, "va2na77" <va2na@...> wrote:
>
> Hello, i have a orion I version 2.04b and i want to update it to v3 but...
>
> It take forever past 1420 line to process.....i have try 2 different version on 2 different computer...still the same.
>
> I have also change serial setting for the sugested one on the forum..
>
>
> Any help?
>
> Va2na
>

8685. Re: Firmware update take forever....

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-11 19:51:46 UTC
From: pa1ap
Topic: 8683 Message: 8685

Would be good to know the windows version indeed. Besides windows version can you share how the orion is connected? Using usb based serial port

Oldest OS I have used regulary is windows xp with usb srrial cable abd the update takes a couple of minutes.

The firmware update routine will send a string to the orion, wait for confirmation, checks crc value and then goes to next segment. In case the serial cable does not have hardware handshake wires connected this might cause issues and hence the sequence might break.

If you like to test you could install the serial tester program to see if the serial cable works as it should be. After connection test you need to start the memory sequence test which 9 out of 10 will trigger cts.. if you see cts changing the wires are fine. If not you might have incomplete wiring.

Best regardd, onno

--- In orion565@yahoogroups.com, "k1fpv" <k1fpv@...> wrote:
>
> What version of Windows do you have on the computers you are using? I had Windows XP on mine and found it took a long time with my Orion II as well as my Omni VII. I upgraded one of the computers to Windows 7 and now they both fly when I update though I haven't had to update anything in a few months.
>
> Bill/K1FPV
>
>
>
> --- In orion565@yahoogroups.com, "va2na77" <va2na@> wrote:
> >
> > Hello, i have a orion I version 2.04b and i want to update it to v3 but...
> >
> > It take forever past 1420 line to process.....i have try 2 different version on 2 different computer...still the same.
> >
> > I have also change serial setting for the sugested one on the forum..
> >
> >
> > Any help?
> >
> > Va2na
> >
>

8686. Re: Firmware update take forever....

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-11 20:22:26 UTC
From: va2na77
Topic: 8683 Message: 8686

Hi and thank for the reply.

I have try on 3 different computer..all running Windows XP. 2 of the computer have build in serial interface and the other one was with a usb to serial converter. At this time, i have try 2 different serial cable, and they are commercial cable.

Where can i get the serial tester?

Guillaume

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Would be good to know the windows version indeed. Besides windows version can you share how the orion is connected? Using usb based serial port
>
> Oldest OS I have used regulary is windows xp with usb srrial cable abd the update takes a couple of minutes.
>
> The firmware update routine will send a string to the orion, wait for confirmation, checks crc value and then goes to next segment. In case the serial cable does not have hardware handshake wires connected this might cause issues and hence the sequence might break.
>
> If you like to test you could install the serial tester program to see if the serial cable works as it should be. After connection test you need to start the memory sequence test which 9 out of 10 will trigger cts.. if you see cts changing the wires are fine. If not you might have incomplete wiring.
>
> Best regardd, onno
>
>
> --- In orion565@yahoogroups.com, "k1fpv" <k1fpv@> wrote:
> >
> > What version of Windows do you have on the computers you are using? I had Windows XP on mine and found it took a long time with my Orion II as well as my Omni VII. I upgraded one of the computers to Windows 7 and now they both fly when I update though I haven't had to update anything in a few months.
> >
> > Bill/K1FPV
> >
> >
> >
> > --- In orion565@yahoogroups.com, "va2na77" <va2na@> wrote:
> > >
> > > Hello, i have a orion I version 2.04b and i want to update it to v3 but...
> > >

> > > It take forever past 1420 line to process.....i have try 2 different version on 2 different computer...still the same.
> > >
> > > I have also change serial setting for the sugested one on the forum..
> > >
> > >
> > > Any help?
> > >
> > > Va2na
> > >
> >
>

8687. Re: Firmware update take forever....

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-11 20:42:04 UTC
From: va2na77
Topic: 8683 Message: 8687

Ok, i just found and install the program.

All test pass, 10x test also on ant toggle and version request... The real time cts stay green all the time in the windows..

I use the usb cable direct on the back of the orion...usb cable to orion ..no intercable

Guillaume

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Would be good to know the windows version indeed. Besides windows version can you share how the orion is connected? Using usb based serial port
>
> Oldest OS I have used regulary is windows xp with usb srrial cable abd the update takes a couple of minutes.
>
> The firmware update routine will send a string to the orion, wait for confirmation, checks crc value and then goes to next segment. In case the serial cable does not have hardware handshake wires connected this might cause issues and hence the sequence might break.
>
> If you like to test you could install the serial tester program to see if the serial cable works as it should be. After connection test you need to start the memory sequence test which 9 out of 10 will trigger cts.. if you see cts changing the wires are fine. If not you might have incomplete wiring.
>
> Best regardd, onno
>
>
> --- In orion565@yahoogroups.com, "k1fpv" <k1fpv@> wrote:
> >
> > What version of Windows do you have on the computers you are using? I had Windows XP on mine and found it took a long time with my Orion II as well as my Omni VII. I upgraded one of the computers to Windows 7 and now they both fly when I update though I haven't had to update anything in a few months.
> >
> > Bill/K1FPV
> >
> >
> >
> > --- In orion565@yahoogroups.com, "va2na77" <va2na@> wrote:
> > >
> > > Hello, i have a orion I version 2.04b and i want to update it to v3 but...
> > >
> > > It take forever past 1420 line to process.....i have try 2 different version on 2

different computer...still the same.
> > >
> > > I have also change serial setting for the sugested one on the forum..
> > >
> > >
> > > Any help?
> > >
> > > Va2na
> > >
> >
>

8688. RE: [orion565] Re: Firmware update take forever....

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-11 20:46:09 UTC
From: John T. Fleming
Topic: 8683 Message: 8688

Guillaume,

I had trouble once loading an upgrade. Being somewhat of a geek, I did what I would tell people with trouble.

1. I rebooted my computer with a cold reboot. (shut down, wait a bit, and then restart.)

2. I did a master reset to the rig.

After doing both of these, everything work great. I don't know what the problem was, but it just worked!

I would also check the driver for your USB to serial cable to see if there are updates.

Good luck and 73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of va2na77
Sent: Thursday, October 11, 2012 4:22 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Firmware update take forever....

Hi and thank for the reply.

I have try on 3 different computer..all running Windows XP. 2 of the computer have build in serial interface and the other one was with a usb to serial converter. At this time, i have try 2 different serial cable, and they are commercial cable.

Where can i get the serial tester?

Guillaume

[Non-text portions of this message have been removed]

8689. Re: Firmware update take forever....

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-11 21:50:13 UTC
From: va2na77
Topic: 8683 Message: 8689

Hi John,

Look like i will never get this radio on V3 :-(

Just tested it with my wife Windows 7 laptop and usb cable.. Something strange happen, on this computer i have the VERIFY icon working..the 3 other don't.. When i load the update file, program do nothing....

RAM board damaged? ...

No more idea..

Guillaume

--- In orion565@yahoogroups.com, "John T. Fleming" <john@...> wrote:
>
> Guillaume,
>
>
>
> I had trouble once loading an upgrade. Being somewhat of a geek, I did what
> I would tell people with trouble.
>
>
>
> 1. I rebooted my computer with a cold reboot. (shut down, wait a bit, and
> then restart.)
>
> 2. I did a master reset to the rig.
>
>
>
> After doing both of these, everything work great. I don't know what the
> problem was, but it just worked!
>
>
>
> I would also check the driver for your USB to serial cable to see if there
> are updates.
>
>
>
> Good luck and 73,
>
> John
>

>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of va2na77
> Sent: Thursday, October 11, 2012 4:22 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Firmware update take forever....
>
>
>
>
>
> Hi and thank for the reply.
>
> I have try on 3 different computer..all running Windows XP. 2 of the
> computer have build in serial interface and the other one was with a usb to
> serial converter. At this time, i have try 2 different serial cable, and
> they are commercial cable.
>
> Where can i get the serial tester?
>
> Guillaume
>
>
>
> [Non-text portions of this message have been removed]
>

8690. RE: [orion565] Re: Firmware update take forever....

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-12 01:21:54 UTC
From: John T. Fleming
Topic: 8683 Message: 8690

Guillaume,

If you are running Windows 7, Right click on the Orion Update program icon in the Start menu and select "Run as Administrator." UAC settings may be the problem.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of va2na77
Sent: Thursday, October 11, 2012 5:50 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Firmware update take forever....

Hi John,

Look like i will never get this radio on V3 :-(

Just tested it with my wife Windows 7 laptop and usb cable.. Something strange happen, on this computer i have the VERIFY icon working..the 3 other don't.. When i load the update file, program do nothing....

RAM board damaged? ...

No more idea..

Guillaume

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "John T. Fleming" <john@...> wrote:
>
> Guillaume,
>
>
>
> I had trouble once loading an upgrade. Being somewhat of a geek, I did what
> I would tell people with trouble.
>
>
>
> 1. I rebooted my computer with a cold reboot. (shut down, wait a bit, and
> then restart.)
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> 2. I did a master reset to the rig.
>

>
>
> After doing both of these, everything work great. I don't know what the
> problem was, but it just worked!
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>
>
> I would also check the driver for your USB to serial cable to see if there
> are updates.
>
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>
> Good luck and 73,
>
> John
>
>
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
Behalf
> Of va2na77
> Sent: Thursday, October 11, 2012 4:22 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] Re: Firmware update take forever....
>
>
>
>
>
>
> Hi and thank for the reply.
>
> I have try on 3 different computer..all running Windows XP. 2 of the
> computer have build in serial interface and the other one was with a usb
to
> serial converter. At this time, i have try 2 different serial cable, and
> they are commercial cable.
>
> Where can i get the serial tester?
>
> Guillaume
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

8691. Bit The Bullet

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-12 06:22:24 UTC
From: Paul
Topic: 8691 Message: 8691

Hello to the group.

I finally bit the bullet. Ordered a new 566 with the super sub-receiver, fully kitted out, with lots of accessories. It arrived yesterday, which has found me sizing up crimp lugs for the power cables to connect to my power supply. Unit has not been powered up as yet. Hopefully this will be accomplished when I come home from work tomorrow, I will then see its glorious display.

Thank you to all who replied to my emails, on and offline. I am led to believe that this Orion is the 25th in Australia. A bit of a gamble into the unknown, though I am looking forward to many happy years behind its wheels.

Now for an antenna and some QSL cards.

Kind regards,

Paul.

8692. Re: Firmware update take forever....

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-12 13:19:08 UTC
From: va2na77
Topic: 8683 Message: 8692

Finally find the problem and radio is updated...
I feel so stupid...i just " FORGET" to put radio in update mode....

damw.......

Guillaume

--- In orion565@yahoogroups.com, "John T. Fleming" <john@...> wrote:
>
> Guillaume,
>
>
>
> If you are running Windows 7, Right click on the Orion Update program icon
> in the Start menu and select "Run as Administrator." UAC settings may be the
> problem.
>
>
>
> 73,
>
> John
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of va2na77
> Sent: Thursday, October 11, 2012 5:50 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Firmware update take forever....
>
>
>
>
>
>
> Hi John,
>
> Look like i will never get this radio on V3 :-(
>
> Just tested it with my wife Windows 7 laptop and usb cable.. Something
> strange happen, on this computer i have the VERIFY icon working..the 3 other
> don't.. When i load the update file, program do nothing....
>
> RAM board damaged? ...
>
> No more idea..

>
> Guillaume
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "John
> T. Fleming" <john@> wrote:
> >
> > Guillaume,
> >
> >
> >
> > I had trouble once loading an upgrade. Being somewhat of a geek, I did
> what
> > I would tell people with trouble.
> >
> >
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> > 2. I did a master reset to the rig.
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> > problem was, but it just worked!
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> >
> >
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> > are updates.
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> >
> >
> > Good luck and 73,
> >
> > John
> >
> >
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> Behalf
> > Of va2na77
> > Sent: Thursday, October 11, 2012 4:22 PM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > Subject: [orion565] Re: Firmware update take forever....
> >
> >
> >
> >

> >
> > Hi and thank for the reply.
> >
> > I have try on 3 different computer..all running Windows XP. 2 of the
> > computer have build in serial interface and the other one was with a usb
> to
> > serial converter. At this time, i have try 2 different serial cable, and
> > they are commercial cable.
> >
> > Where can i get the serial tester?
> >
> > Guillaume
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
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>
> [Non-text portions of this message have been removed]
>

8693. RE: [orion565] Bit The Bullet

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-12 13:38:53 UTC
From: wolfmanjack@charter.net
Topic: 8691 Message: 8693

Let your ears not eyes be the judge, Paul...beauty is in the eye of the beholder, but performance is in the ear of all...

Have fun!

73 John K7FD

On Thu, Oct 11, 2012 at 11:22 PM, Paul wrote:

Hello to the group.

I finally bit the bullet. Ordered a new 566 with the super sub-receiver, fully kitted out, with lots of accessories. It arrived yesterday, which has found me sizing up crimp lugs for the power cables to connect to my power supply. Unit has not been powered up as yet. Hopefully this will be accomplished when I come home from work tomorrow, I will then see its glorious display.

Thank you to all who replied to my emails, on and offline. I am led to believe that this Orion is the 25th in Australia. A bit of a gamble into the unknown, though I am looking forward to many happy years behind its wheels.

Now for an antenna and some QSL cards.

Kind regards,

Paul.

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

8694. Re: Firmware update take forever....

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-12 18:02:10 UTC
From: k1fpv
Topic: 8683 Message: 8694

I went for broke. I bought a Dell XPS, with the fastest processor I could get, max memory etc. I put a 2 Serial port/1 parallel port PCIe card in the computer I bought from a reliable supplier on eBay, and whatever I attach to that computer, flies.

I also put 2 Serial/USB adapters to run my RX-350 and RX-340 with the N4PY software. They work great too! I run the DRM software with the 2 receivers and it works fine too. I've yet to see any conflicts or have any software not function properly. I've had the computer now for about 6 months without issue.

Bill/K1FPV

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Would be good to know the windows version indeed. Besides windows version can you share how the orion is connected? Using usb based serial port
>
> Oldest OS I have used regulary is windows xp with usb srrial cable abd the update takes a couple of minutes.
>
> The firmware update routine will send a string to the orion, wait for confirmation, checks crc value and then goes to next segment. In case the serial cable does not have hardware handshake wires connected this might cause issues and hence the sequence might break.
>
> If you like to test you could install the serial tester program to see if the serial cable works as it should be. After connection test you need to start the memory sequence test which 9 out of 10 will trigger cts.. if you see cts changing the wires are fine. If not you might have incomplete wiring.
>
> Best regardd, onno
>
>
> --- In orion565@yahoogroups.com, "k1fpv" <k1fpv@> wrote:
> >
> > What version of Windows do you have on the computers you are using? I had Windows XP on mine and found it took a long time with my Orion II as well as my Omni VII. I upgraded one of the computers to Windows 7 and now they both fly when I update though I haven't had to update anything in a few months.
> >
> > Bill/K1FPV
> >
> >
> >
> > --- In orion565@yahoogroups.com, "va2na77" <va2na@> wrote:
> > >
> > > Hello, i have a orion I version 2.04b and i want to update it to v3 but...

> > >
> > > It take forever past 1420 line to process.....i have try 2 different version on 2 different computer...still the same.
> > >
> > > I have also change serial setting for the sugested one on the forum..
> > >
> > >
> > > Any help?
> > >
> > > Va2na
> > >
> >
>

8695. Re:

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-12 19:33:48 UTC
From: art davis
Topic: 8695 Message: 8695

I recommend this site
http://www.ramiro.barcelo.nom.br/work.group.invite.php?yahooID=omihywatjfjsaz

[Non-text portions of this message have been removed]

8696. Re: [orion565] Re:

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-12 23:42:35 UTC
From: Sam W Jacobs CET
Topic: 8695 Message: 8696

Again, looks like junk mail to me. Another hi-jacked account. Wow !

73 !

Sam
K3SAM

From: art davis <n4uc@...>
To: rnwalker@...; no5w@...; n4kh@...; jeffery.w.wesley@...; logs@...; steven.l.luna@...; aa4nu@...; k4bai@...; duncant1@...; ts-940@yahoogroups.com; ve7tk@...; n8deu@...; ralphblinn@...; adavis1972@...; bronaylor@...; ts-590-unsubscribe@yahoogroups.com; orion565@yahoogroups.com; john.davis@...; pa1ap@...; logs@...; tturley@...; k8ki@...; salmonrun@...g; clewis@...; ky5rtim@...; jdavis3311@...; n4da@mindspring.com; jshenry1963@...
Sent: Friday, October 12, 2012 3:33 PM
Subject: [orion565] Re:

I recommend this site
http://www.ramiro.barcelo.nom.br/work.group.invite.php?yahooID=omihywatjfjsaz

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8697. For Sale Ten Tec Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-13 14:26:47 UTC
From: w4to
Topic: 8697 Message: 8697

Radio has 1.8KC and 400Hz filters installed. Is equipped with the external cooling fan kit. This radio has no scratches or blemishes. Includes manual, complete spare parts kit, and and original shipping container. Used in non-smoking environment.
$1500.00 plus shipping. Pay Pal accepted.

Don...W4TO
email w4to@...
Phone 865-556-6390

8698. Automatic Antenna Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-19 13:55:59 UTC
From: Marty
Topic: 8698 Message: 8698

I bought my 566 new in March of this year and love the rig greatly. The antenna tuner has always seemed "weird" and not acted in a way that I was used to as many other automatic antenna tuners I've used. With my tried and true doublet (Balun Designs 4:1 connected to ANT1) its worked sometimes, sometime not.

What I mean by "work" is that sometimes it tunes the antenna fine. Sometimes it doesn't tune the antenna at all. The issue is not a matter of what problems you might expect with an an automatic antenna tuner like not having enough impedance range to match the antenna. Rather, sometimes it just acts like its disabled when it is enabled.

After enabling the antenna tuner, I press "tune", rig goes into transmit with 20W out, I hear the side tone, displays shows 4.4:1 SWR. It just stays in this state, nothing changes, hear no relay action internally, just continues to transmit a steady tone with 4.4:1 displayed. Isn't it supposed to seek a minimum SWR and then switch back to receive?

My Icom rig had no problem tuning this antenna, and its my understanding the Ten Tec AT has a wider impedance range? Its really a matter of the AT acts disabled all the time. Talked to TT about this, after doing a master reset with no joy, they say I have a ground problem. I'm skeptical.

Its to the point where it used to tune sometimes but now it never tries to tune regardless of whether the AT is enabled or disabled.

I've been using my Old Palstar manual external tuner and it tunes nicely, but with SS coming up, I'd like the auto AT to work like it should.

Any ideas? 73 Marty / W4MY

8699. RE: [orion565] Automatic Antenna Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-19 14:06:57 UTC
From: Duane Calvin
Topic: 8698 Message: 8699

Has it done this right from the start, or is this a new symptom. I don't know of any reason that starting the tuning command shouldn't start the tuning relay routine. On my Orion (1), it works every time. You might call the mother ship and see what they have to say.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Marty
Sent: Friday, October 19, 2012 8:56 AM
To: orion565@yahoogroups.com
Subject: [orion565] Automatic Antenna Tuner

I bought my 566 new in March of this year and love the rig greatly. The antenna tuner has always seemed "weird" and not acted in a way that I was used to as many other automatic antenna tuners I've used. With my tried and true doublet (Balun Designs 4:1 connected to ANT1) its worked sometimes, sometime not.

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Its to the point where it used to tune sometimes but now it never tries to tune regardless of whether the AT is enabled or disabled.

I've been using my Old Palstar manual external tuner and it tunes nicely, but with SS coming up, I'd like the auto AT to work like it should.

Any ideas? 73 Marty / W4MY

Yahoo! Groups Links

8700. Re: Automatic Antenna Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-19 14:23:52 UTC
From: pa1ap
Topic: 8698 Message: 8700

Hi Marty,

Just a wild thought; do you use any remote control program with your rig?

There seem to be cases where the tuner is disabled through remote control and the actual menu settings on the orion claim opposite.

Easy to check; If you go to orion TX menu and disable / enable the tuner you should hear a click as far as I remember. The menu setting toggles the bypass relais when on / off.

Could you let us know how it goes?

Best regards, Onno

--- In orion565@yahoogroups.com, "Marty" <w4my@...> wrote:
>
> I bought my 566 new in March of this year and love the rig greatly. The antenna tuner has always seemed "weird" and not acted in a way that I was used to as many other automatic antenna tuners I've used. With my tried and true doublet (Balun Designs 4:1 connected to ANT1) its worked sometimes, sometime not.
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> Its to the point where it used to tune sometimes but now it never tries to tune regardless of whether the AT is enabled or disabled.
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> I've been using my Old Palstar manual external tuner and it tunes nicely, but with SS coming up, I'd like the auto AT to work like it should.
>
> Any ideas? 73 Marty / W4MY
>

8701. Re: [orion565] Re: Automatic Antenna Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-19 14:58:55 UTC
From: w4my@yahoo.com
Topic: 8698 Message: 8701

Onno: I will try listening for the switching relay as you describe when I get home next week (I am out of town until Monday). I don't remember hearing anything click when switching from disable to enable though.

I am not using any remote computer control at this time. I do have the comm connected to N1MM and that is passive.

I have talked to TT and they told me that if a master reset doesn't fix it (didn't) then the only other possibility is a ground problem.

I'd give that some credibility If the AT we're seeking a match and was unable to find one. That's not the problem here. It's acting disabled when in fact it is enabled. Its worked intermittently from the beginning, now it's stopped functioning all together. When I last talked to Paul at TT (when it was intermittent) I felt brushed off.

73 Marty / W4MY

On Oct 19, 2012, at 10:23, "pa1ap" <pa1ap@nextchallenge.net> wrote:

> Hi Marty,
>
> Just a wild thought; do you use any remote control program with your rig?
>
> There seem to be cases where the tuner is disabled through remote control and the actual menu settings on the orion claim opposite.
>
> Easy to check; If you go to orion TX menu and disable / enable the tuner you should hear a click as far as I remember. The menu setting toggles the bypass relais when on / off.
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> Could you let us know how it goes?
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> Best regards, Onno
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> --- In orion565@yahoogroups.com, "Marty" <w4my@...> wrote:
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> > I bought my 566 new in March of this year and love the rig greatly. The antenna tuner has always seemed "weird" and not acted in a way that I was used to as many other automatic antenna tuners I've used. With my tried and true doublet (Balun Designs 4:1 connected to ANT1) its worked sometimes, sometime not.
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> > What I mean by "work" is that sometimes it tunes the antenna fine. Sometimes it doesn't tune the antenna at all. The issue is not a matter of what problems you might expect with an an automatic antenna tuner like not having enough impedance range to match the antenna. Rather, sometimes it just acts like its disabled when it is enabled.
> >

> > After enabling the antenna tuner, I press "tune", rig goes into transmit with 20W out, I hear the side tone, displays shows 4.4:1 SWR. It just stays in this state, nothing changes, hear no relay action internally, just continues to transmit a steady tone with 4.4:1 displayed. Isn't it supposed to seek a minimum SWR and then switch back to receive?
> >
> > My Icom rig had no problem tuning this antenna, and its my understanding the Ten Tec AT has a wider impedance range? Its really a matter of the AT acts disabled all the time. Talked to TT about this, after doing a master reset with no joy, they say I have a ground problem. I'm skeptical.
> >
> > Its to the point where it used to tune sometimes but now it never tries to tune regardless of whether the AT is enabled or disabled.
> >
> > I've been using my Old Palstar manual external tuner and it tunes nicely, but with SS coming up, I'd like the auto AT to work like it should.
> >
> > Any ideas? 73 Marty / W4MY
> >
>
>

[Non-text portions of this message have been removed]

8702. Re: Automatic Antenna Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-19 20:12:24 UTC
From: pa1ap
Topic: 8698 Message: 8702

If I enable the tuner through menu, click on tune the sequence will start. When I go back to tx menu and disable the tuner I hear the click of bypass relais. If I just enable/disable through menu I dont hear click for whatever reason.

Regarding n1mm I do not know how this can operate in passive mode. In order to update logging, the program needs to query the orion. Perhaps another module inserts a tuner disable disable by mistake? I would recommend to disconnect the serial cable and test the tuner without serial control connected.

Another thought could be that the tuner control wire is not connected firmly enough. In am not sure how this wire is attached within 566. If the wire is not making contact the tuner wont activate.

Best regards, onno

--- In orion565@yahoogroups.com, w4my@... wrote:
>
> Onno: I will try listening for the switching relay as you describe when I get home next week (I am out of town until Monday). I don't remember hearing anything click when switching from disable to enable though.
>
> I am not using any remote computer control at this time. I do have the comm connected to N1MM and that is passive.
>
> I have talked to TT and they told me that if a master reset doesn't fix it (didn't) then the only other possibility is a ground problem.
>
> I'd give that some credibility If the AT we're seeking a match and was unable to find one. That's not the problem here. It's acting disabled when in fact it is enabled. Its worked intermittently from the beginning, now it's stopped functioning all together. When I last talked to Paul at TT (when it was intermittent) I felt brushed off.
>
> 73 Marty / W4MY
> -----------
>
>
> On Oct 19, 2012, at 10:23, "pa1ap" <pa1ap@...> wrote:
>
> > Hi Marty,
> >
> > Just a wild thought; do you use any remote control program with your rig?
> >
> > There seem to be cases where the tuner is disabled through remote control and the actual menu settings on the orion claim opposite.
> >
> > Easy to check; If you go to orion TX menu and disable / enable the tuner you should

hear a click as far as I remember. The menu setting toggles the bypass relais when on / off.
> >
> > Could you let us know how it goes?
> >
> > Best regards, Onno
> >
> > --- In orion565@yahoogroups.com, "Marty" <w4my@> wrote:
> > >
> > > I bought my 566 new in March of this year and love the rig greatly. The antenna tuner has always seemed "weird" and not acted in a way that I was used to as many other automatic antenna tuners I've used. With my tried and true doublet (Balun Designs 4:1 connected to ANT1) its worked sometimes, sometime not.
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> > > What I mean by "work" is that sometimes it tunes the antenna fine. Sometimes it doesn't tune the antenna at all. The issue is not a matter of what problems you might expect with an an automatic antenna tuner like not having enough impedance range to match the antenna. Rather, sometimes it just acts like its disabled when it is enabled.
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> > > After enabling the antenna tuner, I press "tune", rig goes into transmit with 20W out, I hear the side tone, displays shows 4.4:1 SWR. It just stays in this state, nothing changes, hear no relay action internally, just continues to transmit a steady tone with 4.4:1 displayed. Isn't it supposed to seek a SWR and then switch back to receive?
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> > > My Icom rig had no problem tuning this antenna, and its my understanding the Ten Tec AT has a wider impedance range? Its really a matter of the AT acts disabled all the time. Talked to TT about this, after doing a master reset with no joy, they say I have a ground problem. I'm skeptical.
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> > >
> > > Any ideas? 73 Marty / W4MY
> > >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

8703. S meter readings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-19 20:13:48 UTC
From: George
Topic: 8703 Message: 8703

Anyone check the S meter reading using a 50 micro volt input? At this level
my S meter, with pre amps off, should read S9.
My Orion2 reads S5??? I'm assuming that the preamp should be off.
With the preamp on the O2 S meter reads S8.
I'm using a Elecraft XG3 as a source.
Now I would suspect the Elecraft at fault but when I did the same test on my
Icom IC-7600 the
S meter read S9.
Anyone try the same test and what did your O2
S meter read with 50uv in?
Thanks

George W2YJ

8704. Re: Automatic Antenna Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-19 20:54:32 UTC
From: nm7x
Topic: 8698 Message: 8704

On my 565, when the tuner is "disabled" via the menu, "enabling" it again (via the menu) does not actually put the tuner back into the circuit. What it does is "enables" the TUNE button which will, when pushed, put the tuner back in the circuit as well as initiate another tuning sequence.

73, Mike, NM7X

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> If I enable the tuner through menu, click on tune the sequence will start. When I go back to tx menu and disable the tuner I hear the click of bypass relais. If I just enable/disable through menu I dont hear click for whatever reason.
>
>

8705. Re: S meter readings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-19 21:03:05 UTC
From: pa1ap
Topic: 8703 Message: 8705

The s meter seems less than accurate on the orion. Couple of items which influence s meter reading besides the pre amp. Agc mode and sub receiver on same antenna will also influence s meter reading. There is work in progress regarding the s meter calibration. Best regards, onno

--- In orion565@yahoogroups.com, "George" <goofyham@...> wrote:
>
> Anyone check the S meter reading using a 50 micro volt input? At this level
> my S meter, with pre amps off, should read S9.
> My Orion2 reads S5??? I'm assuming that the preamp should be off.
> With the preamp on the O2 S meter reads S8.
> I'm using a Elecraft XG3 as a source.
> Now I would suspect the Elecraft at fault but when I did the same test on my
> Icom IC-7600 the
> S meter read S9.
> Anyone try the same test and what did your O2
> S meter read with 50uv in?
> Thanks
>
> George W2YJ
>

8706. Re: [orion565] Re: S meter readings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-19 22:12:16 UTC
From: Barry N1EU
Topic: 8703 Message: 8706

With preamp off, my s-meter reads s9 with 50uV input. Preamp kicks the
s-meter up about 12dB.

73,
Barry N1EU

On Fri, Oct 19, 2012 at 9:03 PM, pa1ap <pa1ap@...> wrote:

> **
>
>
> The s meter seems less than accurate on the orion. Couple of items which
> influence s meter reading besides the pre amp. Agc mode and sub receiver on
> same antenna will also influence s meter reading. There is work in progress
> regarding the s meter calibration. Best regards, onno
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> --- In orion565@yahoogroups.com, "George" <goofyham@...> wrote:
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> > Anyone check the S meter reading using a 50 micro volt input? At this
> level
> > my S meter, with pre amps off, should read S9.
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> on my
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> > S meter read S9.
> > Anyone try the same test and what did your O2
> > S meter read with 50uv in?
> > Thanks
> >
> > George W2YJ
> >
>
>
>

[Non-text portions of this message have been removed]

8707. Re: [orion565] Re: Automatic Antenna Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-20 00:47:13 UTC
From: w4my@yahoo.com
Topic: 8698 Message: 8707

Onno and all:

Thank you for your suggestions. I guess n1mm being "passive" was the wrong choice of words. It must be active in order to communicate and I understand this. I meant that n1mm makes no attempt to control settings beyond freq, mode, etc. Just trying to be complete.

Moot anyway, when I was messing with this before the computer was off.

I fear I have a hard malfunction and will have to determine that for myself and somehow convince TT to send me a new AT board.

Thanks again.

73 Marty / W4MY

On Oct 19, 2012, at 16:12, "pa1ap" <pa1ap@...> wrote:

> If I enable the tuner through menu, click on tune the sequence will start. When I go back to tx menu and disable the tuner I hear the click of bypass relais. If I just enable/disable through menu I dont hear click for whatever reason.
>
> Regarding n1mm I do not know how this can operate in passive mode. In order to update logging, the program needs to query the orion. Perhaps another module inserts a tuner disable disable by mistake? I would recommend to disconnect the serial cable and test the tuner without serial control connected.
>
> Another thought could be that the tuner control wire is not connected firmly enough. In am not sure how this wire is attached within 566. If the wire is not making contact the tuner wont activate.
>
> Best regards, onno
>
> --- In orion565@yahoogroups.com, w4my@... wrote:
> >
> > Onno: I will try listening for the switching relay as you describe when I get home next week (I am out of town until Monday). I don't remember hearing anything click when switching from disable to enable though.
> >
> > I am not using any remote computer control at this time. I do have the comm connected to N1MM and that is passive.
> >
> > I have talked to TT and they told me that if a master reset doesn't fix it (didn't) then the only other possibility is a ground problem.
> >
> > I'd give that some credibility If the AT we're seeking a match and was unable to find one. That's not the problem here. It's acting disabled when in fact it is enabled. Its

worked intermittently from the beginning, now it's stopped functioning all together. When I last talked to Paul at TT (when it was intermittent) I felt brushed off.
> >
> > 73 Marty / W4MY
> > -----------
> >
> >
> > On Oct 19, 2012, at 10:23, "pa1ap" <pa1ap@...> wrote:
> >
> > > Hi Marty,
> > >
> > > Just a wild thought; do you use any remote control program with your rig?
> > >
> > > There seem to be cases where the tuner is disabled through remote control and the actual menu settings on the orion claim opposite.
> > >
> > > Easy to check; If you go to orion TX menu and disable / enable the tuner you should hear a click as far as I remember. The menu setting toggles the bypass relais when on / off.
> > >
> > > Could you let us know how it goes?
> > >
> > > Best regards, Onno
> > >
> > > --- In orion565@yahoogroups.com, "Marty" <w4my@> wrote:
> > > >
> > > > I bought my 566 new in March of this year and love the rig greatly. The antenna tuner has always seemed "weird" and not acted in a way that I was used to as many other automatic antenna tuners I've used. With my tried and true doublet (Balun Designs 4:1 connected to ANT1) its worked sometimes, sometime not.
> > > >
> > > > What I mean by "work" is that sometimes it tunes the antenna fine. Sometimes it doesn't tune the antenna at all. The issue is not a matter of what problems you might expect with an an automatic antenna tuner like not having enough impedance range to match the antenna. Rather, sometimes it just acts like its disabled when it is enabled.
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> > > > After enabling the antenna tuner, I press "tune", rig goes into transmit with 20W out, I hear the side tone, displays shows 4.4:1 SWR. It just stays in this state, nothing changes, hear no relay action internally, just continues to transmit a steady tone with 4.4:1 displayed. Isn't it supposed to seek a SWR and then switch back to receive?
> > > >
> > > > My Icom rig had no problem tuning this antenna, and its my understanding the Ten Tec AT has a wider impedance range? Its really a matter of the AT acts disabled all the time. Talked to TT about this, after doing a master reset with no joy, they say I have a ground problem. I'm skeptical.
> > > >
> > > > Its to the point where it used to tune sometimes but now it never tries to tune regardless of whether the AT is enabled or disabled.
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> > > > I've been using my Old Palstar manual external tuner and it tunes nicely, but with SS coming up, I'd like the auto AT to work like it should.

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> > > > Any ideas? 73 Marty / W4MY
> > > >
> > >
> > >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>

[Non-text portions of this message have been removed]

8708. RE: [orion565] Re: S meter readings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-20 00:58:37 UTC
From: Martin Sole
Topic: 8703 Message: 8708

Mine reads about S8.5, preamp off, default AGC, sub on same antenna port, S9 with the sub disconnected.

There are 2 internal adjustments that affect S meter reading it seems, one of which also affects the power meter reading and also what appears to be some means to access what the software does with the S meter as well.

If you're not the first owner and know things haven't been tweaked, well they could have been I guess.

What's the ' Work in progress' Onno?

73
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Saturday, October 20, 2012 05:12
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: S meter readings

With preamp off, my s-meter reads s9 with 50uV input. Preamp kicks the s-meter up about 12dB.

73,
Barry N1EU

On Fri, Oct 19, 2012 at 9:03 PM, pa1ap <pa1ap@...> wrote:

> **
>
>
> The s meter seems less than accurate on the orion. Couple of items
> which influence s meter reading besides the pre amp. Agc mode and sub
> receiver on same antenna will also influence s meter reading. There is
> work in progress regarding the s meter calibration. Best regards, onno
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> --- In orion565@yahoogroups.com, "George" <goofyham@...> wrote:
> >
> > Anyone check the S meter reading using a 50 micro volt input? At
> > this
> level
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> > My Orion2 reads S5??? I'm assuming that the preamp should be off.
> > With the preamp on the O2 S meter reads S8.
> > I'm using a Elecraft XG3 as a source.

> > Now I would suspect the Elecraft at fault but when I did the same
> > test
> on my
> > Icom IC-7600 the
> > S meter read S9.
> > Anyone try the same test and what did your O2 S meter read with 50uv
> > in?
> > Thanks
> >
> > George W2YJ
> >
>
>
>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.2741 / Virus Database: 2614/5840 - Release Date: 10/18/12

8709. Orion2 and digital modes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-20 01:52:02 UTC
From: PY2KD
Topic: 8709 Message: 8709

Folks, i just got a cable for Orion2 with two p10 conecctors and one usb, for digital modes. May I use the usb instead the p's ?
Wich is the best software do you recomend ?
73

8710. Re: Automatic Antenna Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-20 09:21:00 UTC
From: pa1ap
Topic: 8698 Message: 8710

Hi Marty,

Understood on the passive n1mm :-)

I just walked up to radio and connected dummy load to ant1. Then enabled internal tuner and hit the tune button. It will run a sequence for couple of seconds. Press tune again and it will repeat sequence. I did this 10 times and the sequence will just repeat. After those sequences I went to tx menu and when changing tunernto disable I do hear a relais click.

I am using 565 so my situation might be different than 566. However the sequence with dummy load might provide you evidence if the tuner works consistently. If it sometimes tunes and sometimes not despite the dummy load I would raise that to tentec service as a malfunction of the tuner.

Best regards, onno

--- In orion565@yahoogroups.com, w4my@... wrote:
>
> Onno and all:
>
> Thank you for your suggestions. I guess n1mm being "passive" was the wrong choice of words. It must be active in order to communicate and I understand this. I meant that n1mm makes no attempt to control settings beyond freq, mode, etc. Just trying to be complete.
>
> Moot anyway, when I was messing with this before the computer was off.
>
> I fear I have a hard malfunction and will have to determine that for myself and somehow convince TT to send me a new AT board.
>
> Thanks again.
>
> 73 Marty / W4MY
> -----------
>
>
> On Oct 19, 2012, at 16:12, "pa1ap" <pa1ap@...> wrote:
>
> > If I enable the tuner through menu, click on tune the sequence will start. When I go back to tx menu and disable the tuner I hear the click of bypass relais. If I just enable/disable through menu I dont hear click for whatever reason.
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> > Regarding n1mm I do not know how this can operate in passive mode. In order to update logging, the program needs to query the orion. Perhaps another module inserts a tuner disable disable by mistake? I would recommend to disconnect the serial cable and test the tuner without serial control connected.
> >

> > Another thought could be that the tuner control wire is not connected firmly enough. In am not sure how this wire is attached within 566. If the wire is not making contact the tuner wont activate.
> >
> > Best regards, onno
> >
> > --- In orion565@yahoogroups.com, w4my@ wrote:
> > >
> > > Onno: I will try listening for the switching relay as you describe when I get home next week (I am out of town until Monday). I don't remember hearing anything click when switching from disable to enable though.
> > >
> > > I am not using any remote computer control at this time. I do have the comm connected to N1MM and that is passive.
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> > > I have talked to TT and they told me that if a master reset doesn't fix it (didn't) then the only other possibility is a ground problem.
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> > > I'd give that some credibility If the AT we're seeking a match and was unable to find one. That's not the problem here. It's acting disabled when in fact it is enabled. Its worked intermittently from the beginning, now it's stopped functioning all together. When I last talked to Paul at TT (when it was intermittent) I felt brushed off.
> > >
> > > 73 Marty / W4MY
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> > >
> > >
> > > On Oct 19, 2012, at 10:23, "pa1ap" <pa1ap@> wrote:
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> > > > Hi Marty,
> > > >
> > > > Just a wild thought; do you use any remote control program with your rig?
> > > >
> > > > There seem to be cases where the tuner is disabled through remote control and the actual menu settings on the orion claim opposite.
> > > >
> > > > Easy to check; If you go to orion TX menu and disable / enable the tuner you should hear a click as far as I remember. The menu setting toggles the bypass relais when on / off.
> > > >
> > > > Could you let us know how it goes?
> > > >
> > > > Best regards, Onno
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> > > > > I bought my 566 new in March of this year and love the rig greatly. The antenna tuner has always seemed "weird" and not acted in a way that I was used to as many other automatic antenna tuners I've used. With my tried and true doublet (Balun Designs 4:1 connected to ANT1) its worked sometimes, sometime not.

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> > > > > What I mean by "work" is that sometimes it tunes the antenna fine. Sometimes it doesn't tune the antenna at all. The issue is not a matter of what problems you might expect with an an automatic antenna tuner like not having enough impedance range to match the antenna. Rather, sometimes it just acts like its disabled when it is enabled.
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> > > > >
> > > > > Its to the point where it used to tune sometimes but now it never tries to tune regardless of whether the AT is enabled or disabled.
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> > > >
> > > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> >
>
> [Non-text portions of this message have been removed]
>

8711. Re: [orion565] Re: Automatic Antenna Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-20 11:32:51 UTC
From: w4my@yahoo.com
Topic: 8698 Message: 8711

Onno:

That is a great idea! I will try with my dummy load also!

Thank you so much for your advise and help. I will let you know the result when I return home Monday.

73 Marty / W4MY

On Oct 20, 2012, at 5:21, "pa1ap" <pa1ap@...> wrote:

> Hi Marty,
>
> Understood on the passive n1mm :-)
>
> I just walked up to radio and connected dummy load to ant1. Then enabled internal tuner and hit the tune button. It will run a sequence for couple of seconds. Press tune again and it will repeat sequence. I did this 10 times and the sequence will just repeat. After those sequences I went to tx menu and when changing tunernto disable I do hear a relais click.
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> I am using 565 so my situation might be different than 566. However the sequence with dummy load might provide you evidence if the tuner works consistently. If it sometimes tunes and sometimes not despite the dummy load I would raise that to tentec service as a malfunction of the tuner.
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> --- In orion565@yahoogroups.com, w4my@... wrote:
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> > Moot anyway, when I was messing with this before the computer was off.
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> > I fear I have a hard malfunction and will have to determine that for myself and somehow convince TT to send me a new AT board.
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> > Thanks again.
> >
> > 73 Marty / W4MY
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> >

> >
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> > > If I enable the tuner through menu, click on tune the sequence will start. When I go back to tx menu and disable the tuner I hear the click of bypass relais. If I just enable/disable through menu I dont hear click for whatever reason.
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> > > >
> > > > Onno: I will try listening for the switching relay as you describe when I get home next week (I am out of town until Monday). I don't remember hearing anything click when switching from disable to enable though.
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> > > > 73 Marty / W4MY
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> > > >
> > > >
> > > > On Oct 19, 2012, at 10:23, "pa1ap" <pa1ap@> wrote:
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> > > > > Hi Marty,
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> > > > > Just a wild thought; do you use any remote control program with your rig?
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> > > > > There seem to be cases where the tuner is disabled through remote control and the actual menu settings on the orion claim opposite.
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> > > > > --- In orion565@...m, "Marty" <w4my@> wrote:
> > > > > >
> > > > > > I bought my 566 new in March of this year and love the rig greatly. The antenna tuner has always seemed "weird" and not acted in a way that I was used to as many other automatic antenna tuners I've used. With my tried and true doublet (Balun Designs 4:1 connected to ANT1) its worked sometimes, sometime not.
> > > > > >
> > > > > > What I mean by "work" is that sometimes it tunes the antenna fine. Sometimes it doesn't tune the antenna at all. The issue is not a matter of what problems you might expect with an an automatic antenna tuner like not having enough impedance range to match the antenna. Rather, sometimes it just acts like its disabled when it is enabled.
> > > > > >
> > > > > > After enabling the antenna tuner, I press "tune", rig goes into transmit with 20W out, I hear the side tone, displays shows 4.4:1 SWR. It just stays in this state, nothing changes, hear no relay action internally, just continues to transmit a steady tone with 4.4:1 displayed. Isn't it supposed to seek a SWR and then switch back to receive?
> > > > > >
> > > > > > My Icom rig had no problem tuning this antenna, and its my understanding the Ten Tec AT has a wider impedance range? Its really a matter of the AT acts disabled all the time. Talked to TT about this, after doing a master reset with no joy, they say I have a ground problem. I'm skeptical.
> > > > > >
> > > > > > Its to the point where it used to tune sometimes but now it never tries to tune regardless of whether the AT is enabled or disabled.
> > > > > >
> > > > > > I've been using my Old Palstar manual external tuner and it tunes nicely, but with SS coming up, I'd like the auto AT to work like it should.
> > > > > >
> > > > > > Any ideas? 73 Marty / W4MY
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8712. RE: [orion565] Re: S meter readings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-20 12:33:59 UTC
From: George
Topic: 8703 Message: 8712

I guess I have some re-adjusting to do to get my S meter back to S9 for 50uv.

I'll have to look at the schematic to see what's what.

Thanks for the replies.

George W2YJ

From: orion565@...m [mailto:orion565@yahoogroups.com] On Behalf Of Martin Sole
Sent: Friday, October 19, 2012 8:59 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: S meter readings

Mine reads about S8.5, preamp off, default AGC, sub on same antenna port, S9 with the sub disconnected.

There are 2 internal adjustments that affect S meter reading it seems, one of which also affects the power meter reading and also what appears to be some means to access what the software does with the S meter as well.

If you're not the first owner and know things haven't been tweaked, well they could have been I guess.

What's the ' Work in progress' Onno?

73
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of Barry N1EU
Sent: Saturday, October 20, 2012 05:12
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] Re: S meter readings

With preamp off, my s-meter reads s9 with 50uV input. Preamp kicks the s-meter up about 12dB.

73,
Barry N1EU

On Fri, Oct 19, 2012 at 9:03 PM, pa1ap <pa1ap@... <mailto:pa1ap%40nextchallenge.net> > wrote:

> **
>
>

> The s meter seems less than accurate on the orion. Couple of items
> which influence s meter reading besides the pre amp. Agc mode and sub
> receiver on same antenna will also influence s meter reading. There is
> work in progress regarding the s meter calibration. Best regards, onno
>
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "George"
<goofyham@...> wrote:
> >
> > Anyone check the S meter reading using a 50 micro volt input? At
> > this
> level
> > my S meter, with pre amps off, should read S9.
> > My Orion2 reads S5??? I'm assuming that the preamp should be off.
> > With the preamp on the O2 S meter reads S8.
> > I'm using a Elecraft XG3 as a source.
> > Now I would suspect the Elecraft at fault but when I did the same
> > test
> on my
> > Icom IC-7600 the
> > S meter read S9.
> > Anyone try the same test and what did your O2 S meter read with 50uv
> > in?
> > Thanks
> >
> > George W2YJ
> >
>
>
>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.2741 / Virus Database: 2614/5840 - Release Date: 10/18/12

[Non-text portions of this message have been removed]

8713. Re: Orion2 and digital modes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-20 12:38:49 UTC
From: WA1MXT
Topic: 8709 Message: 8713

I use FLDigi, it's free and available to download online. Works great and easy to setup. Been using it for the past few months with no problems

Fred

Sent from my iPad

8714. RE: [orion565] Re: S meter readings

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-20 12:40:40 UTC
From: George
Topic: 8703 Message: 8714

I ran into a snag when trying to download the 566 schematics.

When I tried to download the schematics I get a message “file could not be downloaded”??? I don’t know what that is all about.

Can anyone attach the schematic file for the 566 Orion2 and send it to me?

Thanks.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Martin Sole
Sent: Friday, October 19, 2012 8:59 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: S meter readings

Mine reads about S8.5, preamp off, default AGC, sub on same antenna port, S9 with the sub disconnected.

There are 2 internal adjustments that affect S meter reading it seems, one of which also affects the power meter reading and also what appears to be some means to access what the software does with the S meter as well.

If you're not the first owner and know things haven't been tweaked, well they could have been I guess.

What's the ' Work in progress' Onno?

73
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of Barry N1EU
Sent: Saturday, October 20, 2012 05:12
To: orion565@...m <mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] Re: S meter readings

With preamp off, my s-meter reads s9 with 50uV input. Preamp kicks the s-meter up about 12dB.

73,
Barry N1EU

On Fri, Oct 19, 2012 at 9:03 PM, pa1ap <pa1ap@... <mailto:pa1ap%40nextchallenge.net> > wrote:

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>
>
> The s meter seems less than accurate on the orion. Couple of items
> which influence s meter reading besides the pre amp. Agc mode and sub
> receiver on same antenna will also influence s meter reading. There is
> work in progress regarding the s meter calibration. Best regards, onno
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> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "George"
<goofyham@...> wrote:
> >
> > Anyone check the S meter reading using a 50 micro volt input? At
> > this
> level
> > my S meter, with pre amps off, should read S9.
> > My Orion2 reads S5??? I'm assuming that the preamp should be off.
> > With the preamp on the O2 S meter reads S8.
> > I'm using a Elecraft XG3 as a source.
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> > test
> on my
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> > S meter read S9.
> > Anyone try the same test and what did your O2 S meter read with 50uv
> > in?
> > Thanks
> >
> > George W2YJ
> >
>
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>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.2741 / Virus Database: 2614/5840 - Release Date: 10/18/12

[Non-text portions of this message have been removed]

8715. O2 schematic

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-20 18:26:31 UTC
From: George
Topic: 8715 Message: 8715

Thanks to all that sent me the O2 schematics. I was sent a file containing all the prints.
Did anyone attempt to calibrate the S meter and what steps were taken.
I'm not sending the O2 in for just a S meter calibration, hi.
Thanks.

George W2YJ

8716. Re: [orion565] Re: Automatic Antenna Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-22 21:39:41 UTC
From: w4my@yahoo.com
Topic: 8698 Message: 8716

On I:

I wanted to follow up with you on trying my dummy load on ANT1 to see if the AT will operate properly. (No external PC or software connected)

With a perfect 50 ohm dummy load on ANT1 and ANT1 selected, with internal tuner "disabled", pressing the Tune button switches the rig to transmit, side tone comes on, SWR display reads "SWR1.0:1". Rig remains in this state indefinitely until I press Tune button again, where it returns to receive.

With a perfect 50 ohm dummy load on ANT1 and ANT1 selected, with internal tuner "enabled", pressing the Tune button switches the rig to transmit, side tone comes on, SWR display reads "SWR1.0:1". Rig remains in this state indefinitely until I press Tune button again, where it returns to receive.

I assume there should be a difference in how it acts with the tuner "enabled"?

Thanks for your help.

73 Marty / W4MY

On Oct 20, 2012, at 5:21, "pa1ap" <pa1ap@...> wrote:

> Hi Marty,
>
> Understood on the passive n1mm :-)
>
> I just walked up to radio and connected dummy load to ant1. Then enabled internal tuner and hit the tune button. It will run a sequence for couple of seconds. Press tune again and it will repeat sequence. I did this 10 times and the sequence will just repeat. After those sequences I went to tx menu and when changing tunernto disable I do hear a relais click.
>
> I am using 565 so my situation might be different than 566. However the sequence with dummy load might provide you evidence if the tuner works consistently. If it sometimes tunes and sometimes not despite the dummy load I would raise that to tentec service as a malfunction of the tuner.
>
> Best regards, onno
>
> --- In orion565@...m, w4my@... wrote:
> >
> > Onno and all:
> >
> > Thank you for your suggestions. I guess n1mm being "passive" was the wrong choice of words. It must be active in order to communicate and I understand this. I meant that n1mm makes no attempt to control settings beyond freq, mode, etc. Just trying to be complete.

> >
> > Moot anyway, when I was messing with this before the computer was off.
> >
> > I fear I have a hard malfunction and will have to determine that for myself and somehow convince TT to send me a new AT board.
> >
> > Thanks again.
> >
> > 73 Marty / W4MY
> > -----------
> >
> >
> > On Oct 19, 2012, at 16:12, "pa1ap" <pa1ap@...> wrote:
> >
> > > If I enable the tuner through menu, click on tune the sequence will start. When I go back to tx menu and disable the tuner I hear the click of bypass relais. If I just enable/disable through menu I dont hear click for whatever reason.
> > >
> > > Regarding n1mm I do not know how this can operate in passive mode. In order to update logging, the program needs to query the orion. Perhaps another module inserts a tuner disable disable by mistake? I would recommend to disconnect the serial cable and test the tuner without serial control connected.
> > >
> > > Another thought could be that the tuner control wire is not connected firmly enough. In am not sure how this wire is attached within 566. If the wire is not making contact the tuner wont activate.
> > >
> > > Best regards, onno
> > >
> > > --- In orion565@yahoogroups.com, w4my@ wrote:
> > > >
> > > > Onno: I will try listening for the switching relay as you describe when I get home next week (I am out of town until Monday). I don't remember hearing anything click when switching from disable to enable though.
> > > >
> > > > I am not using any remote computer control at this time. I do have the comm connected to N1MM and that is passive.
> > > >
> > > > I have talked to TT and they told me that if a master reset doesn't fix it (didn't) then the only other possibility is a ground problem.
> > > >
> > > > I'd give that some credibility If the AT we're seeking a match and was unable to find one. That's not the problem here. It's acting disabled when in fact it is enabled. Its worked intermittently from the beginning, now it's stopped functioning all together. When I last talked to Paul at TT (when it was intermittent) I felt brushed off.
> > > >
> > > > 73 Marty / W4MY
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> > > >
> > > >

> > > > On Oct 19, 2012, at 10:23, "pa1ap" <pa1ap@> wrote:
> > > >
> > > > > Hi Marty,
> > > > >
> > > > > Just a wild thought; do you use any remote control program with your rig?
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> > > > > There seem to be cases where the tuner is disabled through remote control and the actual menu settings on the orion claim opposite.
> > > > >
> > > > > Easy to check; If you go to orion TX menu and disable / enable the tuner you should hear a click as far as I remember. The menu setting toggles the bypass relais when on / off.
> > > > >
> > > > > Could you let us know how it goes?
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> > > > > Best regards, Onno
> > > > >
> > > > > --- In orion565@yahoogroups.com, "Marty" <w4my@> wrote:
> > > > > >
> > > > > > I bought my 566 new in March of this year and love the rig greatly. The antenna tuner has always seemed "weird" and not acted in a way that I was used to as many other automatic antenna tuners I've used. With my tried and true doublet (Balun Designs 4:1 connected to ANT1) its worked sometimes, sometime not.
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> > > > > > After enabling the antenna tuner, I press "tune", rig goes into transmit with 20W out, I hear the side tone, displays shows 4.4:1 SWR. It just stays in this state, nothing changes, hear no relay action internally, just continues to transmit a steady tone with 4.4:1 displayed. Isn't it supposed to seek a SWR and then switch back to receive?
> > > > > >
> > > > > > My Icom rig had no problem tuning this antenna, and its my understanding the Ten Tec AT has a wider impedance range? Its really a matter of the AT acts disabled all the time. Talked to TT about this, after doing a master reset with no joy, they say I have a ground problem. I'm skeptical.
> > > > > >
> > > > > > Its to the point where it used to tune sometimes but now it never tries to tune regardless of whether the AT is enabled or disabled.
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> > > > > > I've been using my Old Palstar manual external tuner and it tunes nicely, but with SS coming up, I'd like the auto AT to work like it should.
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[Non-text portions of this message have been removed]

8717. Re: Automatic Antenna Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-23 09:54:35 UTC
From: pa1ap
Topic: 8698 Message: 8717

Hello Marty,

Thats weird.

I would expect the tuner to engage and tune. On my 565 with original tuner it will start the tune sequence regardless of swr value.

To me it sounds the control wire is disconnected and hence the orion does not know the tuner is there. And if the contact is poor it might see it once in a while.

Couple of thoughts here:
1- the 566 tuner might operate different than 565. But you can ask tt service to confirm
2- with tuner enabled I would expect click/clack sound while tuner looks for match.
3- once match is found tuner sequence will stop automatically
4- Ask tt service for advise on orion and tuner installation. Either control wires is loose or tuner is broken.

What you describe is an orion without internal tuner. Without tuner the tune button will transmit 20 or 25 Watt carrier until pressed again.

Best regards, Onno

--- In orion565@yahoogroups.com, w4my@... wrote:
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> On I:
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> I wanted to follow up with you on trying my dummy load on ANT1 to see if the AT will operate properly. (No external PC or software connected)
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> With a perfect 50 ohm dummy load on ANT1 and ANT1 selected, with internal tuner "disabled", pressing the Tune button switches the rig to transmit, side tone comes on, SWR display reads "SWR1.0:1". Rig remains in this state indefinitely until I press Tune button again, where it returns to receive.
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> I assume there should be a difference in how it acts with the tuner "enabled"?
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> Thanks for your help.
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> > Hi Marty,
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> > Understood on the passive n1mm :-)
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8718. Re: [orion565] Re: Automatic Antenna Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-23 12:23:11 UTC
From: w4my@yahoo.com
Topic: 8698 Message: 8718

Hi Onno:

Yes, my expectation of the AT is the same as you. And since March when I bought the 566 new it acted normally as it should, sometimes tuning, sometimes not. But now it acts like I described earlier all the time.

I sent an email to TT service so we'll see what they say. Thanks!

73 Marty / W4MY

On Oct 23, 2012, at 5:54, "pa1ap" <pa1ap@nextchallenge.net> wrote:

> Hello Marty,
>
> Thats weird.
>
> I would expect the tuner to engage and tune. On my 565 with original tuner it will start the tune sequence regardless of swr value.
>
> To me it sounds the control wire is disconnected and hence the orion does not know the tuner is there. And if the contact is poor it might see it once in a while.
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> Reply via web post Reply to sender Reply to group Start a New Topic Messages in this topic (11)
> RECENT ACTIVITY: New Members 1
> Visit Your Group
>
> Switch to: Text-Only, Daily Digest • Unsubscribe • Terms of Use • Send us Feedback

[Non-text portions of this message have been removed]

8719. Re: [orion565] Re: Automatic Antenna Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-23 22:13:21 UTC
From: Marty Young
Topic: 8698 Message: 8719

OK Onno, Here's an update

TT replied. Had me perform memory reset and master reset. Said I should try again with an antenna with some
SWR. I did as they asked (again) No symptom change. I will see what they say tomorrow.

Marty / W4MY

--------------"If a man speaks in the forest and there are no woman around to hear him, is he still wrong?"

From: "w4my@..." <w4my@yahoo.com>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Sent: Tuesday, October 23, 2012 8:23 AM
Subject: Re: [orion565] Re: Automatic Antenna Tuner

Hi Onno:

Yes, my expectation of the AT is the same as you. And since March when I bought the 566 new it acted normally as it should, sometimes tuning, sometimes not. But now it acts like I described earlier all the time.

I sent an email to TT service so we'll see what they say. Thanks!

73 Marty / W4MY

On Oct 23, 2012, at 5:54, "pa1ap" <pa1ap@...> wrote:

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>
> Reply via web post Reply to sender Reply to group Start a New Topic Messages in this topic (11)
> RECENT ACTIVITY: New Members 1
> Visit Your Group
>
> Switch to: Text-Only, Daily Digest • Unsubscribe • Terms of Use • Send us Feedback

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8720. Re: Automatic Antenna Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-24 07:23:13 UTC
From: pa1ap
Topic: 8698 Message: 8720

Perhaps there is someone on the forum with 566 and tuner who can quickly check behavior when connecting to dummy load? As far as I know the tuner has no memory nor knowledge on frequency. This means it must tune each time you press the tune button...

Any 566 owner who can assist?

Regards, onno

--- In orion565@yahoogroups.com, Marty Young <w4my@...> wrote:
>
> OK Onno, Here's an update
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> TT replied.Â Had me perform memory reset and master reset.Â Said I should try again with an antenna with some
> SWR.Â I did as they asked (again)Â No symptom change.Â I will see what they say tomorrow.
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> _____
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> To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
> Sent: Tuesday, October 23, 2012 8:23 AM
> Subject: Re: [orion565] Re: Automatic Antenna Tuner
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> > > > > > Reply via web post Reply to sender Reply to group Start a New Topic Messages in this topic (11)
> > > > > > RECENT ACTIVITY: New Members 1
> > > > > > Visit Your Group
> > > > > >
> > > > > > Switch to: Text-Only, Daily Digest â□¢ Unsubscribe â□¢ Terms of Use â□¢ Send us Feedback
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8721. Re: Automatic Antenna Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-24 13:32:50 UTC
From: floydsense
Topic: 8698 Message: 8721

Orion II with AT here. When connected to a dummy load and hitting the TUNE button, I can hear the relays cycling very fast and see the SWR 1.0:1 message display momentarily. Then the "tuned" text appears above where the SWR was being displayed. The O2 returns to receive immediately. I tried various other mismatched antennas for the frequency the O2 was tuned to and a successful tune operation took no longer than 2 seconds, with relays changing quickly and the O2 returning to receive mode immediately. I then tried a worst case scenario where the feedline was shorted to ground about 200 feet from the transceiver. In that case, a tuning solution was found in about 6 seconds.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Perhaps there is someone on the forum with 566 and tuner who can quickly check behavior when connecting to dummy load? As far as I know the tuner has no memory nor knowledge on frequency. This means it must tune each time you press the tune button...
>
> Any 566 owner who can assist?
>
> Regards, onno
>

8722. Re: Automatic Antenna Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-24 15:03:09 UTC
From: pa1ap
Topic: 8698 Message: 8722

Hello Floyd!

thanks very much for confirmation. Much appreciated. Just to make sure: if you connect dummy load, engage tuner you will hear click/clack sequence. Andif you repeat this without changing dummy load, the tuner engages and click / clack happens again?

thanks and best regards, onno
--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
> Orion II with AT here. When connected to a dummy load and hitting the TUNE button, I can hear the relays cycling very fast and see the SWR 1.0:1 message display momentarily. Then the "tuned" text appears above where the SWR was being displayed. The O2 returns to receive immediately. I tried various other mismatched antennas for the frequency the O2 was tuned to and a successful tune operation took no longer than 2 seconds, with relays changing quickly and the O2 returning to receive mode immediately. I then tried a worst case scenario where the feedline was shorted to ground about 200 feet from the transceiver. In that case, a tuning solution was found in about 6 seconds.
>
> 73, Floyd - K8AC
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Perhaps there is someone on the forum with 566 and tuner who can quickly check behavior when connecting to dummy load? As far as I know the tuner has no memory nor knowledge on frequency. This means it must tune each time you press the tune button...
> >
> > Any 566 owner who can assist?
> >
> > Regards, onno
> >
>

8723. Re: [orion565] Re: Automatic Antenna Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-24 15:45:57 UTC
From: Marty Young
Topic: 8698 Message: 8723

Floyd and Onno:

Thank you for that confirmation. I have witnessed this action of my automatic AT in the past, as you describe Floyd, but not reliably. It would do it sometimes, sometimes it would not. But it seems to be a hard failure now. My past conversations with TT about it in the past months never got past them telling me to do a memory clear and master reset.

I have most all my settings memorized in my head for doing so many master resets over these last 8 months. I'd like to get to the point where I can quit doing master resets all the time so I can start tweaking the radio the way I like it with the knowledge that if I find something I like it will stay! HI!

We'll see what TT has to say about this latest round, I'm waiting on their reply now after I reported memory clear and master reset did not solve the problem.

Thanks, Marty / W4MY

--------------"If a man speaks in the forest and there are no woman around to hear him, is he still wrong?"

From: pa1ap <pa1ap@...>
To: orion565@yahoogroups.com
Sent: Wednesday, October 24, 2012 11:03 AM
Subject: [orion565] Re: Automatic Antenna Tuner

Hello Floyd!

thanks very much for confirmation. Much appreciated. Just to make sure: if you connect dummy load, engage tuner you will hear click/clack sequence. Andif you repeat this without changing dummy load, the tuner engages and click / clack happens again?

thanks and best regards, onno
--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
> Orion II with AT here. When connected to a dummy load and hitting the TUNE button, I can hear the relays cycling very fast and see the SWR 1.0:1 message display momentarily. Then the "tuned" text appears above where the SWR was being displayed. The O2 returns to receive immediately. I tried various other mismatched antennas for the frequency the O2 was tuned to and a successful tune operation took no longer than 2 seconds, with relays changing quickly and the O2 returning to receive mode immediately. I then tried a worst case scenario where the feedline was shorted to ground about 200 feet from the transceiver. In that case, a tuning solution was found in about 6 seconds.
>
> 73, Floyd - K8AC
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:

> >
> > Perhaps there is someone on the forum with 566 and tuner who can quickly check behavior when connecting to dummy load? As far as I know the tuner has no memory nor knowledge on frequency. This means it must tune each time you press the tune button...
> >
> > Any 566 owner who can assist?
> >
> > Regards, onno
> >
>

[Non-text portions of this message have been removed]

8724. Audio problem when starting Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-24 19:01:55 UTC
From: hglent
Topic: 8724 Message: 8724

Greetings fellow Orion users,
I have developed a problem with my Orion v3.032 when first turning it on in the morning.

I turn the 963 Power Supply on, and a few seconds later I press the Power Button on the Orion. All appears normal as the Orion goes through the initialization process. Everything comes on and appears to be operating normally. Band sweep shows stations, "S" Meter has appropriate indications. The problem is, there is no audio coming from the speakers or headphones. I switch the power off with the switch on the Orion, and then back on. Everything comes on after the initialization and works perfectly all day. If I shut down both the Orion and the power supply and then return later in the day everything functions perfectly.

I haven't uncovered the rig and dove into inspections and cleaning contacts yet. I am presenting this to all the folks here looking for ideas and clues. I appreciate the expertise and help I get from this reflector.

TNX es 73 de WA0BAG

Paul K.
WA0BAG

8725. Re: Automatic Antenna Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-25 00:04:53 UTC
From: floydsense
Topic: 8698 Message: 8725

Yes. The subsequent tune cycles are faster than the first, but it happens as I described every time I hit tune.

Floyd

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
>
> Hello Floyd!
>
> thanks very much for confirmation. Much appreciated. Just to make sure: if you connect dummy load, engage tuner you will hear click/clack sequence. Andif you repeat this without changing dummy load, the tuner engages and click / clack happens again?
>
> thanks and best regards, onno
> --- In orion565@yahoogroups.com, "floydsense" <floyd@> wrote:
> >
> > Orion II with AT here. When connected to a dummy load and hitting the TUNE button, I can hear the relays cycling very fast and see the SWR 1.0:1 message display momentarily. Then the "tuned" text appears above where the SWR was being displayed. The O2 returns to receive immediately. I tried various other mismatched antennas for the frequency the O2 was tuned to and a successful tune operation took no longer than 2 seconds, with relays changing quickly and the O2 returning to receive mode immediately. I then tried a worst case scenario where the feedline was shorted to ground about 200 feet from the transceiver. In that case, a tuning solution was found in about 6 seconds.
> >
> > 73, Floyd - K8AC
> >
> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > >
> > > Perhaps there is someone on the forum with 566 and tuner who can quickly check behavior when connecting to dummy load? As far as I know the tuner has no memory nor knowledge on frequency. This means it must tune each time you press the tune button...
> > >
> > > Any 566 owner who can assist?
> > >
> > > Regards, onno
> > >
> >
>

8726. Re: [orion565] Audio problem when starting Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-25 03:11:42 UTC
From: Richard
Topic: 8724 Message: 8726

I leave the power supply on all the time and switch off the Orion II at the radio. No problems. Do you have the situation when you do that?

C. Richard Pumphrey wn9ddv

NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

On Oct 24, 2012, at 3:01 PM, "hglent" <hglent@...> wrote:

> Greetings fellow Orion users,
> I have developed a problem with my Orion v3.032 when first turning it on in the morning.
>
> I turn the 963 Power Supply on, and a few seconds later I press the Power Button on the Orion. All appears normal as the Orion goes through the initialization process. Everything comes on and appears to be operating normally. Band sweep shows stations, "S" Meter has appropriate indications. The problem is, there is no audio coming from the speakers or headphones. I switch the power off with the switch on the Orion, and then back on. Everything comes on after the initialization and works perfectly all day. If I shut down both the Orion and the power supply and then return later in the day everything functions perfectly.
>
> I haven't uncovered the rig and dove into inspections and cleaning contacts yet. I am presenting this to all the folks here looking for ideas and clues. I appreciate the expertise and help I get from this reflector.
>
> TNX es 73 de WA0BAG
>
> Paul K.
> WA0BAG
>
>

[Non-text portions of this message have been removed]

8727. Re: Audio problem when starting Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-25 03:55:06 UTC
From: pa1ap
Topic: 8724 Message: 8727

Interesting sequence of events happening Paul. Is this a 565 or 566?

If the cpu battery module is broken it would not get passed the boot sequence. if the battery is low anything weird could happen and this might be one of the effects. Still strange that it is audio only and apparently very predictable in behavior too.

Could you reproduce the issue and connect a headphone to the orion to see if audio comes through this connection? Perhaps the audio amplifier environment has an issue? And if you switch to cw and key the transmitter, do you hear the sidetone?

You mention 3032 firmware. I assume you performed master reset and such like? Do you see the same issue when downgrading to V2 firmware? Can you confirm the issue is firmware independent?

Best regards, Onno

--- In orion565@yahoogroups.com, "hglent" <hglent@...> wrote:
>
> Greetings fellow Orion users,
> I have developed a problem with my Orion v3.032 when first turning it on in the morning.
>
> I turn the 963 Power Supply on, and a few seconds later I press the Power Button on the Orion. All appears normal as the Orion goes through the initialization process. Everything comes on and appears to be operating normally. Band sweep shows stations, "S" Meter has appropriate indications. The problem is, there is no audio coming from the speakers or headphones. I switch the power off with the switch on the Orion, and then back on. Everything comes on after the initialization and works perfectly all day. If I shut down both the Orion and the power supply and then return later in the day everything functions perfectly.
>
> I haven't uncovered the rig and dove into inspections and cleaning contacts yet. I am presenting this to all the folks here looking for ideas and clues. I appreciate the expertise and help I get from this reflector.
>
> TNX es 73 de WA0BAG
>
> Paul K.
> WA0BAG
>

8728. Re: [orion565] Re: Automatic Antenna Tuner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-25 11:22:39 UTC
From: w4my@yahoo.com
Topic: 8698 Message: 8728

Onno et all:

Thanks for help investigating this. Last email from Paul at TT tells me my 566 needs to be returned for warrantee repair.

My backup rig is an Eagle. I will wait until after CQWW-SSB and SS-CW and use my manual AT. I'll use the Eagle for SS-SSB.

Thanks again!

73 Marty / W4MY

On Oct 24, 2012, at 3:23, "pa1ap" <pa1ap@...> wrote:

> Perhaps there is someone on the forum with 566 and tuner who can quickly check behavior when connecting to dummy load? As far as I know the tuner has no memory nor knowledge on frequency. This means it must tune each time you press the tune button...
>
> Any 566 owner who can assist?
>
> Regards, onno
>
> --- In orion565@yahoogroups.com, Marty Young <w4my@...> wrote:
> >
> > OK Onno, Here's an update
> >
> >
> > TT replied. Had me perform memory reset and master reset. Said I should try again with an antenna with some
> > SWR. I did as they asked (again) No symptom change. I will see what they say tomorrow.
> >
> > Marty / W4MY
> >
> >
> > --------------"If a man speaks in the forest and there are no woman around to hear him, is he still wrong?"
> >
> >
> > _____
> > From: "w4my@..." <w4my@...>
> > To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
> > Sent: Tuesday, October 23, 2012 8:23 AM
> > Subject: Re: [orion565] Re: Automatic Antenna Tuner
> >
> >

> >
> > Hi Onno:
> >
> > Yes, my expectation of the AT is the same as you. And since March when I bought the 566 new it acted normally as it should, sometimes tuning, sometimes not. But now it acts like I described earlier all the time.
> >
> > I sent an email to TT service so we'll see what they say. Thanks!
> >
> > 73 Marty / W4MY
> > -----------
> >
> > On Oct 23, 2012, at 5:54, "pa1ap" <pa1ap@...> wrote:
> >
> > > Hello Marty,
> > >
> > > Thats weird.
> > >
> > > I would expect the tuner to engage and tune. On my 565 with original tuner it will start the tune sequence regardless of swr value.
> > >
> > > To me it sounds the control wire is disconnected and hence the orion does not know the tuner is there. And if the contact is poor it might see it once in a while.
> > >
> > > Couple of thoughts here:
> > > 1- the 566 tuner might operate different than 565. But you can ask tt service to confirm
> > > 2- with tuner enabled I would expect click/clack sound while tuner looks for match.
> > > 3- once match is found tuner sequence will stop automatically
> > > 4- Ask tt service for advise on orion and tuner installation. Either control wires is loose or tuner is broken.
> > >
> > > What you describe is an orion without internal tuner. Without tuner the tune button will transmit 20 or 25 Watt carrier until pressed again.
> > >
> > > Best regards, Onno
> > >
> > > --- In orion565@yahoogroups.com, w4my@ wrote:
> > > >
> > > > On I:
> > > >
> > > > I wanted to follow up with you on trying my dummy load on ANT1 to see if the AT will operate properly. (No external PC or software connected)
> > > >
> > > > With a perfect 50 ohm dummy load on ANT1 and ANT1 selected, with internal tuner "disabled", pressing the Tune button switches the rig to transmit, side tone comes on, SWR display reads "SWR1.0:1". Rig remains in this state indefinitely until I press Tune button again, where it returns to receive.
> > > >
> > > > With a perfect 50 ohm dummy load on ANT1 and ANT1 selected, with internal tuner

"enabled", pressing the Tune button switches the rig to transmit, side tone comes on, SWR display reads "SWR1.0:1". Rig remains in this state indefinitely until I press Tune button again, where it returns to receive.
> > > >
> > > > I assume there should be a difference in how it acts with the tuner "enabled"?
> > > >
> > > > Thanks for your help.
> > > >
> > > > 73 Marty / W4MY
> > > > -----------
> > > >
> > > >
> > > > On Oct 20, 2012, at 5:21, "pa1ap" <pa1ap@> wrote:
> > > >
> > > > > Hi Marty,
> > > > >
> > > > > Understood on the passive n1mm :-)
> > > > >
> > > > > I just walked up to radio and connected dummy load to ant1. Then enabled internal tuner and hit the tune button. It will run a sequence for couple of seconds. Press tune again and it will repeat sequence. I did this 10 times and the sequence will just repeat. After those sequences I went to tx menu and when changing tunernto disable I do hear a relais click.
> > > > >
> > > > > I am using 565 so my situation might be different than 566. However the sequence with dummy load might provide you evidence if the tuner works consistently. If it sometimes tunes and sometimes not despite the dummy load I would raise that to tentec service as a malfunction of the tuner.
> > > > >
> > > > > Best regards, onno
> > > > >
> > > > > --- In orion565@yahoogroups.com, w4my@ wrote:
> > > > > >
> > > > > > Onno and all:
> > > > > >
> > > > > > Thank you for your suggestions. I guess n1mm being "passive" was the wrong choice of words. It must be active in order to communicate and I understand this. I meant that n1mm makes no attempt to control settings beyond freq, mode, etc. Just trying to be complete.
> > > > > >
> > > > > > Moot anyway, when I was messing with this before the computer was off.
> > > > > >
> > > > > > I fear I have a hard malfunction and will have to determine that for myself and somehow convince TT to send me a new AT board.
> > > > > >
> > > > > > Thanks again.
> > > > > >
> > > > > > 73 Marty / W4MY
> > > > > > -----------
> > > > > >
> > > > > >

> > > > > > On Oct 19, 2012, at 16:12, "pa1ap" <pa1ap@> wrote:
> > > > > >
> > > > > > > If I enable the tuner through menu, click on tune the sequence will start. When I go back to tx menu and disable the tuner I hear the click of bypass relais. If I just enable/disable through menu I dont hear click for whatever reason.
> > > > > > >
> > > > > > > Regarding n1mm I do not know how this can operate in passive mode. In order to update logging, the program needs to query the orion. Perhaps another module inserts a tuner disable disable by mistake? I would recommend to disconnect the serial cable and test the tuner without serial control connected.
> > > > > > >
> > > > > > > Another thought could be that the tuner control wire is not connected firmly enough. In am not sure how this wire is attached within 566. If the wire is not making contact the tuner wont activate.
> > > > > > >
> > > > > > > Best regards, onno
> > > > > > >
> > > > > > > --- In orion565@yahoogroups.com, w4my@ wrote:
> > > > > > >
> > > > > > > Onno: I will try listening for the switching relay as you describe when I get home next week (I am out of town until Monday). I don't remember hearing anything click when switching from disable to enable though.
> > > > > > >
> > > > > > > I am not using any remote computer control at this time. I do have the comm connected to N1MM and that is passive.
> > > > > > >
> > > > > > > I have talked to TT and they told me that if a master reset doesn't fix it (didn't) then the only other possibility is a ground problem.
> > > > > > >
> > > > > > > I'd give that some credibility If the AT we're seeking a match and was unable to find one. That's not the problem here. It's acting disabled when in fact it is enabled. Its worked intermittently from the beginning, now it's stopped functioning all together. When I last talked to Paul at TT (when it was intermittent) I felt brushed off.
> > > > > > >
> > > > > > > 73 Marty / W4MY
> > > > > > > -----------
> > > > > > >
> > > > > > >
> > > > > > > On Oct 19, 2012, at 10:23, "pa1ap" <pa1ap@> wrote:
> > > > > > >
> > > > > > > Hi Marty,
> > > > > > >
> > > > > > > Just a wild thought; do you use any remote control program with your rig?
> > > > > > >
> > > > > > > There seem to be cases where the tuner is disabled through remote control and the actual menu settings on the orion claim opposite.
> > > > > > >
> > > > > > > Easy to check; If you go to orion TX menu and disable / enable the tuner you should hear a click as far as I remember. The menu setting toggles the bypass relais when on / off.

> > > > > > > > > >
> > > > > > > > > > Could you let us know how it goes?
> > > > > > > > > >
> > > > > > > > > > Best regards, Onno
> > > > > > > > > >
> > > > > > > > > > --- In orion565@yahoogroups.com, "Marty" <w4my@> wrote:
> > > > > > > > > >
> > > > > > > > > > I bought my 566 new in March of this year and love the rig greatly. The antenna tuner has always seemed "weird" and not acted in a way that I was used to as many other automatic antenna tuners I've used. With my tried and true doublet (Balun Designs 4:1 connected to ANT1) its worked sometimes, sometime not.
> > > > > > > > > >
> > > > > > > > > > What I mean by "work" is that sometimes it tunes the antenna fine. Sometimes it doesn't tune the antenna at all. The issue is not a matter of what problems you might expect with an an automatic antenna tuner like not having enough impedance range to match the antenna. Rather, sometimes it just acts like its disabled when it is enabled.
> > > > > > > > > >
> > > > > > > > > > After enabling the antenna tuner, I press "tune", rig goes into transmit with 20W out, I hear the side tone, displays shows 4.4:1 SWR. It just stays in this state, nothing changes, hear no relay action internally, just continues to transmit a steady tone with 4.4:1 displayed. Isn't it supposed to seek a SWR and then switch back to receive?
> > > > > > > > > >
> > > > > > > > > > My Icom rig had no problem tuning this antenna, and its my understanding the Ten Tec AT has a wider impedance range? Its really a matter of the AT acts disabled all the time. Talked to TT about this, after doing a master reset with no joy, they say I have a ground problem. I'm skeptical.
> > > > > > > > > >
> > > > > > > > > > Its to the point where it used to tune sometimes but now it never tries to tune regardless of whether the AT is enabled or disabled.
> > > > > > > > > >
> > > > > > > > > > I've been using my Old Palstar manual external tuner and it tunes nicely, but with SS coming up, I'd like the auto AT to work like it should.
> > > > > > > > > >
> > > > > > > > > > Any ideas? 73 Marty / W4MY
> > > > > > > > > >
> > > > > > > > > >
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> > >
> > > Reply via web post Reply to sender Reply to group Start a New Topic Messages in this topic (11)
> > > RECENT ACTIVITY: New Members 1
> > > Visit Your Group
> > >
> > > Switch to: Text-Only, Daily Digest • Unsubscribe • Terms of Use • Send us Feedback
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> Reply via web post Reply to sender

[Non-text portions of this message have been removed]

8729. Re: Audio problem when starting Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-25 12:21:58 UTC
From: Paul K.
Topic: 8724 Message: 8729

Onion,
All excellent points. The rig is a 565 Orion 1. I will start down through the list everyone has suggested. It will probably take a few days since this only occurs at first start up for the day. Yes, I've done all the appropriate resets, and the battery was replaced a few months ago.

I haven't touched the setup yet today, so I'll keep the list posted on progress. I've been doing this stuff for more than -- years, but haven't run into one like this.

Thanks again folks. I'll trudge on and keep the list in the loop.

Paul K.
WA0BAG

--
Paul K. WA0BAG

[Non-text portions of this message have been removed]

8730. Re: Audio problem when starting Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-25 14:27:18 UTC
From: Russell Hamilton
Topic: 8724 Message: 8730

I had a similar problem. Key is the fact that after the second power cycle everything worked OK for the rest of the day. My problem was cured by replacing the power distribution board, A4 or A7, I don't remember the board ID, but it is the board with the commonly failing capacitors. You can get a new board from TT for about $50 or replace the caps yourself. If you have your rig apart touch the caps carefully. If they are bulging at the top, or running warm, it is time for them to go according to TT service.

8731. Re: Audio problem when starting Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-25 15:07:49 UTC
From: pa1ap
Topic: 8724 Message: 8731

You are absolutely right Russell! The distribution board is known for weird power issues. Sometimes it shows through the lcd screen and sometimes other effects happen. I would indeed check this board first. Regards, Onno

--- In orion565@yahoogroups.com, Russell Hamilton <rusham@...> wrote:
>
> I had a similar problem. Key is the fact that after the second power cycle everything worked OK for the rest of the day. My problem was cured by replacing the power distribution board, A4 or A7, I don't remember the board ID, but it is the board with the commonly failing capacitors. You can get a new board from TT for about $50 or replace the caps yourself. If you have your rig apart touch the caps carefully. If they are bulging at the top, or running warm, it is time for them to go according to TT service.
>

8732. Orion 565 S-meter adjustment

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-26 21:31:13 UTC
From: Rick W
Topic: 8732 Message: 8732

The Orion (565) has a built in algorithm to adjust for difference between the various types of S-meters used during production.

I have posted a description of this procedure on my website.

Please note that this procedure applies to the Orion (565) only.

73,
Rick
VE7TK

Website: http://www.ve7tk.com

[Non-text portions of this message have been removed]

8733. Re: [TenTec] Orion 565 S-meter adjustment

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-27 09:20:45 UTC
From: Barry N1EU
Topic: 8733 Message: 8733

This adjustment process only works with the Orion 565, not the Orion II 566.

The procedure is also posted at
http://www.tentecwiki.org/doku.php?id=565 - scrolldown to
"Mods/Adjustments/Repairs"

73,
Barry N1EU

On Fri, Oct 26, 2012 at 9:45 PM, jack <jfriend31@...> wrote:
> Rick, when I do the steps noted in adjusting the S-meter, the 3rd step: PUSH
> PWR cancels everything and one is back to the normal screen. is there
> something I am missing?
> jack
> ak7o
>
>
> -----Original Message----- From: Rick W
> Sent: Friday, October 26, 2012 3:31 PM
> To: Ten-Tec Reflector ; Orion565
> Subject: [TenTec] Orion 565 S-meter adjustment
>
>
> The Orion (565) has a built in algorithm to adjust for difference between
> the various types of S-meters used during production.
>
> I have posted a description of this procedure on my website.
>
> Please note that this procedure applies to the Orion (565) only.
>
>
> 73,
> Rick
> VE7TK
>
>
> Website: http://www.ve7tk.com
> --
> TenTec mailing list
> TenTec@...
> http://lists.contesting.com/mailman/listinfo/tentec
>
> --
> TenTec mailing list
> TenTec@...
> http://lists.contesting.com/mailman/listinfo/tentec

8734. Firmware download problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-29 15:47:44 UTC
From: alan corin
Topic: 8734 Message: 8734

I recently purchased a used 565 with older firmware.When I received the radio it seemed to work fine.I then try to download latest firmware and the radio wouldn’t boot up after that.I sent it to ten tec and they said it probably messed up the dragonball .I would need a new logic board .This is not the first time ten tec firmware messed up a radio. I had previously had to send a Jupiter in because the download seemed to destroy the pld.There is nothing wrong with my rs 232 connection as I run a Pegasus off it for years.I also downloaded Kenwood firmware no problem. Any thoughts on whats going on.Thanks Alan WA2AC

[Non-text portions of this message have been removed]

8735. Re: Firmware download problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-29 20:50:38 UTC
From: pa1ap
Topic: 8734 Message: 8735

When you power on the orion 565 what do you see happening? Can you describe exact sequence of events? Clicking sound, Led's blinking, lcd backlight, boot message, anything? Also when you hold and press user2 button prior to power on what do you see?

The firmware actually get installed on top of a bootloader. Its very difficult to destroy bootloader. Couple of things which could be broken: dc power board, backup memory block (includes clock to boot)....

can you describe please?

Best regards, onno

--- In orion565@yahoogroups.com, alan corin <nizac712590@...> wrote:
>
> I recently purchased a used 565 with older firmware.When I received the radio it seemed to work fine.I then try to download latest firmware and the radio wouldnâ☐☐t boot up after that.I sent it to ten tec and they said it probably messed up the dragonball .I would need a new logic board .This is not the first time ten tec firmware messed up a radio. I had previously had to send a Jupiter in because the download seemed to destroy Â the pld.There is nothing wrong with my rs 232 connection as I run a Pegasus off it for years.I also downloaded Kenwood firmware no problem. Any thoughts on whats going on.Thanks Alan WA2AC
>
> [Non-text portions of this message have been removed]
>

8736. Re: Firmware download problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-29 20:51:28 UTC
From: pa1ap
Topic: 8734 Message: 8736

When you power on the orion 565 what do you see happening? Can you describe exact sequence of events? Clicking sound, Led's blinking, lcd backlight, boot message, anything? Also when you hold and press user2 button prior to power on what do you see?

The firmware actually get installed on top of a bootloader. Its very difficult to destroy bootloader. Couple of things which could be broken: dc power board, backup memory block (includes clock to boot)....

can you describe please?

Best regards, onno

--- In orion565@yahoogroups.com, alan corin <nizac712590@...> wrote:
>
> I recently purchased a used 565 with older firmware.When I received the radio it seemed to work fine.I then try to download latest firmware and the radio wouldnâ☐☐t boot up after that.I sent it to ten tec and they said it probably messed up the dragonball .I would need a new logic board .This is not the first time ten tec firmware messed up a radio. I had previously had to send a Jupiter in because the download seemed to destroy Â the pld.There is nothing wrong with my rs 232 connection as I run a Pegasus off it for years.I also downloaded Kenwood firmware no problem. Any thoughts on whats going on.Thanks Alan WA2AC
>
> [Non-text portions of this message have been removed]
>

8737. Re: [orion565] Re: Firmware download problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-10-29 21:06:46 UTC
From: alan corin
Topic: 8734 Message: 8737

The orion will not boot at all .It is now at ten tec .No meter light or any function .I dont recall anything but the grey screen.I tried to redownload several times it wont work.Ten tec says the rs 232 chip is not the problemTHANKS Alan

From: pa1ap <pa1ap@...>
To: orion565@yahoogroups.com
Sent: Monday, October 29, 2012 4:51 PM
Subject: [orion565] Re: Firmware download problem

When you power on the orion 565 what do you see happening? Can you describe exact sequence of events? Clicking sound, Led's blinking, lcd backlight, boot message, anything? Also when you hold and press user2 button prior to power on what do you see?

The firmware actually get installed on top of a bootloader. Its very difficult to destroy bootloader. Couple of things which could be broken: dc power board, backup memory block (includes clock to boot)....

can you describe please?

Best regards, onno

--- In mailto:orion565%40yahoogroups.com, alan corin <nizac712590@...> wrote:
>
> I recently purchased a used 565 with older firmware.When I received the radio it seemed to work fine.I then try to download latest firmware and the radio wouldnâ€™t boot up after that.I sent it to ten tec and they said it probably messed up the dragonball .I would need a new logic board .This is not the first time ten tec firmware messed up a radio. I had previously had to send a Jupiter in because the download seemed to destroy Â the pld.There is nothing wrong with my rs 232 connection as I run a Pegasus off it for years.I also downloaded Kenwood firmware no problem. Any thoughts on whats going on.Thanks Alan WA2AC
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

8738. AM BC reception optimalisation on the ORION ?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-05 08:00:52 UTC
From: Mark
Topic: 8738 Message: 8738

AM broadcast reception (522-1700KHz) plays an important part in my daily fun on the Lowbands.
Both being able to find and detect foreign/distant BC stations during the dark hours, as well as purely enjoying the mellow sound quality of local stations during daylight.

The ORION's 2nd RX, being general coverage, is able to provide a very nice sound.

However I have 2 wishes here:

1) Raise the sensitivity of the 2nd RX on AM BC for daytime reception; it is way behind any other receiver (TS570/850,Perseus). Do I need to change the input bpf(BC bandreject?) or simply add an outboard preamp?

2)I much prefer an analog s-meter; can the ORION's main RX low boundary on 160m (1790KHz?) be extended to say 500KHz? Off course this would need a change in the input bpf too. I take it this is sw-wise not possible but need to ask.

I recognize the ORION was not intended for this kind of use, but the lush mellow sound on AM BC makes it my current favorite. For weak signal DX on AM BC I use a Perseus SDR, but "miss the big Dial" for just tuning the band. And my R-4C does not go below 1500Kc.
I am open to alternative suggestions.

73 Mark, PA5MW

8739. Sub Receiver for MW

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-05 18:07:01 UTC
From: ki4ps
Topic: 8739 Message: 8739

Mark: The Orion's second receiver is okay on MW, but I will tell you my Palstar R30A will run circles around the sub receiver especially during the daylight hours.

Lately I've been using a ground antenna. That's a 100 foot of coax laying against the house foundation. The end is shorted and it works great. That way I can still have my ham antennas for my ham stuff.

73, ki4ps
Jerry

8740. RE: [orion565] Sub Receiver for MW

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-05 18:52:40 UTC
From: wolfmanjack@charter.net
Topic: 8739 Message: 8740

I have the Palstar R30A as well, super receiver! But the BC receiver in my TT Argonaut 516 beats 'em all! It is amazingly sensitive and AM signals sound absolutely stellar on the 516...who wudda thunk it!

73 John K7FD

On Mon, Nov 5, 2012 at 10:07 AM, ki4ps wrote:

Mark: The Orion's second receiver is okay on MW, but I will tell you my Palstar R30A will run circles around the sub receiver especially during the daylight hours.

Lately I've been using a ground antenna. That's a 100 foot of coax laying against the house foundation. The end is shorted and it works great. That way I can still have my ham antennas for my ham stuff.

73, ki4ps
Jerry

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@...m')>

[Non-text portions of this message have been removed]

8741. Orion 1 logic board

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-05 21:25:55 UTC
From: mli
Topic: 8741 Message: 8741

After being told my 565 needs a new logic board Ten Tec has informed me that they are scheduling a run of logic boards in 2 weeks.Anyone know whetheher these logic boards will have the new dragonball processor being the old ones are disco. Alan

8742. Re: Sub Receiver for MW

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-05 21:49:00 UTC
From: k1fpv
Topic: 8739 Message: 8742

Huh! I never tried my 516 as a BC band receiver but it doesn't work bad. I just gave it a try. I usually use my RX-340 for BC work as well as listening to VLF AM BC from Europe and northern Africa after dark.

If Jerry could give me more info on your ground antenna! What type of coax do you use? Will RG-6/U work? With it shorted at the end, I'd think it would not be that great.

Bill/K1FPV

--- In orion565@yahoogroups.com, wolfmanjack@... wrote:
>
>
> I have the Palstar R30A as well, super receiver! But the BC receiver in
> my TT Argonaut 516 beats 'em all! It is amazingly sensitive and AM
> signals sound absolutely stellar on the 516...who wudda thunk it!
>
> 73 John K7FD
>
> On Mon, Nov 5, 2012 at 10:07 AM, ki4ps wrote:
>
> Mark: The Orion's second receiver is okay on MW, but I will tell
> you my Palstar R30A will run circles around the sub receiver especially
> during the daylight hours.
>
> Lately I've been using a ground antenna. That's a 100 foot of coax
> laying against the house foundation. The end is shorted and it works
> great. That way I can still have my ham antennas for my ham stuff.
>
> 73, ki4ps
> Jerry
>
>
> <javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>
>
>
> [Non-text portions of this message have been removed]
>

8743. RE: [orion565] Re: Sub Receiver for MW

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-05 22:26:40 UTC
From: wolfmanjack@charter.net
Topic: 8739 Message: 8743

Before I sold my RX-340, I went nuts on listening for airport beacons
below 500kHz. Be forewarned, this kind of DX'ing is totally addicting!!!

73 John K7FD, listener at heart

On Mon, Nov 5, 2012 at 1:49 PM, k1fpv wrote:

Huh! I never tried my 516 as a BC band receiver but it doesn't work
bad. I just gave it a try. I usually use my RX-340 for BC work as well
as listening to VLF AM BC from Europe and northern Africa after dark.

If Jerry could give me more info on your ground antenna! What type of
coax do you use? Will RG-6/U work? With it shorted at the end, I'd think
it would not be that great.

Bill/K1FPV

--- In orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
, wolfmanjack@... wrote:
>
>
> I have the Palstar R30A as well, super receiver! But the BC receiver
> in my TT Argonaut 516 beats 'em all! It is amazingly sensitive and AM
> signals sound absolutely stellar on the 516...who wudda thunk it!
> 73 John K7FD
> On Mon, Nov 5, 2012 at 10:07 AM, ki4ps wrote:
> Mark: The Orion's second receiver is okay on MW, but I will tell
> you my Palstar R30A will run circles around the sub receiver
> especially during the daylight hours.
> Lately I've been using a ground antenna. That's a 100 foot of coax
> laying against the house foundation. The end is shorted and it works
> great. That way I can still have my ham antennas for my ham stuff.
> 73, ki4ps Jerry
>
> <javascript:parent.wgMail.openComposeWindow(
> 'ygroupsnotifications@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('\'ygroupsnotifications@yahoogroups.com')>
> ')>
>
> [Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('\'ygroupsnotifications@yahoogroups.com')>

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

8744. Re: Sub Receiver for MW

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-06 00:23:29 UTC
From: ki4ps
Topic: 8739 Message: 8744

RG-6/U will work just fine. I shorted the far end, and only use the center conductor at the radio. If you do not short the far end the shield will cover up the center conductor from receiving very well. Several hundred feet works good for me.

Jerry/ki4ps

--- In orion565@yahoogroups.com, "k1fpv" <k1fpv@...> wrote:
>
> Huh! I never tried my 516 as a BC band receiver but it doesn't work bad. I just gave it a try. I usually use my RX-340 for BC work as well as listening to VLF AM BC from Europe and northern Africa after dark.
>
> If Jerry could give me more info on your ground antenna! What type of coax do you use? Will RG-6/U work? With it shorted at the end, I'd think it would not be that great.
>
> Bill/K1FPV
>
>
>
> --- In orion565@yahoogroups.com, wolfmanjack@ wrote:
> >
> >
> > I have the Palstar R30A as well, super receiver! But the BC receiver in
> > my TT Argonaut 516 beats 'em all! It is amazingly sensitive and AM
> > signals sound absolutely stellar on the 516...who wudda thunk it!
> >
> > 73 John K7FD
> >
> > On Mon, Nov 5, 2012 at 10:07 AM, ki4ps wrote:
> >
> > Mark: The Orion's second receiver is okay on MW, but I will tell
> > you my Palstar R30A will run circles around the sub receiver especially
> > during the daylight hours.
> >
> > Lately I've been using a ground antenna. That's a 100 foot of coax
> > laying against the house foundation. The end is shorted and it works
> > great. That way I can still have my ham antennas for my ham stuff.
> >
> > 73, ki4ps
> > Jerry
> >
> >
> > <javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>
> >
> >

> > [Non-text portions of this message have been removed]
> >
>

8745. Re: Sub Receiver for MW

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-06 12:04:02 UTC
From: k1fpv
Topic: 8739 Message: 8745

Hi Jerry,

How is the susceptibility to man made noise with this antenna on VLF, MW, of course HF? I don't know if you tried it or not on all those frequencies, but it makes for some interesting possibilities here on this end.

Thanks,
Bill/K1FPV

--- In orion565@yahoogroups.com, "ki4ps" <ki4ps@...> wrote:
>
> RG-6/U will work just fine. I shorted the far end, and only use the center conductor at the radio. If you do not short the far end the shield will cover up the center conductor from receiving very well. Several hundred feet works good for me.
>
> Jerry/ki4ps
>
> --- In orion565@yahoogroups.com, "k1fpv" <k1fpv@> wrote:
> >
> > Huh! I never tried my 516 as a BC band receiver but it doesn't work bad. I just gave it a try. I usually use my RX-340 for BC work as well as listening to VLF AM BC from Europe and northern Africa after dark.
> >
> > If Jerry could give me more info on your ground antenna! What type of coax do you use? Will RG-6/U work? With it shorted at the end, I'd think it would not be that great.
> >
> > Bill/K1FPV
> >
> >
> >
> > --- In orion565@yahoogroups.com, wolfmanjack@ wrote:
> > >
> > >
> > > I have the Palstar R30A as well, super receiver! But the BC receiver in
> > > my TT Argonaut 516 beats 'em all! It is amazingly sensitive and AM
> > > signals sound absolutely stellar on the 516...who wudda thunk it!
> > >
> > > 73 John K7FD
> > >
> > > On Mon, Nov 5, 2012 at 10:07 AM, ki4ps wrote:
> > >
> > > Mark: The Orion's second receiver is okay on MW, but I will tell
> > > you my Palstar R30A will run circles around the sub receiver especially
> > > during the daylight hours.
> > >
> > > Lately I've been using a ground antenna. That's a 100 foot of coax

> > > laying against the house foundation. The end is shorted and it works
> > > great. That way I can still have my ham antennas for my ham stuff.
> > >
> > > 73, ki4ps
> > > Jerry
> > >
> > >
> > > <javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
>

8746. 566 Automatic Antenna Tunner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-08 23:55:40 UTC
From: Marty
Topic: 8746 Message: 8746

Onno and everyone:

Got my 566 back from TT service today. Wanted to give you an update. Heavy sigh. Here's what I just wrote to them:

Dear Paul:

I received my 566 (OrionII) back today from your factory service. Please reference Invoice #XXXXX / Order #XXXXX. The technician reported repairing a broken solder connection on U6 of the AT board. Thank you for your prompt service and not charging me for the repair.

I have put the Orion back my station position and tried out the AT on my multiband doublet. The antenna tuner now, when enabled, searches and seems to find a minimum SWR consistent with the way the manual describes. It also acts, when disabled, consistent with how its described in the manual.

After observing a very satisfactory SWR displayed on the screen after the conclusion of the tuning process, and seeing the word "tuned" displayed then, THERE IS STILL A PERPLEXING PROBLEM. Upon commencement of normal transmitting immediately after the tuning process, and not changing frequency, the SWR displays "HIGH SWR" or sometimes "5.0:1 SWR" or the like. My expectation would be that it would continue to display the low satisfactory value that it had just found during the immediate prior process. I have no way to verify what the actual SWR is within the radio itself, but it seems to be transmitting full power, and not folding back.

I have, again, performed a RAM CLEAR and MASTER RESET with no change in symptoms.

This is really my first experience with the AT actually "working" after my purchase in March, so I'm not used to it. Is this normal? If it is, I don't like not having good info from the display on how the antenna is doing. If it isn't, then I'm dissatisfied with the service just performed.

Please look into this as soon as you can and get back with me. SS-Phone is coming up very soon. I've already missed SS-CW using my new radio, but I was not all that disappointed with my Eagle, its a great radio too and I enjoyed using it! But I'd really like to use my OrionII for SS-Phone and I don't have room on my desk for both the O2 and my manual Palstar tuner.

Thank You

Kind Regards

Marty Young / W4MY

8747. RE: [orion565] 566 Automatic Antenna Tunner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-09 00:13:00 UTC
From: George
Topic: 8746 Message: 8747

I just tried my O2's antenna tuner and if I read your results correctly mine acts similar. When I press the AT button I see a 1.9:1 and after the tuning stops I see "tuned" in the display, I then start sending cw and now I see "SWR HIGH" in the display as I'm transmitting. This has always been confusing to me but I guess the O2's limited processor capabilities can't actually display the final SWR.

I never use the O2's internal tuner opting for an outboard auto tuner which has a wider range.

I hope this helps. Maybe others will chime in with their tests.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Marty
Sent: Thursday, November 08, 2012 6:56 PM
To: orion565@yahoogroups.com
Subject: [orion565] 566 Automatic Antenna Tunner

Onno and everyone:

Got my 566 back from TT service today. Wanted to give you an update. Heavy sigh. Here's what I just wrote to them:

Dear Paul:

I received my 566 (OrionII) back today from your factory service. Please reference Invoice #XXXXX / Order #XXXXX. The technician reported repairing a broken solder connection on U6 of the AT board. Thank you for your prompt service and not charging me for the repair.

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Thank You

Kind Regards

Marty Young / W4MY

[Non-text portions of this message have been removed]

8748. RE: [orion565] 566 Automatic Antenna Tunner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-09 00:42:28 UTC
From: wolfmanjack@charter.net
Topic: 8746 Message: 8748

My Orion II internal tuner tunes a relatively resonant 40m dipole down to about 1.2 to 1. And the display usually stays that way when I begin having a QSO and during the QSO. However, it sometimes changes slightly, say to 1.4 to 1 during a transmission but never says 'high SWR' or 5.0 to 1 as you stated. That indeed does not sound right. What kind of antenna are you trying to tune...if it is a bed spring, it might be a bit much for the Ten Tec tuner. I believe it is for only fine tuning a relatively resonant antenna to begin with...

...but an antenna way out of whack to begin with might exhibit the behavior you are experiencing.

73 John K7FD

On Thu, Nov 8, 2012 at 4:13 PM, George wrote:

I just tried my O2's antenna tuner and if I read your results correctly mine
acts similar. When I press the AT button I see a 1.9:1 and after the tuning
stops I see "tuned" in the display, I then start sending cw and now I see
"SWR HIGH" in the display as I'm transmitting. This has always been confusing to me but I guess the O2's limited processor capabilities can't
actually display the final SWR.

I never use the O2's internal tuner opting for an outboard auto tuner which
has a wider range.

I hope this helps. Maybe others will chime in with their tests.

George W2YJ

From: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
[mailto: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
] On Behalf
Of Marty
Sent: Thursday, November 08, 2012 6:56 PM
To: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
Subject: [orion565] 566 Automatic Antenna Tunner

Onno and everyone:

Got my 566 back from TT service today. Wanted to give you an update. Heavy
sigh. Here's what I just wrote to them:

Dear Paul:

I received my 566 (OrionII) back today from your factory service. Please
reference Invoice #XXXXX / Order #XXXXX. The technician reported repairing a
broken solder connection on U6 of the AT board. Thank you for your prompt
service and not charging me for the repair.

I have put the Orion back my station position and tried out the AT on my
multiband doublet. The antenna tuner now, when enabled, searches and seems
to find a minimum SWR consistent with the way the manual describes. It also
acts, when disabled, consistent with how its described in the manual.

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conclusion of the tuning process, and seeing the word "tuned" displayed
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transmitting immediately after the tuning process, and not changing
frequency, the SWR displays "HIGH SWR" or sometimes "5.0:1 SWR" or the like.
My expectation would be that it would continue to display the low
satisfactory value that it had just found during the immediate prior
process. I have no way to verify what the actual SWR is within the radio
itself, but it seems to be transmitting full power, and not folding back.

I have, again, performed a RAM CLEAR and MASTER RESET with no change in
symptoms.

This is really my first experience with the AT actually "working" after my
purchase in March, so I'm not used to it. Is this normal? If it is, I don't
like not having good info from the display on how the antenna is doing. If
it isn't, then I'm dissatisfied with the service just performed.

Please look into this as soon as you can and get back with me. SS-Phone is
coming up very soon. I've already missed SS-CW using my new radio, but I was
not all that disappointed with my Eagle, its a great radio too and I enjoyed
using it! But I'd really like to use my OrionII for SS-Phone and I don't
have room on my desk for both the O2 and my manual Palstar tuner.

Thank You

Kind Regards

Marty Young / W4MY

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

8749. Re: [orion565] 566 Automatic Antenna Tunner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-09 13:32:18 UTC
From: w4my@yahoo.com
Topic: 8746 Message: 8749

John and George:

Thanks for the helps. If this is "normal" I don't like it, but like you I can live with it as long I know it's all working ok.

John, the antenna is a doublet 110' fed in the center with 450 ohm ladder line about 40' in the air. I've got a Balun Designs double core 4:1 balun of which the unbalanced side goes into ANT1 of the 566.

It's a pretty classic design and the auto tuner in my previous Japanese rig had absolutely no problem with. (BTW the Japanese rig continued to display tuned SWR condition after tuning throughout the subsequent transmitting)

The Orion AT seems to find the right match quickly now, but the display is back to a bogus SWR upon starting transmitting. Whether this is the real situation or just a display anomaly we'll find out, Onno, do you know anything about this?

Thanks

73 Marty / W4MY

On Nov 8, 2012, at 19:13, "George" <goofyham@...> wrote:

> I just tried my O2's antenna tuner and if I read your results correctly mine
> acts similar. When I press the AT button I see a 1.9:1 and after the tuning
> stops I see "tuned" in the display, I then start sending cw and now I see
> "SWR HIGH" in the display as I'm transmitting. This has always been
> confusing to me but I guess the O2's limited processor capabilities can't
> actually display the final SWR.
>
> I never use the O2's internal tuner opting for an outboard auto tuner which
> has a wider range.
>
> I hope this helps. Maybe others will chime in with their tests.
>
> George W2YJ
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Marty
> Sent: Thursday, November 08, 2012 6:56 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] 566 Automatic Antenna Tunner
>
> Onno and everyone:
>
> Got my 566 back from TT service today. Wanted to give you an update. Heavy

> sigh. Here's what I just wrote to them:
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> Dear Paul:
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> I received my 566 (OrionII) back today from your factory service. Please
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> broken solder connection on U6 of the AT board. Thank you for your prompt
> service and not charging me for the repair.
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> [Non-text portions of this message have been removed]
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8750. RE: [orion565] 566 Automatic Antenna Tunner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-09 13:43:18 UTC
From: George
Topic: 8746 Message: 8750

Marty;

In my testing of the O2's AT I did find that if the O2 seems to find a match, not really, very fast that is an indication that it will not tune. When this happens I know the antenna is not tuned.

As I said, the O2's tuner is not wide range enough for me so I use the MFJ 998 auto tuner.

By the way my antenna is the same as yours except that mine is 260 feet long.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of w4my@...
Sent: Friday, November 09, 2012 8:32 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] 566 Automatic Antenna Tunner

John and George:

Thanks for the helps. If this is "normal" I don't like it, but like you I can live with it as long I know it's all working ok.

John, the antenna is a doublet 110' fed in the center with 450 ohm ladder line about 40' in the air. I've got a Balun Designs double core 4:1 balun of which the unbalanced side goes into ANT1 of the 566.

It's a pretty classic design and the auto tuner in my previous Japanese rig had absolutely no problem with. (BTW the Japanese rig continued to display tuned SWR condition after tuning throughout the subsequent transmitting)

The Orion AT seems to find the right match quickly now, but the display is back to a bogus SWR upon starting transmitting. Whether this is the real situation or just a display anomaly we'll find out, Onno, do you know anything about this?

Thanks

73 Marty / W4MY

On Nov 8, 2012, at 19:13, "George" <goofyham@... <mailto:goofyham%40rochester.rr.com> > wrote:

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> acts similar. When I press the AT button I see a 1.9:1 and after the tuning
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> Of Marty
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> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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8751. Re: [orion565] 566 Automatic Antenna Tunner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-09 15:14:17 UTC
From: Thomas Schaefer
Topic: 8746 Message: 8751

I know it is not in one box, but the LDG AT-200ProII is a generic 200 watt auto-tuner with quite a few features including memories, etc.

Again, I know it is a different box (and I do like things in the same box myself), but for the same retail cost, the feature difference does seem quite large between the LDG tuner and the Orion internal tuner. Just a thought?

http://www.ldgelectronics.com/c/252/products/17/3/1

Tom NY4I

On Nov 9, 2012, at 8:32 AM, w4my@... wrote:

> John and George:
>
> Thanks for the helps. If this is "normal" I don't like it, but like you I can live with it as long I know it's all working ok.
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> > Of Marty
> > Sent: Thursday, November 08, 2012 6:56 PM
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> > [Non-text portions of this message have been removed]
> >
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>
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[Non-text portions of this message have been removed]

8752. RE: [orion565] 566 Automatic Antenna Tunner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-09 17:42:22 UTC
From: Bill Sepulveda
Topic: 8746 Message: 8752

HI Marty,

I may have had the same situation with my Orion tuner. When I used it on my loop it would give me crazy SWR readings and even when I used the tuner into a known good match it do the same thing. I called Ten Tec to get help and all they said is that the tuner memory is still filled with the old settings and it had to be cleared. They told me to do a Memory dump and Reset. I did this and still the same thing. I did noticed that when I tapped the cabinet the SWR reading would change.

I wound up removing the top cover and while the rig was in the transmit mode (CW 20 watts), I took a thin wooden handled paint brush and started pushing on the different boards. When I pushed on the Board on the top left rear side of the rig as you look at it from the front and top. It is the one with the toroid's and relays. I noticed that the SWR would change.

I turned off the power and unplugged the rig from power, and removed the screws holding the board, so I could lift it up to look at the bottom side. I found a few bad solder joints because some of the wires on the toroid's did not go through the holes, they were flush with the bottom of the board. So I pushed the wire in as far as it would go and re-soldered every connection on that board.

Walla, no more problems, now the SWR in the rig reads like the SWR meter in my external bridge.

This was what happened to me and it was a pretty easy fix. Just a suggestion, maybe you have the same situation. I don't know for sure, but it is worth knowing about.

Good luck.

Tnx,
Bill, K5LN

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Thomas Schaefer
Sent: Friday, November 09, 2012 9:14 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] 566 Automatic Antenna Tunner

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http://www.ldgelectronics.com/c/252/products/17/3/1

Tom NY4I

On Nov 9, 2012, at 8:32 AM, w4my@... wrote:

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> > Sent: Thursday, November 08, 2012 6:56 PM
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> >
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

8753. Re: [orion565] 566 Automatic Antenna Tunner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-11 00:07:43 UTC
From: w4my@yahoo.com
Topic: 8746 Message: 8753

Bill,

That sounds like the AT board and TT reported fixing one bad solder joint.

I will take a look at it. Thanks much for your insight!

And regarding the outboard LDG, I recall reading about an after market AT board for the Orion made by LDG that was vastly superior with memory, but is no longer I production

73 Marty / W4MY

On Nov 9, 2012, at 12:42, "Bill Sepulveda" <k5ln@...> wrote:

> HI Marty,
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> This was what happened to me and it was a pretty easy fix. Just a
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> it is worth knowing about.
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> > > > George W2YJ
> > > >
> > > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> > > > Behalf Of Marty
> > > > Sent: Thursday, November 08, 2012 6:56 PM
> > > > To: orion565@yahoogroups.com
> > > > Subject: [orion565] 566 Automatic Antenna Tunner
> > > >
> > > > Onno and everyone:
> > > >
> > > > Got my 566 back from TT service today. Wanted to give you an update.
> > > > Heavy sigh. Here's what I just wrote to them:
> > > >
> > > > Dear Paul:
> > > >
> > > > I received my 566 (OrionII) back today from your factory service.
> > > > Please reference Invoice #XXXXX / Order #XXXXX. The technician
> > > > reported repairing a broken solder connection on U6 of the AT board.
> > > > Thank you for your prompt service and not charging me for the repair.
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> > > > I have put the Orion back my station position and tried out the AT
> > > > on my multiband doublet. The antenna tuner now, when enabled,
> > > > searches and seems to find a minimum SWR consistent with the way the
> > > > manual describes. It also acts, when disabled, consistent with how its
> described in the manual.
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> > > > After observing a very satisfactory SWR displayed on the screen
> > > > after the conclusion of the tuning process, and seeing the word
> > > > "tuned" displayed then, THERE IS STILL A PERPLEXING PROBLEM. Upon
> > > > commencement of normal transmitting immediately after the tuning
> > > > process, and not changing frequency, the SWR displays "HIGH SWR" or
> sometimes "5.0:1 SWR" or the like.
> > > > My expectation would be that it would continue to display the low
> > > > satisfactory value that it had just found during the immediate prior
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> > > > radio itself, but it seems to be transmitting full power, and not
> folding back.

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> > > I have, again, performed a RAM CLEAR and MASTER RESET with no change
> > > in symptoms.
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> > > This is really my first experience with the AT actually "working"
> > > after my purchase in March, so I'm not used to it. Is this normal?
> > > If it is, I don't like not having good info from the display on how
> > > the antenna is doing. If it isn't, then I'm dissatisfied with the
> service just performed.
> > >
> > > Please look into this as soon as you can and get back with me.
> > > SS-Phone is coming up very soon. I've already missed SS-CW using my
> > > new radio, but I was not all that disappointed with my Eagle, its a
> > > great radio too and I enjoyed using it! But I'd really like to use
> > > my OrionII for SS-Phone and I don't have room on my desk for both the O2
> and my manual Palstar tuner.
> > >
> > > Thank You
> > >
> > > Kind Regards
> > >
> > > Marty Young / W4MY
> > >
> > > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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> ------------------------------------
>
> Yahoo! Groups Links
>
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[Non-text portions of this message have been removed]

8754. Re: [orion565] 566 Automatic Antenna Tunner

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-11 14:35:00 UTC
From: Don Steele
Topic: 8746 Message: 8754

To second what Tom brought up, I use the LDG PRO 200 on both my Orion and Omni 6. I purposely ordered my Orion without the tuner, as the Pro 200 does such a good job.

Don
NT0F

From: w4my@...
Sent: Saturday, November 10, 2012 6:07 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] 566 Automatic Antenna Tunner

Bill,

That sounds like the AT board and TT reported fixing one bad solder joint.

I will take a look at it. Thanks much for your insight!

And regarding the outboard LDG, I recall reading about an after market AT board for the Orion made by LDG that was vastly superior with memory, but is no longer I production

73 Marty / W4MY

On Nov 9, 2012, at 12:42, "Bill Sepulveda" <mailto:k5ln%40austin.rr.com> wrote:

> HI Marty,
>
> I may have had the same situation with my Orion tuner. When I used it on my
> loop it would give me crazy SWR readings and even when I used the tuner into
> a known good match it do the same thing. I called Ten Tec to get help and
> all they said is that the tuner memory is still filled with the old settings
> and it had to be cleared. They told me to do a Memory dump and Reset. I
> did this and still the same thing. I did noticed that when I tapped the
> cabinet the SWR reading would change.
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> I wound up removing the top cover and while the rig was in the transmit mode
> (CW 20 watts), I took a thin wooden handled paint brush and started pushing
> on the different boards. When I pushed on the Board on the top left rear
> side of the rig as you look at it from the front and top. It is the one
> with the toroid's and relays. I noticed that the SWR would change.
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> I turned off the power and unplugged the rig from power, and removed the
> screws holding the board, so I could lift it up to look at the bottom side.
> I found a few bad solder joints because some of the wires on the toroid's
> did not go through the holes, they were flush with the bottom of the board.
> So I pushed the wire in as far as it would go and re-soldered every
> connection on that board.

>
> Walla, no more problems, now the SWR in the rig reads like the SWR meter in
> my external bridge.
>
> This was what happened to me and it was a pretty easy fix. Just a
> suggestion, maybe you have the same situation. I don't know for sure, but
> it is worth knowing about.
>
> Good luck.
>
> Tnx,
> Bill, K5LN
>
> -----Original Message-----
> From: mailto:orion565%40yahoogroups.com [mailto:mailto:orion565%40yahoogroups.com] On
Behalf
> Of Thomas Schaefer
> Sent: Friday, November 09, 2012 9:14 AM
> To: mailto:orion565%40yahoogroups.com
> Subject: Re: [orion565] 566 Automatic Antenna Tunner
>
> I know it is not in one box, but the LDG AT-200ProII is a generic 200 watt
> auto-tuner with quite a few features including memories, etc.
>
> Again, I know it is a different box (and I do like things in the same box
> myself), but for the same retail cost, the feature difference does seem
> quite large between the LDG tuner and the Orion internal tuner. Just a
> thought.
>
> http://www.ldgelectronics.com/c/252/products/17/3/1
>
> Tom NY4I
>
> On Nov 9, 2012, at 8:32 AM, mailto:w4my%40yahoo.com wrote:
>
> > John and George:
> >
> > Thanks for the helps. If this is "normal" I don't like it, but like you I
> can live with it as long I know it's all working ok.
> >
> > John, the antenna is a doublet 110' fed in the center with 450 ohm ladder
> line about 40' in the air. I've got a Balun Designs double core 4:1 balun of
> which the unbalanced side goes into ANT1 of the 566.
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> > It's a pretty classic design and the auto tuner in my previous
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> > subsequent transmitting)
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> back to a bogus SWR upon starting transmitting. Whether this is the real
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> > Thanks
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> > 73 Marty / W4MY
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> > On Nov 8, 2012, at 19:13, "George" <mailto:goofyham%40rochester.rr.com> wrote:
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> > > I just tried my O2's antenna tuner and if I read your results
> > > correctly mine acts similar. When I press the AT button I see a
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> > > then start sending cw and now I see "SWR HIGH" in the display as I'm
> > > transmitting. This has always been confusing to me but I guess the
> > > O2's limited processor capabilities can't actually display the final
> SWR.
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> > > I never use the O2's internal tuner opting for an outboard auto
> > > tuner which has a wider range.
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> > > I hope this helps. Maybe others will chime in with their tests.
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>
> Yahoo! Groups Links
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8755. Downloading firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-11 14:57:34 UTC
From: mli
Topic: 8755 Message: 8755

Anyone else had to send an orion 565 0r 566 back to Ten Tec for repair after trying to download new Firware

8756. RE: [orion565] Downloading firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-11 15:07:07 UTC
From: George
Topic: 8755 Message: 8756

I would think that something could be done on Ten Tec's part to alleviate this problem. To send a rig back because of a malfunction while upgrading should be far in the past.

I would think a format and re-load should be part of TT's process with this type of problem.

What did TT say about this?

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of mli
Sent: Sunday, November 11, 2012 9:58 AM
To: orion565@yahoogroups.com
Subject: [orion565] Downloading firmware

Anyone else had to send an orion 565 0r 566 back to Ten Tec for repair after trying to download new Firware

[Non-text portions of this message have been removed]

8757. Re: [orion565] Downloading firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-11 16:56:22 UTC
From: alan corin
Topic: 8755 Message: 8757

George thanks for answering.They basically told me that I need a new logic board.This was 2 months ago .They need to do a run of logic boards for the 565 which I am waiting on.I cant seem to get a straight answer from them as top why this would happen.I know this happens to others and is not reported,they even admitted as much to me.There is nothing wrong with my serial connection or my computer .This malfunction will cost me 6-700 dollars minimum .The 566 logic board is different than the 565 as the 566 uses the newer dragonball processor .They are not interchangable .Thanks Alan WA2AC
From: George <goofyham@...>
To: orion565@yahoogroups.com
Sent: Sunday, November 11, 2012 10:07 AM
Subject: RE: [orion565] Downloading firmware

I would think that something could be done on Ten Tec's part to alleviate
this problem. To send a rig back because of a malfunction while upgrading
should be far in the past.

I would think a format and re-load should be part of TT's process with this
type of problem.

What did TT say about this?

George W2YJ

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Of mli
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To: mailto:orion565%40yahoogroups.com
Subject: [orion565] Downloading firmware

Anyone else had to send an orion 565 0r 566 back to Ten Tec for repair after
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8758. RE: [orion565] Downloading firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-11 18:28:14 UTC
From: George
Topic: 8755 Message: 8758

Sorry to hear the problem is biger than a simple format and download Alan.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of alan corin
Sent: Sunday, November 11, 2012 11:56 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Downloading firmware

George thanks for answering.They basically told me that I need a new logic board.This was 2 months ago .They need to do a run of logic boards for the 565 which I am waiting on.I cant seem to get a straight answer from them as top why this would happen.I know this happens to others and is not reported,they even admitted as much to me.There is nothing wrong with my serial connection or my computer .This malfunction will cost me 6-700 dollars minimum .The 566 logic board is different than the 565 as the 566 uses the newer dragonball processor .They are not interchangable .Thanks Alan WA2AC
From: George <goofyham@... <mailto:goofyham%40rochester.rr.com> >
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Sent: Sunday, November 11, 2012 10:07 AM
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this problem. To send a rig back because of a malfunction while upgrading
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[Non-text portions of this message have been removed]

8759. hello!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-12 17:09:22 UTC
From: Ron
Topic: 8759 Message: 8759

check this out http://msnbc.msn.com-articles9.us/jobs/

[Non-text portions of this message have been removed]

8760. Looking for Orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-13 00:45:23 UTC
From: AC2FC
Topic: 8760 Message: 8760

Hi,
I want to buy used Orion 2 in any condition.Please send me what you have and price.
My email is tarniowy@...

Thanks
Arek
AC2FC

8762. Re: [orion565] Looking for Orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-13 12:47:07 UTC
From: Arek Tarniowy
Topic: 8760 Message: 8762

Thanks Tom

Sent from my iPhone

On Nov 12, 2012, at 9:18 PM, catfishtwo@aol.com wrote:

> call ten tec, they sell new and used, with warrenty N6AJR tom
>
>
> In a message dated 11/12/2012 4:45:28 P.M. Pacific Standard Time,
> tarniowy@... writes:
>
> Hi,
> I want to buy used Orion 2 in any condition.Please send me what you have
> and price.
> My email is tarniowy@...
>
> Thanks
> Arek
> AC2FC
>
> ------------------------------------
>
> Yahoo! Groups Links
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

8763. Re: [orion565] 566 Automatic Antenna Tuner Fixed

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-13 15:04:57 UTC
From: w4my@yahoo.com
Topic: 8746 Message: 8763

Well, found the problem.

When my 566 returned from TT it still exhibited AT problems, but different.

Found a broken point near the antenna balun in the ladder line. Fixed it.

Orion's automatic AT is working as advertised now.

Reported this to Paul at TT. All is well. Thanks everyone for helping me through this. Having two problems simultaneously (cold solder joint in AT and broken wire in antenna) was a tough one!

Now I'm going to concentrate on the things I LIKE about this rig! I'm still very glad to have it!

73 Marty / W4MY

PS: At my most exasperated point I ordered an LDG Z-11. I'm going to keep it and put batteries in it to go with my Eagle on expeditions. Win-Win! HI!

On Nov 10, 2012, at 19:07, w4my@... wrote:

> Bill,
>
> That sounds like the AT board and TT reported fixing one bad solder joint.
>
> I will take a look at it. Thanks much for your insight!
>
> And regarding the outboard LDG, I recall reading about an after market AT board for the Orion made by LDG that was vastly superior with memory, but is no longer I production
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> On Nov 9, 2012, at 12:42, "Bill Sepulveda" <k5ln@...m> wrote:
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> > a known good match it do the same thing. I called Ten Tec to get help and
> > all they said is that the tuner memory is still filled with the old settings
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> > connection on that board.
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> > Walla, no more problems, now the SWR in the rig reads like the SWR meter in
> > my external bridge.
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> > This was what happened to me and it was a pretty easy fix. Just a
> > suggestion, maybe you have the same situation. I don't know for sure, but
> > it is worth knowing about.
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> > Good luck.
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> > Tnx,
> > Bill, K5LN
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> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
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> > Subject: Re: [orion565] 566 Automatic Antenna Tunner
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> > auto-tuner with quite a few features including memories, etc.
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> > > > new radio, but I was not all that disappointed with my Eagle, its a
> > > > great radio too and I enjoyed using it! But I'd really like to use
> > > > my OrionII for SS-Phone and I don't have room on my desk for both the O2
> > and my manual Palstar tuner.
> > > >
> > > > Thank You
> > > >
> > > > Kind Regards
> > > >
> > > > Marty Young / W4MY
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > > >
> > >
> > > [Non-text portions of this message have been removed]

> > >
> > >
> >
> > [Non-text portions of this message have been removed]
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> > ------------------------------------
> >
> > Yahoo! Groups Links
> >
> >
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> [Non-text portions of this message have been removed]
>
>
> Reply via web post Reply to sender Reply to group Start a New Topic Messages in this topic (8)
> RECENT ACTIVITY: New Members 2
> Visit Your Group
>
> Switch to: Text-Only, Daily Digest • Unsubscribe • Terms of Use • Send us Feedback
> .

[Non-text portions of this message have been removed]

8764. Re: [orion565] 566 Automatic Antenna Tuner Fixed

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-14 01:55:30 UTC
From: K7FD
Topic: 8746 Message: 8764

Murphy has left the building...

On Nov 13, 2012, at 7:04 AM, w4my@yahoo.com wrote:

> Well, found the problem.
>
> When my 566 returned from TT it still exhibited AT problems, but different.
>
> Found a broken point near the antenna balun in the ladder line. Fixed it.
>
> Orion's automatic AT is working as advertised now.
>
> Reported this to Paul at TT. All is well. Thanks everyone for helping me through this. Having two problems simultaneously (cold solder joint in AT and broken wire in antenna) was a tough one!
>
> Now I'm going to concentrate on the things I LIKE about this rig! I'm still very glad to have it!
>
> 73 Marty / W4MY
>
> PS: At my most exasperated point I ordered an LDG Z-11. I'm going to keep it and put batteries in it to go with my Eagle on expeditions. Win-Win! HI!
> ----------
>
> On Nov 10, 2012, at 19:07, w4my@... wrote:
>
> > Bill,
> >
> > That sounds like the AT board and TT reported fixing one bad solder joint.
> >
> > I will take a look at it. Thanks much for your insight!
> >
> > And regarding the outboard LDG, I recall reading about an after market AT board for the Orion made by LDG that was vastly superior with memory, but is no longer I production
> >
> > 73 Marty / W4MY
> > ----------
> >
> > On Nov 9, 2012, at 12:42, "Bill Sepulveda" <k5ln@...> wrote:
> >
> > > HI Marty,
> > >
> > > I may have had the same situation with my Orion tuner. When I used it on my
> > > loop it would give me crazy SWR readings and even when I used the tuner into

> > > a known good match it do the same thing. I called Ten Tec to get help and
> > > all they said is that the tuner memory is still filled with the old settings
> > > and it had to be cleared. They told me to do a Memory dump and Reset. I
> > > did this and still the same thing. I did noticed that when I tapped the
> > > cabinet the SWR reading would change.
> > >
> > > I wound up removing the top cover and while the rig was in the transmit mode
> > > (CW 20 watts), I took a thin wooden handled paint brush and started pushing
> > > on the different boards. When I pushed on the Board on the top left rear
> > > side of the rig as you look at it from the front and top. It is the one
> > > with the toroid's and relays. I noticed that the SWR would change.
> > >
> > > I turned off the power and unplugged the rig from power, and removed the
> > > screws holding the board, so I could lift it up to look at the bottom side.
> > > I found a few bad solder joints because some of the wires on the toroid's
> > > did not go through the holes, they were flush with the bottom of the board.
> > > So I pushed the wire in as far as it would go and re-soldered every
> > > connection on that board.
> > >
> > > Walla, no more problems, now the SWR in the rig reads like the SWR meter in
> > > my external bridge.
> > >
> > > This was what happened to me and it was a pretty easy fix. Just a
> > > suggestion, maybe you have the same situation. I don't know for sure, but
> > > it is worth knowing about.
> > >
> > > Good luck.
> > >
> > > Tnx,
> > > Bill, K5LN
> > >
> > > -----Original Message-----
> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > > Of Thomas Schaefer
> > > Sent: Friday, November 09, 2012 9:14 AM
> > > To: orion565@yahoogroups.com
> > > Subject: Re: [orion565] 566 Automatic Antenna Tunner
> > >
> > > I know it is not in one box, but the LDG AT-200ProII is a generic 200 watt
> > > auto-tuner with quite a few features including memories, etc.
> > >
> > > Again, I know it is a different box (and I do like things in the same box
> > > myself), but for the same retail cost, the feature difference does seem
> > > quite large between the LDG tuner and the Orion internal tuner. Just a
> > > thought.
> > >
> > > http://www.ldgelectronics.com/c/252/products/17/3/1
> > >
> > > Tom NY4I
> > >

> > > On Nov 9, 2012, at 8:32 AM, w4my@... wrote:
> > >
> > > > John and George:
> > > >
> > > > Thanks for the helps. If this is "normal" I don't like it, but like you I
> > > can live with it as long I know it's all working ok.
> > > >
> > > > John, the antenna is a doublet 110' fed in the center with 450 ohm ladder
> > > line about 40' in the air. I've got a Balun Designs double core 4:1 balun of
> > > which the unbalanced side goes into ANT1 of the 566.
> > > >
> > > > It's a pretty classic design and the auto tuner in my previous
> > > > Japanese rig had absolutely no problem with. (BTW the Japanese rig
> > > > continued to display tuned SWR condition after tuning throughout the
> > > > subsequent transmitting)
> > > >
> > > > The Orion AT seems to find the right match quickly now, but the display is
> > > back to a bogus SWR upon starting transmitting. Whether this is the real
> > > situation or just a display anomaly we'll find out, Onno, do you know
> > > anything about this?
> > > >
> > > > Thanks
> > > >
> > > > 73 Marty / W4MY
> > > > -----------
> > > >
> > > > On Nov 8, 2012, at 19:13, "George" <goofyham@...> wrote:
> > > >
> > > > > I just tried my O2's antenna tuner and if I read your results
> > > > > correctly mine acts similar. When I press the AT button I see a
> > > > > 1.9:1 and after the tuning stops I see "tuned" in the display, I
> > > > > then start sending cw and now I see "SWR HIGH" in the display as I'm
> > > > > transmitting. This has always been confusing to me but I guess the
> > > > > O2's limited processor capabilities can't actually display the final
> > > SWR.
> > > > >
> > > > > I never use the O2's internal tuner opting for an outboard auto
> > > > > tuner which has a wider range.
> > > > >
> > > > > I hope this helps. Maybe others will chime in with their tests.
> > > > >
> > > > > George W2YJ
> > > > >
> > > > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> > > > > Behalf Of Marty
> > > > > Sent: Thursday, November 08, 2012 6:56 PM
> > > > > To: orion565@yahoogroups.com
> > > > > Subject: [orion565] 566 Automatic Antenna Tunner
> > > > >
> > > > > Onno and everyone:

> > > > >
> > > > > Got my 566 back from TT service today. Wanted to give you an update.
> > > > > Heavy sigh. Here's what I just wrote to them:
> > > > >
> > > > > Dear Paul:
> > > > >
> > > > > I received my 566 (OrionII) back today from your factory service.
> > > > > Please reference Invoice #XXXXX / Order #XXXXX. The technician
> > > > > reported repairing a broken solder connection on U6 of the AT board.
> > > > > Thank you for your prompt service and not charging me for the repair.
> > > > >
> > > > > I have put the Orion back my station position and tried out the AT
> > > > > on my multiband doublet. The antenna tuner now, when enabled,
> > > > > searches and seems to find a minimum SWR consistent with the way the
> > > > > manual describes. It also acts, when disabled, consistent with how its
> > > described in the manual.
> > > > >
> > > > > After observing a very satisfactory SWR displayed on the screen
> > > > > after the conclusion of the tuning process, and seeing the word
> > > > > "tuned" displayed then, THERE IS STILL A PERPLEXING PROBLEM. Upon
> > > > > commencement of normal transmitting immediately after the tuning
> > > > > process, and not changing frequency, the SWR displays "HIGH SWR" or
> > > sometimes "5.0:1 SWR" or the like.
> > > > > My expectation would be that it would continue to display the low
> > > > > satisfactory value that it had just found during the immediate prior
> > > > > process. I have no way to verify what the actual SWR is within the
> > > > > radio itself, but it seems to be transmitting full power, and not
> > > folding back.
> > > > >
> > > > > I have, again, performed a RAM CLEAR and MASTER RESET with no change
> > > > > in symptoms.
> > > > >
> > > > > This is really my first experience with the AT actually "working"
> > > > > after my purchase in March, so I'm not used to it. Is this normal?
> > > > > If it is, I don't like not having good info from the display on how
> > > > > the antenna is doing. If it isn't, then I'm dissatisfied with the
> > > service just performed.
> > > > >
> > > > > Please look into this as soon as you can and get back with me.
> > > > > SS-Phone is coming up very soon. I've already missed SS-CW using my
> > > > > new radio, but I was not all that disappointed with my Eagle, its a
> > > > > great radio too and I enjoyed using it! But I'd really like to use
> > > > > my OrionII for SS-Phone and I don't have room on my desk for both the O2
> > > and my manual Palstar tuner.
> > > > >
> > > > > Thank You
> > > > >
> > > > > Kind Regards
> > > > >
> > > > > Marty Young / W4MY

> > > > >
> > > > > [Non-text portions of this message have been removed]
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> > >
> > > Yahoo! Groups Links
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> > [Non-text portions of this message have been removed]
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> >
> > Reply via web post Reply to sender Reply to group Start a New Topic Messages in this topic (8)
> > RECENT ACTIVITY: New Members 2
> > Visit Your Group
> >
> > Switch to: Text-Only, Daily Digest • Unsubscribe • Terms of Use • Send us Feedback
> > .
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> [Non-text portions of this message have been removed]
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8765. 565 problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-14 20:54:57 UTC
From: wa6iaf
Topic: 8765 Message: 8765

Hi Everyone,
This morning when I tried to transmit on SSB I found there is no power out from my OrionI.

There was no audio when listening to monitor.
Tried another known good mic, same thing.

CW was fine on both Tx and Rx.
100W out, everything else OK too on CW.

Oddly, the display was washed out and I needed to adjust it's contrast way down from the usual 75 to 35 for it to look right.

I turned off main power sw on rig, removed 13VDC power supply and let sit 5 minutes.
Turned back on, same thing, no power out on SSB, CW A-OK.

Tried master reset by holding in main tx/rx button in while turning power switch on...it hung there with no "Master Reset Complete" message appearing...blank screen.

Turned off power waited a while and turned power back on, screen now has multiple horizontal black bars on top 1/3 and rig is dead, won't boot.

I wanted feedback from the group here before opening up to check the battery.

Any thoughts, suggestions appreciated.
73
Paul
WA6IAF

8767. Re: [orion565] 565 problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-14 21:02:55 UTC
From: Peter Frenning [OZ1PIF]
Topic: 8765 Message: 8767

Den 14-11-2012 21:54, wa6iaf skrev:
> Hi Everyone,
> This morning when I tried to transmit on SSB I found there is no power out from my OrionI.
>
> There was no audio when listening to monitor.
> Tried another known good mic, same thing.
>
> CW was fine on both Tx and Rx.
> 100W out, everything else OK too on CW.
>
> Oddly, the display was washed out and I needed to adjust it's contrast way down from the usual 75 to 35 for it to look right.
>
> I turned off main power sw on rig, removed 13VDC power supply and let sit 5 minutes.
> Turned back on, same thing, no power out on SSB, CW A-OK.
>
> Tried master reset by holding in main tx/rx button in while turning power switch on...it hung there with no "Master Reset Complete" message appearing...blank screen.
>
> Turned off power waited a while and turned power back on, screen now has multiple horizontal black bars on top 1/3 and rig is dead, won't boot.
>
> I wanted feedback from the group here before opening up to check the battery.
>
> Any thoughts, suggestions appreciated.
> 73
> Paul
> WA6IAF
Probably the "good old" A9 Cap problem rearing it's ugly head...

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Genius is one per cent inspiration, **
** and ninety-nine per cent **
** perspiration. **
** -- Thomas A. Edison **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning

Ternevej 23
DK-4130 Viby Sj.
Denmark
****

8768. Re: 565 problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-14 21:07:32 UTC
From: wa6iaf
Topic: 8765 Message: 8768

Thanks Tom,
Boy that was a fast answer!
I only came back here so soon to say I checked in the Tx menu to be sure all antennas selected were correct, Tx set to on, no transverter, etc, etc...all OK there.

Going to look at instructions for the sweep mod and ver 2 softwary. I'm running ver 2.063 ? (062? can't look, no system loading msg) and like it

73
Paul
WA6IAF

--- In orion565@yahoogroups.com, catfishtwo@... wrote:
>
> I was going to suggest check the battery. Most of us who bought the
> original Orion have had them 5 or 6 years now, and we will see a rash of
> battery problems. you get all kinds of weird symptoms, and it is a fairly easy
> task to replace the battery. its the same tear don you need for the sweep
> mod for ver 2 software, so look at the instructions there. the battery is
> a small yellow box on the front of the board. good luck, try the battery
> first , its cheep and an easy fix if it works... tom N6AJR
>
>
> In a message dated 11/14/2012 12:55:04 P.M. Pacific Standard Time,
> wa6iaf@... writes:
>
> Hi Everyone,
> This morning when I tried to transmit on SSB I found there is no power out
> from my OrionI.
>
> There was no audio when listening to monitor.
> Tried another known good mic, same thing.
>
> CW was fine on both Tx and Rx.
> 100W out, everything else OK too on CW.
>
> Oddly, the display was washed out and I needed to adjust it's contrast way
> down from the usual 75 to 35 for it to look right.
>
> I turned off main power sw on rig, removed 13VDC power supply and let sit
> 5 minutes.
> Turned back on, same thing, no power out on SSB, CW A-OK.
>
> Tried master reset by holding in main tx/rx button in while turning power
> switch on...it hung there with no "Master Reset Complete" message
> appearing...blank screen.

>
> Turned off power waited a while and turned power back on, screen now has
> multiple horizontal black bars on top 1/3 and rig is dead, won't boot.
>
> I wanted feedback from the group here before opening up to check the
> battery.
>
> Any thoughts, suggestions appreciated.
> 73
> Paul
> WA6IAF
>
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> Yahoo! Groups Links
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> [Non-text portions of this message have been removed]
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8769. Re: 565 problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-14 21:19:11 UTC
From: wa6iaf
Topic: 8765 Message: 8769

Thanks Peter,
I'll check the caps on the A9 board when I have it open.
Right now I'm going to put the old Corsair back on the air, time I used it a little while anyhow!

Will post what I find out in a day or two.
73
Paul

--- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@...> wrote:
>
> Den 14-11-2012 21:54, wa6iaf skrev:
> > Hi Everyone,
> > This morning when I tried to transmit on SSB I found there is no power out from my OrionI.
> >
> > There was no audio when listening to monitor.
> > Tried another known good mic, same thing.
> >
> > CW was fine on both Tx and Rx.
> > 100W out, everything else OK too on CW.
> >
> > Oddly, the display was washed out and I needed to adjust it's contrast way down from the usual 75 to 35 for it to look right.
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> >
> > Turned off power waited a while and turned power back on, screen now has multiple horizontal black bars on top 1/3 and rig is dead, won't boot.
> >
> > I wanted feedback from the group here before opening up to check the battery.
> >
> > Any thoughts, suggestions appreciated.
> > 73
> > Paul
> > WA6IAF
> Probably the "good old" A9 Cap problem rearing it's ugly head...
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>

> **
> ** Genius is one per cent inspiration, **
> ** and ninety-nine per cent **
> ** perspiration. **
> ** -- Thomas A. Edison **
> **
> email: peter(no-spam filler)@...
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **
>

8770. Re: [orion565] Re: 565 problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-15 00:39:21 UTC
From: Barry N1EU
Topic: 8765 Message: 8770

I'm skeptical that it's the battery, but you never know.

I would bring some audio into the aux in and try that in ssb (with TX Audio Source = AUX) to rule out an issue in the Orion mic preamp circuit. If you don't have an external mic preamp, just hook your computer soundcard to it and play some .wav files etc

73,
Barry N1EU

On Wed, Nov 14, 2012 at 9:07 PM, wa6iaf <wa6iaf@...> wrote:

> **
>
>
> Thanks Tom,
> Boy that was a fast answer!
> I only came back here so soon to say I checked in the Tx menu to be sure
> all antennas selected were correct, Tx set to on, no transverter, etc,
> etc...all OK there.
>
> Going to look at instructions for the sweep mod and ver 2 softwary. I'm
> running ver 2.063 ? (062? can't look, no system loading msg) and like it
>
> 73
> Paul
> WA6IAF
>
>
> --- In orion565@yahoogroups.com, catfishtwo@... wrote:
> >
> > I was going to suggest check the battery. Most of us who bought the
> > original Orion have had them 5 or 6 years now, and we will see a rash of
> > battery problems. you get all kinds of weird symptoms, and it is a
> fairly easy
> > task to replace the battery. its the same tear don you need for the
> sweep
> > mod for ver 2 software, so look at the instructions there. the battery
> is
> > a small yellow box on the front of the board. good luck, try the battery
> > first , its cheep and an easy fix if it works... tom N6AJR
> >
> >
> > In a message dated 11/14/2012 12:55:04 P.M. Pacific Standard Time,
> > wa6iaf@... writes:
> >

> > Hi Everyone,
> > This morning when I tried to transmit on SSB I found there is no power
> out
> > from my OrionI.
> >
> > There was no audio when listening to monitor.
> > Tried another known good mic, same thing.
> >
> > CW was fine on both Tx and Rx.
> > 100W out, everything else OK too on CW.
> >
> > Oddly, the display was washed out and I needed to adjust it's contrast
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> > down from the usual 75 to 35 for it to look right.
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> > I turned off main power sw on rig, removed 13VDC power supply and let
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> > 5 minutes.
> > Turned back on, same thing, no power out on SSB, CW A-OK.
> >
> > Tried master reset by holding in main tx/rx button in while turning
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> > switch on...it hung there with no "Master Reset Complete" message
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> >
> > Turned off power waited a while and turned power back on, screen now has
> > multiple horizontal black bars on top 1/3 and rig is dead, won't boot.
> >
> > I wanted feedback from the group here before opening up to check the
> > battery.
> >
> > Any thoughts, suggestions appreciated.
> > 73
> > Paul
> > WA6IAF
> >
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> > [Non-text portions of this message have been removed]

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8771. Re: 565 problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-15 13:17:05 UTC
From: Rolf Krogstad
Topic: 8765 Message: 8771

I just replaced my battery. There is a good wiki page on the subject:
http://tentecwiki.org/doku.php?id=565battery

GL Rolf NR0T

[Non-text portions of this message have been removed]

8772. Orion, Flaky encoders

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-15 15:04:18 UTC
From: Martin Sole
Topic: 8772 Message: 8772

Really just starting to notice that all of my encoders are a bit flaky. I don't tend to use RIT very much, I'll A>B and split as a rule, but I see the RIT encoder will not move other than to flash the minus sign but I also see the multi encoder is flaky, it changes but hesitates and jumps and is not a smooth progression either up or down. Same with the L-H cut and PBT/BW controls. The volume encoders seem better.

I recall this coming up here before; is it just the plug connections or is more work generally required? Would like to clear it up in one round of disassembly if possible.

Thanks

Martin, HS0ZED

[Non-text portions of this message have been removed]

8773. Re: [orion565] Orion, Flaky encoders

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-15 15:28:05 UTC
From: Barry N1EU
Topic: 8772 Message: 8773

Good RIT encoder discussion at
http://www.tentecwiki.org/doku.php?id=565ritfix

73,
Barry N1EU

On Thu, Nov 15, 2012 at 3:04 PM, Martin Sole <hs0zed@...> wrote:

> **
>
>
> Really just starting to notice that all of my encoders are a bit flaky. I
> don't tend to use RIT very much, I'll A>B and split as a rule, but I see
> the
> RIT encoder will not move other than to flash the minus sign but I also see
> the multi encoder is flaky, it changes but hesitates and jumps and is not a
> smooth progression either up or down. Same with the L-H cut and PBT/BW
> controls. The volume encoders seem better.
>
> I recall this coming up here before; is it just the plug connections or is
> more work generally required? Would like to clear it up in one round of
> disassembly if possible.
>
> Thanks
>
> Martin, HS0ZED
>
> [Non-text portions of this message have been removed]
>
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8774. Re: Orion, Flaky encoders

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-15 17:30:53 UTC
From: donkn5i
Topic: 8772 Message: 8774

I called Ten-Tec about my multi control doing the same and was told it is a major opertion to fix and factory repair was the solution. If anyone knows better let me know. Can't afford to send back to the factory.
73
Donald A May
W5DAM ex kn5i

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Good RIT encoder discussion at
> http://www.tentecwiki.org/doku.php?id=565ritfix
>
> 73,
> Barry N1EU
>
> On Thu, Nov 15, 2012 at 3:04 PM, Martin Sole <hs0zed@...> wrote:
>
> > **
> >
> >
> > Really just starting to notice that all of my encoders are a bit flaky. I
> > don't tend to use RIT very much, I'll A>B and split as a rule, but I see
> > the
> > RIT encoder will not move other than to flash the minus sign but I also see
> > the multi encoder is flaky, it changes but hesitates and jumps and is not a
> > smooth progression either up or down. Same with the L-H cut and PBT/BW
> > controls. The volume encoders seem better.
> >
> > I recall this coming up here before; is it just the plug connections or is
> > more work generally required? Would like to clear it up in one round of
> > disassembly if possible.
> >
> > Thanks
> >
> > Martin, HS0ZED
> >
> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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8775. RE: [orion565] Re: Orion, Flaky encoders

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-15 18:55:39 UTC
From: wolfmanjack@charter.net
Topic: 8772 Message: 8775

The volume control on my 566 sometimes has a mind of its own...and
decides not to turn volume up or down.

I just give a lil' tug on the knob and she's good to go again. I've come
to conclusion that the rig is just quirky in some ways. Luckily the
overall performance of the transceiver outweighs the quirkiness!

73 John K7FD

On Thu, Nov 15, 2012 at 9:30 AM, donkn5i wrote:

I called Ten-Tec about my multi control doing the same and was told
it is a major opertion to fix and factory repair was the solution. If
anyone knows better let me know. Can't afford to send back to the
factory.
73
Donald A May
W5DAM ex kn5i

--- In orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
, Barry N1EU <barry.n1eu@...> wrote:
>
> Good RIT encoder discussion at
> http://www.tentecwiki.org/doku.php?id=565ritfix
> <http://www.tentecwiki.org/doku.php?id=565ritfix>
> 73, Barry N1EU
> On Thu, Nov 15, 2012 at 3:04 PM, Martin Sole <hs0zed@...> wrote:
>> **
>>
>> Really just starting to notice that all of my encoders are a bit
>> flaky. I don't tend to use RIT very much, I'll A>B and split as a
>> rule, but I see the RIT encoder will not move other than to flash the
>> minus sign but I also see the multi encoder is flaky, it changes but
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>> seem better.
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>> or is more work generally required? Would like to clear it up in one
>> round of disassembly if possible.
>> Thanks
>> Martin, HS0ZED
>> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]

<http://www.tentecwiki.org/doku.php?id=565ritfix>

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

8777. RE: [orion565] Re: Orion, Flaky encoders

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-15 19:44:39 UTC
From: Duane Calvin
Topic: 8772 Message: 8777

If I remember correctly, you might want to check the TenTec Wiki for the encoder problem. After some folks replaced their encoders, someone found that the problem was actually related to intermittent connections at the off-board wire connectors. Again, if I remember correctly, removing and reseating those connectors solved the problem. I don't recall if new connectors were required, but if removing and reseating them worked, you might want to try a tiny drop of Deoxit on each pin before reseating. I haven't had my 565 on and operating in quite a while, so I'm betting I run into both this problem and the dead (or dying) battery as well . . .

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of wolfmanjack@...
Sent: Thursday, November 15, 2012 12:56 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: Orion, Flaky encoders

The volume control on my 566 sometimes has a mind of its own...and decides not to turn volume up or down.

I just give a lil' tug on the knob and she's good to go again. I've come to conclusion that the rig is just quirky in some ways. Luckily the overall performance of the transceiver outweighs the quirkiness!

73 John K7FD

On Thu, Nov 15, 2012 at 9:30 AM, donkn5i wrote:

I called Ten-Tec about my multi control doing the same and was told it is a major opertion to fix and factory repair was the solution. If anyone knows better let me know. Can't afford to send back to the factory.
73
Donald A May
W5DAM ex kn5i

--- In orion565@yahoogroups.com <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>, Barry N1EU <barry.n1eu@...> wrote:
>
> Good RIT encoder discussion at
> http://www.tentecwiki.org/doku.php?id=565ritfix

> <http://www.tentecwiki.org/doku.php?id=565ritfix>
> 73, Barry N1EU
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>> rule, but I see the RIT encoder will not move other than to flash the
>> minus sign but I also see the multi encoder is flaky, it changes but
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>> down. Same with the L-H cut and PBT/BW controls. The volume encoders
>> seem better.
>> I recall this coming up here before; is it just the plug connections
>> or is more work generally required? Would like to clear it up in one
>> round of disassembly if possible.
>> Thanks
>> Martin, HS0ZED
>> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]

<http://www.tentecwiki.org/doku.php?id=565ritfix>

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

8778. RE: [orion565] Re: Orion, Flaky encoders

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-15 22:18:52 UTC
From: George
Topic: 8772 Message: 8778

I've have replaced all my controls with new ones when the MULTI was acting up. I figured while I had it apart I'd do them all.

I will say it was a major operation though.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of donkn5i
Sent: Thursday, November 15, 2012 12:31 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion, Flaky encoders

I called Ten-Tec about my multi control doing the same and was told it is a major opertion to fix and factory repair was the solution. If anyone knows better let me know. Can't afford to send back to the factory.
73
Donald A May
W5DAM ex kn5i

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> Barry N1EU
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> > >
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[Non-text portions of this message have been removed]

8779. More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 06:58:43 UTC
From: Martin Sole
Topic: 8779 Message: 8779

Well I read the wiki, and looked in a few other places and came to the conclusion I needed to pull the front panel and do some contact cleaning/re-seating to clean up my intermittent encoders. First order of business seems to be to remove the 6 small knobs but it seems I am already stuck, or rather they are. I had presumed them to be just push on but that might not be the case. I saw no set screws so gave a firm pull on the multi knob only to have it come away with the shaft from the encoder. Not a good start! Testing all the others they seem equally well attached so short of destroying all 6 to get them off what am I doing wrong?

Martin, HS0ZED

[Non-text portions of this message have been removed]

8780. Re: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 09:59:54 UTC
From: Barry N1EU
Topic: 8779 Message: 8780

I don't think you have to pull the knobs Martin. Remove the top/bottom covers and you'll see the screws that hold the front panel. Consult the V2 Mod installation document that is linked on the wiki.

73,
Barry N1EU

On Fri, Nov 16, 2012 at 6:58 AM, Martin Sole <hs0zed@...> wrote:

> **
>
>
> Well I read the wiki, and looked in a few other places and came to the
> conclusion I needed to pull the front panel and do some contact
> cleaning/re-seating to clean up my intermittent encoders. First order of
> business seems to be to remove the 6 small knobs but it seems I am already
> stuck, or rather they are. I had presumed them to be just push on but that
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> start! Testing all the others they seem equally well attached so short of
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> Martin, HS0ZED
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

8781. Re: [orion565] Re: Orion, Flaky encoders

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 10:46:15 UTC
From: Sam W Jacobs CET
Topic: 8772 Message: 8781

Did you use the same knobs ?
I've always said that one of the downfalls of the ORION radio are the "cheap" looking plastic knobs. Not only do the look cheap, they feel cheap too. Considering that is almost my only complaint, not bad.

73 !

Sam
K3SAM

From: George <goofyham@...>
To: orion565@...m
Sent: Thursday, November 15, 2012 5:18 PM
Subject: RE: [orion565] Re: Orion, Flaky encoders

I've have replaced all my controls with new ones when the MULTI was acting up. I figured while I had it apart I'd do them all.

I will say it was a major operation though.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of donkn5i
Sent: Thursday, November 15, 2012 12:31 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion, Flaky encoders

I called Ten-Tec about my multi control doing the same and was told it is a major opertion to fix and factory repair was the solution. If anyone knows better let me know. Can't afford to send back to the factory.
73
Donald A May
W5DAM ex kn5i

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , Barry N1EU <barry.n1eu@...> wrote:
>
> Good RIT encoder discussion at
> http://www.tentecwiki.org/doku.php?id=565ritfix
>
> 73,
> Barry N1EU
>
> On Thu, Nov 15, 2012 at 3:04 PM, Martin Sole <hs0zed@...> wrote:
>

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> >
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> > I recall this coming up here before; is it just the plug connections or
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8782. RE: [orion565] Re: Orion, Flaky encoders

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 11:27:50 UTC
From: Martin Sole
Topic: 8772 Message: 8782

I likely will re-use them, if I can get them off. I wish they were of cheap design, at least then they might crumble off the shafts. As it is they seem glued on. Possible they are I suppose.

Would be nice to have nice aluminium knobs like Kenwood and Yaesu used to use. Wonder if there might be a market for some super heavy machined knobs. Might add a touch of class to a very classy radio!

Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Sam W Jacobs
CET
Sent: Friday, November 16, 2012 17:46
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Orion, Flaky encoders

Did you use the same knobs ?
I've always said that one of the downfalls of the ORION radio are the "cheap" looking plastic knobs. Not only do the look cheap, they feel cheap too. Considering that is almost my only complaint, not bad.

73 !

Sam
K3SAM

From: George <goofyham@rochester.rr.com>
To: orion565@yahoogroups.com
Sent: Thursday, November 15, 2012 5:18 PM
Subject: RE: [orion565] Re: Orion, Flaky encoders

I've have replaced all my controls with new ones when the MULTI was acting up. I figured while I had it apart I'd do them all.

I will say it was a major operation though.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of donkn5i
Sent: Thursday, November 15, 2012 12:31 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion, Flaky encoders

I called Ten-Tec about my multi control doing the same and was told it is a major opertion to fix and factory repair was the solution. If anyone knows

better let me know. Can't afford to send back to the factory.
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> On Thu, Nov 15, 2012 at 3:04 PM, Martin Sole <hs0zed@...> wrote:
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> > Thanks
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> > Martin, HS0ZED
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.2793 / Virus Database: 2629/5894 - Release Date: 11/14/12

8783. RE: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 12:55:48 UTC
From: George
Topic: 8779 Message: 8783

I've have all my knobs off by just pulling them off. I don't know why your knobs are stuck on???

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Martin Sole
Sent: Friday, November 16, 2012 1:59 AM
To: orion565@yahoogroups.com
Subject: [orion565] More encoder woes

Well I read the wiki, and looked in a few other places and came to the conclusion I needed to pull the front panel and do some contact cleaning/re-seating to clean up my intermittent encoders. First order of business seems to be to remove the 6 small knobs but it seems I am already stuck, or rather they are. I had presumed them to be just push on but that might not be the case. I saw no set screws so gave a firm pull on the multi knob only to have it come away with the shaft from the encoder. Not a good start! Testing all the others they seem equally well attached so short of destroying all 6 to get them off what am I doing wrong?

Martin, HS0ZED

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8784. RE: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 13:13:53 UTC
From: Martin Sole
Topic: 8779 Message: 8784

Don't know either George. I'm loathe to pull hard on them again in case more disintegrate. I can only surmise that maybe they have been stuck on. The encoders look surprisingly like one we use on our G/A radios. Does anyone have a generic part identification for these? I might be able to source them locally.

Thanks
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of George
Sent: Friday, November 16, 2012 19:56
To: orion565@yahoogroups.com
Subject: RE: [orion565] More encoder woes

I've have all my knobs off by just pulling them off. I don't know why your knobs are stuck on???

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Martin Sole
Sent: Friday, November 16, 2012 1:59 AM
To: orion565@yahoogroups.com
Subject: [orion565] More encoder woes

Well I read the wiki, and looked in a few other places and came to the conclusion I needed to pull the front panel and do some contact cleaning/re-seating to clean up my intermittent encoders. First order of business seems to be to remove the 6 small knobs but it seems I am already stuck, or rather they are. I had presumed them to be just push on but that might not be the case. I saw no set screws so gave a firm pull on the multi knob only to have it come away with the shaft from the encoder. Not a good start! Testing all the others they seem equally well attached so short of destroying all 6 to get them off what am I doing wrong?

Martin, HS0ZED

[Non-text portions of this message have been removed]

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Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.2793 / Virus Database: 2629/5894 - Release Date: 11/14/12

8785. Re: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 13:33:42 UTC
From: Dick W4WU
Topic: 8779 Message: 8785

I recently replaced the knobs with the chrome trim ring with all-black ones. I got them from the factory one day while visiting there. To remove the knobs, gently pry the chrome (or black) trim rings off with your fingernails. Then you will see small setscrews. Loosening these setscrews lets you remove the knob. Unless the setscrews are loose, you can't easily remove the knobs by pulling on them. I, too, have the RIT encoder problem and Paul told me it wasn't an easy fix, too.
Dick W4WU

8786. RE: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 13:37:00 UTC
From: George
Topic: 8779 Message: 8786

I just ordered the encoders from Ten Tec.

The encoders are mechanical encoders as opposed to optical ones.

As I said, I changed all of the encoders on my O2 while I had it apart.

I'd just call TT and order the encoders from them as I did.

It is a daunting task to change the encoders but if you are meticulous as to the removal and un-soldering and re-soldering you should be successful.

If you don't feel comfortable with self-repair I'd send it back to TT.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Martin Sole
Sent: Friday, November 16, 2012 8:14 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] More encoder woes

Don't know either George. I'm loathe to pull hard on them again in case more disintegrate. I can only surmise that maybe they have been stuck on. The encoders look surprisingly like one we use on our G/A radios. Does anyone have a generic part identification for these? I might be able to source them locally.

Thanks
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of George
Sent: Friday, November 16, 2012 19:56
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] More encoder woes

I've have all my knobs off by just pulling them off. I don't know why your knobs are stuck on???

George W2YJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of Martin Sole

Sent: Friday, November 16, 2012 1:59 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] More encoder woes

Well I read the wiki, and looked in a few other places and came to the conclusion I needed to pull the front panel and do some contact cleaning/re-seating to clean up my intermittent encoders. First order of business seems to be to remove the 6 small knobs but it seems I am already stuck, or rather they are. I had presumed them to be just push on but that might not be the case. I saw no set screws so gave a firm pull on the multi knob only to have it come away with the shaft from the encoder. Not a good start! Testing all the others they seem equally well attached so short of destroying all 6 to get them off what am I doing wrong?

Martin, HS0ZED

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.2793 / Virus Database: 2629/5894 - Release Date: 11/14/12

[Non-text portions of this message have been removed]

8787. RE: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 13:39:31 UTC
From: George
Topic: 8779 Message: 8787

Excellent observation Dick. I totally forgot that there was a set screw on the knob.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Dick W4WU
Sent: Friday, November 16, 2012 8:34 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] More encoder woes

I recently replaced the knobs with the chrome trim ring with all-black ones. I got them from the factory one day while visiting there. To remove the knobs, gently pry the chrome (or black) trim rings off with your fingernails. Then you will see small setscrews. Loosening these setscrews lets you remove the knob. Unless the setscrews are loose, you can't easily remove the knobs by pulling on them. I, too, have the RIT encoder problem and Paul told me it wasn't an easy fix, too.
Dick W4WU

[Non-text portions of this message have been removed]

8788. RE: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 13:50:49 UTC
From: Martin Sole
Topic: 8779 Message: 8788

That all important nugget, who knew?

Thanks
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of George
Sent: Friday, November 16, 2012 20:40
To: orion565@yahoogroups.com
Subject: RE: [orion565] More encoder woes

Excellent observation Dick. I totally forgot that there was a set screw on the knob.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Dick W4WU
Sent: Friday, November 16, 2012 8:34 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] More encoder woes

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Yahoo! Groups Links

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8789. RE: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 13:51:43 UTC
From: Martin Sole
Topic: 8779 Message: 8789

Hi George,

Yes, it would be easiest I guess. But see my callsign, it's sometimes not quite that simple.

73
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of George
Sent: Friday, November 16, 2012 20:37
To: orion565@yahoogroups.com
Subject: RE: [orion565] More encoder woes

I just ordered the encoders from Ten Tec.

The encoders are mechanical encoders as opposed to optical ones.

As I said, I changed all of the encoders on my O2 while I had it apart.

I'd just call TT and order the encoders from them as I did.

It is a daunting task to change the encoders but if you are meticulous as to the removal and un-soldering and re-soldering you should be successful.

If you don't feel comfortable with self-repair I'd send it back to TT.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Martin Sole
Sent: Friday, November 16, 2012 8:14 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] More encoder woes

Don't know either George. I'm loathe to pull hard on them again in case more disintegrate. I can only surmise that maybe they have been stuck on. The encoders look surprisingly like one we use on our G/A radios. Does anyone have a generic part identification for these? I might be able to source them locally.

Thanks
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On

Behalf Of George
Sent: Friday, November 16, 2012 19:56
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] More encoder woes

I've have all my knobs off by just pulling them off. I don't know why your knobs are stuck on???

George W2YJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of Martin Sole
Sent: Friday, November 16, 2012 1:59 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] More encoder woes

Well I read the wiki, and looked in a few other places and came to the conclusion I needed to pull the front panel and do some contact cleaning/re-seating to clean up my intermittent encoders. First order of business seems to be to remove the 6 small knobs but it seems I am already stuck, or rather they are. I had presumed them to be just push on but that might not be the case. I saw no set screws so gave a firm pull on the multi knob only to have it come away with the shaft from the encoder. Not a good start! Testing all the others they seem equally well attached so short of destroying all 6 to get them off what am I doing wrong?

Martin, HS0ZED

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[Non-text portions of this message have been removed]

Yahoo! Groups Links

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Version: 2013.0.2793 / Virus Database: 2629/5894 - Release Date: 11/14/12

[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.2793 / Virus Database: 2629/5894 - Release Date: 11/14/12

8790. Re: [orion565] Re: Orion, Flaky encoders

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 14:21:23 UTC
From: Richard
Topic: 8772 Message: 8790

Ten Tec has always used plastic knobs on their radios. Metal would be nice. I remember Hallicrafters has plastic knobs also, and, probably a lot of the manufactures. It least it would keep knobs from splitting and breaking. Some of the Collins I think have Bakelite.

C. Richard Pumphrey

NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

On Nov 16, 2012, at 6:27 AM, "Martin Sole" <hs0zed@...> wrote:

> I likely will re-use them, if I can get them off. I wish they were of cheap design, at least then they might crumble off the shafts. As it is they seem glued on. Possible they are I suppose.
>
> Would be nice to have nice aluminium knobs like Kenwood and Yaesu used to use. Wonder if there might be a market for some super heavy machined knobs. Might add a touch of class to a very classy radio!
>
> Martin, HS0ZED
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Sam W Jacobs CET
> Sent: Friday, November 16, 2012 17:46
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Re: Orion, Flaky encoders
>
> Did you use the same knobs ?
> I've always said that one of the downfalls of the ORION radio are the "cheap" looking plastic knobs. Not only do the look cheap, they feel cheap too. Considering that is almost my only complaint, not bad.
>
> 73 !
>
> Sam
> K3SAM
>
> _____
> From: George <goofyham@...>
> To: orion565@yahoogroups.com
> Sent: Thursday, November 15, 2012 5:18 PM
> Subject: RE: [orion565] Re: Orion, Flaky encoders
>

>
> I've have replaced all my controls with new ones when the MULTI was acting
> up. I figured while I had it apart I'd do them all.
>
> I will say it was a major operation though.
>
> George W2YJ
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of donkn5i
> Sent: Thursday, November 15, 2012 12:31 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Orion, Flaky encoders
>
> I called Ten-Tec about my multi control doing the same and was told it is a
> major opertion to fix and factory repair was the solution. If anyone knows
> better let me know. Can't afford to send back to the factory.
> 73
> Donald A May
> W5DAM ex kn5i
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , Barry
> N1EU <barry.n1eu@...> wrote:
> >
> > Good RIT encoder discussion at
> > http://www.tentecwiki.org/doku.php?id=565ritfix
> >
> > 73,
> > Barry N1EU
> >
> > On Thu, Nov 15, 2012 at 3:04 PM, Martin Sole <hs0zed@...> wrote:
> >
> > > **
> > >
> > >
> > > Really just starting to notice that all of my encoders are a bit flaky.
> I
> > > don't tend to use RIT very much, I'll A>B and split as a rule, but I see
> > > the
> > > RIT encoder will not move other than to flash the minus sign but I also
> see
> > > the multi encoder is flaky, it changes but hesitates and jumps and is
> not a
> > > smooth progression either up or down. Same with the L-H cut and PBT/BW
> > > controls. The volume encoders seem better.
> > >
> > > I recall this coming up here before; is it just the plug connections or
> is
> > > more work generally required? Would like to clear it up in one round of
> > > disassembly if possible.

> > >
> > > Thanks
> > >
> > > Martin, HS0ZED
> > >
> > > [Non-text portions of this message have been removed]
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> > >
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> >
> >
> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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> ------------------------------------
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> Yahoo! Groups Links
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> -----
> No virus found in this message.
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>

[Non-text portions of this message have been removed]

8791. Re: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 14:40:11 UTC
From: Barry N1EU
Topic: 8779 Message: 8791

On Fri, Nov 16, 2012 at 1:33 PM, Dick W4WU <w4wu@...> wrote:

> **
> I, too, have the RIT encoder problem and Paul told me it wasn't an easy
> fix, too.
>
> Dick W4WU
>

I believe the RIT encoder problem is still not fully understood. The current best guess is that it's a connection problem. The factory believed replacing the connector on the 565 with the connector used on the 566 would fix the problem but that fix only lasted a few months on my 565. If DeOxit on the connector pins doesn't fix the problem for a couple of years or more (I haven't tried this yet -can anybody comment?), then encoder replacement might be the only option. But I wouldn't want to use the same type of encoders. I'd want to find a more robust replacement.

73,
Barry N1EU

[Non-text portions of this message have been removed]

8792. Re: Orion, Flaky encoders

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 14:42:07 UTC
From: Rod Greene
Topic: 8772 Message: 8792

When my regulator board caps started giving me a problem, the first thing I did was to pull the front panel. It's not a big job to remove the panel. IIRC, once the top and bottom covers are off, the front panel has 4 small screws on top and 4 on bottom and 2 on each side. When the screws are removed, you just pull the front panel away from the chassis. I pulled each of the connectors and sprayed them with Deoxit Gold and then replaced them. Was a little messy, so use restraint with the spray. Or put some spray on a swab and use that to apply.

Now all my front panel controls work like new. No more RIT, etc problem. Was worth the work...

After that I replaced the caps and that took care of the main problem.

Hope this helps a little.

73, Rod/w7zrc

[Non-text portions of this message have been removed]

8793. Re: [orion565] Re: Orion, Flaky encoders

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 15:02:58 UTC
From: Barry N1EU
Topic: 8772 Message: 8793

Rod, how long has it been since the DeOxit treatment of your RIT encoder?

Barry N1EU

On Fri, Nov 16, 2012 at 2:42 PM, Rod Greene <w7zrc@...> wrote:

> **
>
>
> When my regulator board caps started giving me a problem, the first thing
> I did was to pull the front panel. It's not a big job to remove the panel.
> IIRC, once the top and bottom covers are off, the front panel has 4 small
> screws on top and 4 on bottom and 2 on each side. When the screws are
> removed, you just pull the front panel away from the chassis. I pulled each
> of the connectors and sprayed them with Deoxit Gold and then replaced them.
> Was a little messy, so use restraint with the spray. Or put some spray on a
> swab and use that to apply.
>
> Now all my front panel controls work like new. No more RIT, etc problem.
> Was worth the work...
>
> After that I replaced the caps and that took care of the main problem.
>
> Hope this helps a little.
>
> 73, Rod/w7zrc
>
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

8794. Re: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 15:08:27 UTC
From: K7FD
Topic: 8779 Message: 8794

I agree it is not fully understood. In my case, the rig is new and less than a year old. The problem with my main volume control only occurs when I happen to flip over to the sub AF knob for a while then return to the main AF knob. It appears more like a logic problem than a poor mechanical or electrical connection. Going from main to sub and back to main AF makes the main AF stop functioning. However, a slight tug on the main AF makes it immediately functional. Of course, to make things interesting it does not do it every time...

73 John K7FD

On Nov 16, 2012, at 6:40 AM, Barry N1EU <barry.n1eu@...> wrote:

> On Fri, Nov 16, 2012 at 1:33 PM, Dick W4WU <w4wu@bellsouth.net> wrote:
>
> > **
> > I, too, have the RIT encoder problem and Paul told me it wasn't an easy
> > fix, too.
> >
> > Dick W4WU
> >
>
> I believe the RIT encoder problem is still not fully understood. The
> current best guess is that it's a connection problem. The factory believed
> replacing the connector on the 565 with the connector used on the 566 would
> fix the problem but that fix only lasted a few months on my 565. If
> DeOxit on the connector pins doesn't fix the problem for a couple of years
> or more (I haven't tried this yet -can anybody comment?), then encoder
> replacement might be the only option. But I wouldn't want to use the same
> type of encoders. I'd want to find a more robust replacement.
>
> 73,
> Barry N1EU
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

8795. RE: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 15:08:41 UTC
From: Martin Sole
Topic: 8779 Message: 8795

Well I now have the knobs off, and the front panel detached from the radio. DSP and display board removed. Now I'm stuck fast again. The daughter board is plugged into to the main front panel board and there are white plastic collars on each of the encoder shafts. Don't want to force the board and risk breaking it so what is holding it in place. Do I need to remove the overlay with the lettering on.

Figure one of you guys that has been here before might offer a blow by blow.

Thanks
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Martin Sole
Sent: Friday, November 16, 2012 20:51
To: orion565@yahoogroups.com
Subject: RE: [orion565] More encoder woes

That all important nugget, who knew?

Thanks
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of George
Sent: Friday, November 16, 2012 20:40
To: orion565@yahoogroups.com
Subject: RE: [orion565] More encoder woes

Excellent observation Dick. I totally forgot that there was a set screw on the knob.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Dick W4WU
Sent: Friday, November 16, 2012 8:34 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] More encoder woes

I recently replaced the knobs with the chrome trim ring with all-black ones. I got them from the factory one day while visiting there. To remove the knobs, gently pry the chrome (or black) trim rings off with your fingernails. Then you will see small setscrews. Loosening these setscrews lets you remove the knob. Unless the setscrews are loose, you can't easily

remove the knobs by pulling on them. I, too, have the RIT encoder problem
and Paul told me it wasn't an easy fix, too.
Dick W4WU

[Non-text portions of this message have been removed]

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Yahoo! Groups Links

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Version: 2013.0.2793 / Virus Database: 2629/5894 - Release Date: 11/14/12

8796. Re: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 15:25:19 UTC
From: Barry N1EU
Topic: 8779 Message: 8796

Sorry Martin, but I haven't gone there myself.

It would be great if you could take some photos as you proceed in order to document it for the future.

I was under the impression that the RIT cable connector would be easier to access but I guess not.

73,
Barry N1EU

On Fri, Nov 16, 2012 at 3:08 PM, Martin Sole <hs0zed@...> wrote:

> **
>
>
> Well I now have the knobs off, and the front panel detached from the radio.
> DSP and display board removed. Now I'm stuck fast again. The daughter board
> is plugged into to the main front panel board and there are white plastic
> collars on each of the encoder shafts. Don't want to force the board and
> risk breaking it so what is holding it in place. Do I need to remove the
> overlay with the lettering on.
>
> Figure one of you guys that has been here before might offer a blow by
> blow.
>
>
> Thanks
> Martin, HS0ZED
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Martin Sole
> Sent: Friday, November 16, 2012 20:51
> To: orion565@yahoogroups.com
> Subject: RE: [orion565] More encoder woes
>
> That all important nugget, who knew?
>
> Thanks
> Martin, HS0ZED
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of George
> Sent: Friday, November 16, 2012 20:40

> To: orion565@yahoogroups.com
> Subject: RE: [orion565] More encoder woes
>
> Excellent observation Dick. I totally forgot that there was a set screw on
> the knob.
>
> George W2YJ
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Dick W4WU
> Sent: Friday, November 16, 2012 8:34 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] More encoder woes
>
> I recently replaced the knobs with the chrome trim ring with all-black
> ones.
> I got them from the factory one day while visiting there. To remove the
> knobs, gently pry the chrome (or black) trim rings off with your
> fingernails. Then you will see small setscrews. Loosening these setscrews
> lets you remove the knob. Unless the setscrews are loose, you can't easily
> remove the knobs by pulling on them. I, too, have the RIT encoder problem
> and Paul told me it wasn't an easy fix, too.
> Dick W4WU
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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> ------------------------------------
>
> Yahoo! Groups Links
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> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2013.0.2793 / Virus Database: 2629/5894 - Release Date: 11/14/12
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>

[Non-text portions of this message have been removed]

8797. RE: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 15:48:34 UTC
From: Martin Sole
Topic: 8779 Message: 8797

Not taken any pictures yet but somewhat further forward.

The whole front panel has to be disassembled. That means all the screws holding the big pcb on have to come out and the board lifted off the plastic front panel.

Then the white plastic hexagon nuts can be removed from the front of the big pcb. With that done the encoder daughter board can be removed from the main front panel pcb, careful with the white plastic spacers!

I've gone a bit further. Removed the damaged encoder from the front daughter board, Carefully pryed it apart, separated all the internals and rebuilt it fitting the circlip back around the shaft. Big magnifier essential. Looks and feels ok and seems to be alright. Next will be to test it which will require at least partial re-assembly.

Close to 11pm here now so more tomorrow I think.

Feeling better.

73
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Friday, November 16, 2012 22:25
To: orion565@yahoogroups.com
Subject: Re: [orion565] More encoder woes

Sorry Martin, but I haven't gone there myself.

It would be great if you could take some photos as you proceed in order to document it for the future.

I was under the impression that the RIT cable connector would be easier to access but I guess not.

73,
Barry N1EU

On Fri, Nov 16, 2012 at 3:08 PM, Martin Sole <hs0zed@...> wrote:

> **
>
>
> Well I now have the knobs off, and the front panel detached from the radio.
> DSP and display board removed. Now I'm stuck fast again. The daughter
> board is plugged into to the main front panel board and there are
> white plastic collars on each of the encoder shafts. Don't want to
> force the board and risk breaking it so what is holding it in place.

> Do I need to remove the overlay with the lettering on.
>
> Figure one of you guys that has been here before might offer a blow by
> blow.
>
>
> Thanks
> Martin, HS0ZED
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf Of Martin Sole
> Sent: Friday, November 16, 2012 20:51
> To: orion565@yahoogroups.com
> Subject: RE: [orion565] More encoder woes
>
> That all important nugget, who knew?
>
> Thanks
> Martin, HS0ZED
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf Of George
> Sent: Friday, November 16, 2012 20:40
> To: orion565@yahoogroups.com
> Subject: RE: [orion565] More encoder woes
>
> Excellent observation Dick. I totally forgot that there was a set
> screw on the knob.
>
> George W2YJ
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf Of Dick W4WU
> Sent: Friday, November 16, 2012 8:34 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] More encoder woes
>
> I recently replaced the knobs with the chrome trim ring with all-black
> ones.
> I got them from the factory one day while visiting there. To remove
> the knobs, gently pry the chrome (or black) trim rings off with your
> fingernails. Then you will see small setscrews. Loosening these
> setscrews lets you remove the knob. Unless the setscrews are loose,
> you can't easily remove the knobs by pulling on them. I, too, have the
> RIT encoder problem and Paul told me it wasn't an easy fix, too.
> Dick W4WU
>
> [Non-text portions of this message have been removed]

>
> ------------------------------------
>
> Yahoo! Groups Links
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> -----
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> Yahoo! Groups Links
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> 11/14/12
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

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8798. 565 problem__SOLVED

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 17:26:45 UTC
From: wa6iaf
Topic: 8798 Message: 8798

Turned out an electrolytic on the A9 board failed. C6_1 which should be 470mfd/35v. Measured only 76mfd.

A visual inspection of the A9 board revealed that cap had bulged out on it's top.
Also where the stamped lines in case met there was a pin-hole letting electrolyte escape.
So it was easy to find the culprit once the A9 board was suggested by the group as being a place to look.

Thank you!

Both of the 470mfd caps on the A9 board in my 565 are 105 C temp rated. Don't know if that's original or not as I bought the rig second hand a couple years ago.

Found a pair of old axial lead Siemens electrolytics rated at 470mfd/40v date code 12_1979(!) from my junque box and put one in until the replacement caps arrive.
The one I installed being so old, I monitored it's temp a while.

What a relief! My Orion I is all better now, everything working as it should after this easy repair.
Sure is nice having the chassis so roomy.

BTW, after having been in storage 2 years the old Corsair worked just fine.

73 one and all,
Paul
WA6IAF

8800. RE: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 20:04:43 UTC
From: George
Topic: 8779 Message: 8800

Yes I see, sorry Martin,

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
Of Martin Sole
Sent: Friday, November 16, 2012 8:52 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] More encoder woes

Hi George,

Yes, it would be easiest I guess. But see my callsign, it's sometimes not
quite that simple.

73
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
Behalf
Of George
Sent: Friday, November 16, 2012 20:37
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] More encoder woes

I just ordered the encoders from Ten Tec.

The encoders are mechanical encoders as opposed to optical ones.

As I said, I changed all of the encoders on my O2 while I had it apart.

I'd just call TT and order the encoders from them as I did.

It is a daunting task to change the encoders but if you are meticulous as to
the removal and un-soldering and re-soldering you should be successful.

If you don't feel comfortable with self-repair I'd send it back to TT.

George W2YJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
Behalf
Of Martin Sole
Sent: Friday, November 16, 2012 8:14 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

Subject: RE: [orion565] More encoder woes

Don't know either George. I'm loathe to pull hard on them again in case more disintegrate. I can only surmise that maybe they have been stuck on. The encoders look surprisingly like one we use on our G/A radios. Does anyone have a generic part identification for these? I might be able to source them locally.

Thanks
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>] On
Behalf Of George
Sent: Friday, November 16, 2012 19:56
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] More encoder woes

I've have all my knobs off by just pulling them off. I don't know why your knobs are stuck on???

George W2YJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>] On
Behalf Of Martin Sole
Sent: Friday, November 16, 2012 1:59 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
Subject: [orion565] More encoder woes

Well I read the wiki, and looked in a few other places and came to the conclusion I needed to pull the front panel and do some contact cleaning/re-seating to clean up my intermittent encoders. First order of business seems to be to remove the 6 small knobs but it seems I am already stuck, or rather they are. I had presumed them to be just push on but that might not be the case. I saw no set screws so gave a firm pull on the multi knob only to have it come away with the shaft from the encoder. Not a good start! Testing all the others they seem equally well attached so short of destroying all 6 to get them off what am I doing wrong?

Martin, HS0ZED

[Non-text portions of this message have been removed]

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Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.2793 / Virus Database: 2629/5894 - Release Date: 11/14/12

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Version: 2013.0.2793 / Virus Database: 2629/5894 - Release Date: 11/14/12

[Non-text portions of this message have been removed]

8801. Re: Headphone Audio AGAIN

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 21:50:51 UTC
From: va2na77
Topic: 8475 Message: 8801

Hi, my name is Guillaume VA2NA.. I experience the same problem as you. Volume is low on headphone but not on speaker... Switching to Bin RX increase the level at "right" level.. My pseudo solution is to use the headphone connection on my Yaesu external speaker.

Thank you

--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
>
> Thanks Howard,
>
>
>
>
>
> 73
>
>
>
> John
>
> KO4XJ
>
>
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of jhowardsmith234
> Sent: Thursday, July 26, 2012 4:24 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Headphone Audio AGAIN
>
>
>
>
>
> Hi John,
> Your original report of low audio on the headphones was added to the Orion
> 565 list of issues. I will see that these additional observations are added
> to your original report.
>
> Thank you for reporting this. TenTec does review reported issues, and they
> are typically addressed during the next software update cycle.
>
> 73..

> Howard, WA9AXQ
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "John
> Hudson" <jd_hudson@> wrote:
> >
> > Ok a few weeks ago I was bothered with the low audio on the headphones on
> a
> > O1 ver 3.032. Same as I think for others, speaker is loud but audio in
> > headphone (Heil ProSet Plus) is about half audio and O1 volume has to be
> > turned all the way up. Even with the SAF on it's not loud enough at times.
> >
> >
> >
> > By accident I found out that if I turn on the BinRx I have a couple of
> > situations.
> >
> > 1. If SAF is on and I turn on BinRX - Headphone audio goes off (I have
> > to turn the rig off then on, no reset required)
> >
> > 2. If SAF is on and I turn on BinRx - Headphone audio is louder
> > (sometimes this works but not often)
> >
> > 3. If SAF is OFF and I turn on Bin Rx- the headphone audio is TWICE as
> > loud. Much louder than SAF on!
> >
> >
> >
> > I'm guessing others have this issue too? I could not find the dits & bits
> > email address but if someone has that I'd like to send this to them or can
> > pass this along to John Henry
> >
> >
> >
> > Thanks
> >
> >
> >
> > John
> >
> > KO4XJ
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> > [Non-text portions of this message have been removed]

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> [Non-text portions of this message have been removed]
>

8802. Re: [orion565] Re: Headphone Audio AGAIN

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-16 22:49:18 UTC
From: Barry N1EU
Topic: 8475 Message: 8802

There are 33 ohm resistors in series with both leads at the headphone jack. You can lower that resistance and get more output. I shunted those resistors with 18-ohm resistors on my Orion.

73,
Barry N1EU

On Fri, Nov 16, 2012 at 9:50 PM, va2na77 <va2na@...> wrote:

> **
>
>
> Hi, my name is Guillaume VA2NA.. I experience the same problem as you.
> Volume is low on headphone but not on speaker... Switching to Bin RX
> increase the level at "right" level.. My pseudo solution is to use the
> headphone connection on my Yaesu external speaker.
>
> Thank you
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> --- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
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> > Of jhowardsmith234
> > Sent: Thursday, July 26, 2012 4:24 PM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] Re: Headphone Audio AGAIN
> >

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> > > I'm guessing others have this issue too? I could not find the dits &
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[Non-text portions of this message have been removed]

8803. RE: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-17 01:14:32 UTC
From: Martin Sole
Topic: 8779 Message: 8803

Hi George,

Well it sometimes is a bit of a pain but then again it can lead to some inventiveness. I managed to get the encoders off and have rebuilt the broken one. It looks and seems to work fine. Having stripped cleaned and reassembled the whole front panel, quite an experience, I feel quite good. Hopefully it will last a good more few years.

As to the other chap who mentioned sending just the encoder board I think I will order a spare. I did send them the logic board for repair a year or two back and that worked out fine.

Anyway the radio is now all back together. I have a strange pulsing noise from the sub receiver and its S meter is at about the 10 over 9 position Looks like I might have a cable in the wrong position on the logic board :(

Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of George
Sent: Saturday, November 17, 2012 03:05
To: orion565@yahoogroups.com
Subject: RE: [orion565] More encoder woes

Yes I see, sorry Martin,

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Martin Sole
Sent: Friday, November 16, 2012 8:52 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] More encoder woes

Hi George,

Yes, it would be easiest I guess. But see my callsign, it's sometimes not quite that simple.

73
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of George
Sent: Friday, November 16, 2012 20:37

To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] More encoder woes

I just ordered the encoders from Ten Tec.

The encoders are mechanical encoders as opposed to optical ones.

As I said, I changed all of the encoders on my O2 while I had it apart.

I'd just call TT and order the encoders from them as I did.

It is a daunting task to change the encoders but if you are meticulous as to the removal and un-soldering and re-soldering you should be successful.

If you don't feel comfortable with self-repair I'd send it back to TT.

George W2YJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of Martin Sole
Sent: Friday, November 16, 2012 8:14 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] More encoder woes

Don't know either George. I'm loathe to pull hard on them again in case more disintegrate. I can only surmise that maybe they have been stuck on. The encoders look surprisingly like one we use on our G/A radios. Does anyone have a generic part identification for these? I might be able to source them locally.

Thanks
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>] On Behalf Of George
Sent: Friday, November 16, 2012 19:56
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] More encoder woes

I've have all my knobs off by just pulling them off. I don't know why your knobs are stuck on???

George W2YJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>] On Behalf Of Martin Sole
Sent: Friday, November 16, 2012 1:59 AM

To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
Subject: [orion565] More encoder woes

Well I read the wiki, and looked in a few other places and came to the conclusion I needed to pull the front panel and do some contact cleaning/re-seating to clean up my intermittent encoders. First order of business seems to be to remove the 6 small knobs but it seems I am already stuck, or rather they are. I had presumed them to be just push on but that might not be the case. I saw no set screws so gave a firm pull on the multi knob only to have it come away with the shaft from the encoder. Not a good start! Testing all the others they seem equally well attached so short of destroying all 6 to get them off what am I doing wrong?

Martin, HS0ZED

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Yahoo! Groups Links

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Checked by AVG - www.avg.com
Version: 2013.0.2793 / Virus Database: 2629/5894 - Release Date: 11/14/12

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8805. RE: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-17 01:50:50 UTC
From: Duane Calvin
Topic: 8779 Message: 8805

" I have a great memory, but it is very short...:) tom N6AJR"

Love the comment, and it just gets truer and truer for me . . .

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of catfishtwo@...
Sent: Friday, November 16, 2012 7:39 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] More encoder woes

Hi, Me again. Also next time take a bunch of digital pictures when taking it apart. then you have a guide when putting back together. also works
for small clocks and engines... I have a great memory, but it is very short...:) tom N6AJR

In a message dated 11/16/2012 5:14:36 P.M. Pacific Standard Time, hs0zed@... writes:

Hi George,

Well it sometimes is a bit of a pain but then again it can lead to some inventiveness. I managed to get the encoders off and have rebuilt the broken
one. It looks and seems to work fine. Having stripped cleaned and reassembled the whole front panel, quite an experience, I feel quite good. Hopefully it will last a good more few years.

As to the other chap who mentioned sending just the encoder board I think I will order a spare. I did send them the logic board for repair a year or two
back and that worked out fine.

Anyway the radio is now all back together. I have a strange pulsing noise from the sub receiver and its S meter is at about the 10 over 9 position Looks like I might have a cable in the wrong position on the logic board :(

Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf

Of George
Sent: Saturday, November 17, 2012 03:05
To: orion565@yahoogroups.com
Subject: RE: [orion565] More encoder woes

Yes I see, sorry Martin,

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
Of Martin Sole
Sent: Friday, November 16, 2012 8:52 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] More encoder woes

Hi George,

Yes, it would be easiest I guess. But see my callsign, it's sometimes not
quite that simple.

73
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
Behalf Of George
Sent: Friday, November 16, 2012 20:37
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] More encoder woes

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I'd just call TT and order the encoders from them as I did.

It is a daunting task to change the encoders but if you are meticulous as
to
the removal and un-soldering and re-soldering you should be successful.

If you don't feel comfortable with self-repair I'd send it back to TT.

George W2YJ

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Subject: RE: [orion565] More encoder woes

Don't know either George. I'm loathe to pull hard on them again in case more
disintegrate. I can only surmise that maybe they have been stuck on. The encoders look surprisingly like one we use on our G/A radios. Does anyone have a generic part identification for these? I might be able to source them
locally.

Thanks
Martin, HS0ZED

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[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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Sent: Friday, November 16, 2012 19:56
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] More encoder woes

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<mailto:orion565%40yahoogroups.com>] On Behalf Of Martin Sole
Sent: Friday, November 16, 2012 1:59 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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Yahoo! Groups Links

[Non-text portions of this message have been removed]

Yahoo! Groups Links

8806. Re: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-17 02:09:47 UTC
From: Barry N1EU
Topic: 8779 Message: 8806

How exactly did the encoder fail such that you could rebuild it???

Barry N1EU

On Sat, Nov 17, 2012 at 1:14 AM, Martin Sole <hs0zed@...> wrote:

> **
>
>
> Hi George,
>
> Well it sometimes is a bit of a pain but then again it can lead to some
> inventiveness. I managed to get the encoders off and have rebuilt the
> broken
> one. It looks and seems to work fine. Having stripped cleaned and
> reassembled the whole front panel, quite an experience, I feel quite good.
> Hopefully it will last a good more few years.
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> As to the other chap who mentioned sending just the encoder board I think I
> will order a spare. I did send them the logic board for repair a year or
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> Anyway the radio is now all back together. I have a strange pulsing noise
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> George W2YJ
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> Behalf Of Martin Sole
> Sent: Friday, November 16, 2012 8:14 AM
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> cleaning/re-seating to clean up my intermittent encoders. First order of
> business seems to be to remove the 6 small knobs but it seems I am already
> stuck, or rather they are. I had presumed them to be just push on but that
> might not be the case. I saw no set screws so gave a firm pull on the multi
> knob only to have it come away with the shaft from the encoder. Not a good
> start! Testing all the others they seem equally well attached so short of
> destroying all 6 to get them off what am I doing wrong?
>
> Martin, HS0ZED
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
> ------------------------------------
>
> Yahoo! Groups Links
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2013.0.2793 / Virus Database: 2629/5894 - Release Date: 11/14/12
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> [Non-text portions of this message have been removed]
>
> ------------------------------------
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>
>
>

[Non-text portions of this message have been removed]

8807. RE: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-17 03:58:18 UTC
From: Martin Sole
Topic: 8779 Message: 8807

I pulled it apart, unintentionally of course. Recalling what I read about a firm grab of the knob to fix the intermittent RIT I was somewhat surprised when the knob came away with the shaft still attached!

The way the encoder is built the shaft has a groove about 4/5ths of the way down, beyond this the round profile transitions to having two flats. The shaft also has a stepped profile so it will only push in so far, once fitted there is about 1mm play to allow for the switch operation.

I started by removing the encoder from the pcb, then I carefully squeezed together the securing prongs that hold the mounting plate on. With this removed the encoder breaks down into its constituent parts. Working from the front there is the shaft that passes into the cast housing, the shaft is held in place both by its stepped profile at the front and on the back of the cast housing by a small circlip, this is what gave way when I pulled on the knob. A ring of contacts sits inside the housing, the hole in the middle of this mates with the end of the shaft. A plastic plate is next that holds the mating contacts for the encoder ring and routes them to the external pins. After this there is a thin plastic plate that provides a cushion and insulator to the metal dome switch that is on the rear most plastic plate. The whole lot sandwiches together and is held together by the metal mounting bracket and the clips that splay apart to hold it in place.

To repair it I had to strip it down, re-fit the shaft and secure the circlip, then rebuild. An illuminated magnifier and jewellers style loupe were essential.

So far so good. It's all back together again and working as it should. There is no sign that the repaired control is any weaker though I see no point stressing it more than necessary, if anything it is a little smoother. I will be looking at replacements for the spares pack just in case.

Regards and thanks for all the tips that got me this far.

Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Saturday, November 17, 2012 09:10
To: orion565@yahoogroups.com
Subject: Re: [orion565] More encoder woes

How exactly did the encoder fail such that you could rebuild it???

Barry N1EU

On Sat, Nov 17, 2012 at 1:14 AM, Martin Sole <hs0zed@...> wrote:

> **
>
>

> Hi George,
>
> Well it sometimes is a bit of a pain but then again it can lead to
> some inventiveness. I managed to get the encoders off and have rebuilt
> the broken one. It looks and seems to work fine. Having stripped
> cleaned and reassembled the whole front panel, quite an experience, I
> feel quite good.
> Hopefully it will last a good more few years.
>
> As to the other chap who mentioned sending just the encoder board I
> think I will order a spare. I did send them the logic board for repair
> a year or two back and that worked out fine.
>
> Anyway the radio is now all back together. I have a strange pulsing
> noise from the sub receiver and its S meter is at about the 10 over 9
> position Looks like I might have a cable in the wrong position on the
> logic board :(
>
> Martin, HS0ZED
>
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf Of George
> Sent: Saturday, November 17, 2012 03:05
> To: orion565@yahoogroups.com
> Subject: RE: [orion565] More encoder woes
>
> Yes I see, sorry Martin,
>
> George W2YJ
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf Of Martin Sole
> Sent: Friday, November 16, 2012 8:52 AM
> To: orion565@yahoogroups.com
> Subject: RE: [orion565] More encoder woes
>
> Hi George,
>
> Yes, it would be easiest I guess. But see my callsign, it's sometimes
> not quite that simple.
>
> 73
> Martin, HS0ZED
>
> -----Original Message-----
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>]
> On Behalf Of George

> Sent: Friday, November 16, 2012 20:37
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: RE: [orion565] More encoder woes
>
> I just ordered the encoders from Ten Tec.
>
> The encoders are mechanical encoders as opposed to optical ones.
>
> As I said, I changed all of the encoders on my O2 while I had it apart.
>
> I'd just call TT and order the encoders from them as I did.
>
> It is a daunting task to change the encoders but if you are meticulous
> as to the removal and un-soldering and re-soldering you should be
> successful.
>
> If you don't feel comfortable with self-repair I'd send it back to TT.
>
> George W2YJ
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>]
> On Behalf Of Martin Sole
> Sent: Friday, November 16, 2012 8:14 AM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: RE: [orion565] More encoder woes
>
> Don't know either George. I'm loathe to pull hard on them again in
> case more disintegrate. I can only surmise that maybe they have been
> stuck on. The encoders look surprisingly like one we use on our G/A
> radios. Does anyone have a generic part identification for these? I
> might be able to source them locally.
>
> Thanks
> Martin, HS0ZED
>
> -----Original Message-----
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On Behalf Of George
> Sent: Friday, November 16, 2012 19:56
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: RE: [orion565] More encoder woes
>
> I've have all my knobs off by just pulling them off. I don't know why
> your knobs are stuck on???
>
> George W2YJ

>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On Behalf Of Martin Sole
> Sent: Friday, November 16, 2012 1:59 AM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] More encoder woes
>
> Well I read the wiki, and looked in a few other places and came to the
> conclusion I needed to pull the front panel and do some contact
> cleaning/re-seating to clean up my intermittent encoders. First order
> of business seems to be to remove the 6 small knobs but it seems I am
> already stuck, or rather they are. I had presumed them to be just push
> on but that might not be the case. I saw no set screws so gave a firm
> pull on the multi knob only to have it come away with the shaft from
> the encoder. Not a good start! Testing all the others they seem
> equally well attached so short of destroying all 6 to get them off what am I doing wrong?
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Yahoo! Groups Links

No virus found in this message.
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Version: 2013.0.2793 / Virus Database: 2629/5894 - Release Date: 11/14/12

8808. Re: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-17 09:01:47 UTC
From: Dick W4WU
Topic: 8779 Message: 8808

Does anyone have the part no. and cost of a new encoder?

8809. RE: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-17 13:35:34 UTC
From: George
Topic: 8779 Message: 8809

Martin;

Good to hear that you got that darn thing back together.

You're now an expert, hi.

Good DX and 73's.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Martin Sole
Sent: Friday, November 16, 2012 8:15 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] More encoder woes

Hi George,

Well it sometimes is a bit of a pain but then again it can lead to some inventiveness. I managed to get the encoders off and have rebuilt the broken one. It looks and seems to work fine. Having stripped cleaned and reassembled the whole front panel, quite an experience, I feel quite good. Hopefully it will last a good more few years.

As to the other chap who mentioned sending just the encoder board I think I will order a spare. I did send them the logic board for repair a year or two back and that worked out fine.

Anyway the radio is now all back together. I have a strange pulsing noise from the sub receiver and its S meter is at about the 10 over 9 position Looks like I might have a cable in the wrong position on the logic board :(

Martin, HS0ZED

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From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of George
Sent: Saturday, November 17, 2012 03:05
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] More encoder woes

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George W2YJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
Behalf
Of Martin Sole
Sent: Friday, November 16, 2012 8:52 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] More encoder woes

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quite that simple.

73
Martin, HS0ZED

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The encoders are mechanical encoders as opposed to optical ones.

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I'd just call TT and order the encoders from them as I did.

It is a daunting task to change the encoders but if you are meticulous as to
the removal and un-soldering and re-soldering you should be successful.

If you don't feel comfortable with self-repair I'd send it back to TT.

George W2YJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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<mailto:orion565%40yahoogroups.com>] On
Behalf Of Martin Sole
Sent: Friday, November 16, 2012 8:14 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] More encoder woes

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disintegrate. I can only surmise that maybe they have been stuck on. The

encoders look surprisingly like one we use on our G/A radios. Does anyone have a generic part identification for these? I might be able to source them locally.

Thanks
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<mailto:orion565%40yahoogroups.com>] On Behalf Of George
Sent: Friday, November 16, 2012 19:56
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] More encoder woes

I've have all my knobs off by just pulling them off. I don't know why your knobs are stuck on???

George W2YJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
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To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
Subject: [orion565] More encoder woes

Well I read the wiki, and looked in a few other places and came to the conclusion I needed to pull the front panel and do some contact cleaning/re-seating to clean up my intermittent encoders. First order of business seems to be to remove the 6 small knobs but it seems I am already stuck, or rather they are. I had presumed them to be just push on but that might not be the case. I saw no set screws so gave a firm pull on the multi knob only to have it come away with the shaft from the encoder. Not a good start! Testing all the others they seem equally well attached so short of destroying all 6 to get them off what am I doing wrong?

Martin, HS0ZED

[Non-text portions of this message have been removed]

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Yahoo! Groups Links

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[Non-text portions of this message have been removed]

Yahoo! Groups Links

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[Non-text portions of this message have been removed]

8810. Problem with Orion II and N1MM Logger

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-17 18:25:14 UTC
From: Rod Greene
Topic: 8810 Message: 8810

I know this is just before SS SSB .....

Problem:
When I click
on a function key to send a .wav file, something in Logger resets my
Mic gain setting on the Orion to zero. If I turn up the Mic gain setting
while the .wav file is playing, the audio gets transmitted. Then when I
click on a function key the next time, the Mic gain is set back to zero
again. After the message plays, the Mic gain is restored to normal
level. Don't know if that makes sense. It's just when the function key
is pressed and the message is playing, that the Mic gain gets set to
zero. After the message is done, the Mic gain reverts to normal setting.

I have been working on this for hours, and can't find the setting that does this.

I tried using an old version of Writelog and it works fine for playing recorded messages.
ie, it doesn't mess with
the Orion's Mic gain.

By the way, I'm using an original MicroKeyer for the interface. However, I don't think it's the problem.

Sure would appreciate some idea of what to look for. I'll cross post this to the Orion reflector.

Thanks and 73. Good luck in the SS

Rod/w7zrc

[Non-text portions of this message have been removed]

8811. Re: [orion565] Problem with Orion II and N1MM Logger

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-17 19:27:08 UTC
From: Barry N1EU
Topic: 8810 Message: 8811

Go into the Configurer and look at the Other tab - see if the "Mute mic on supported radios" box is checked. Uncheck it if it is and see if that fixes it.

73,
Barry N1EU

On Sat, Nov 17, 2012 at 6:25 PM, Rod Greene <w7zrc@yahoo.com> wrote:

> **
>
>
> I know this is just before SS SSB .....
>
> Problem:
> When I click
> on a function key to send a .wav file, something in Logger resets my
> Mic gain setting on the Orion to zero. If I turn up the Mic gain setting
> while the .wav file is playing, the audio gets transmitted. Then when I
> click on a function key the next time, the Mic gain is set back to zero
> again. After the message plays, the Mic gain is restored to normal
> level. Don't know if that makes sense. It's just when the function key
> is pressed and the message is playing, that the Mic gain gets set to
> zero. After the message is done, the Mic gain reverts to normal setting.
>
> I have been working on this for hours, and can't find the setting that
> does this.
>
> I tried using an old version of Writelog and it works fine for playing
> recorded messages. ie, it doesn't mess with
> the Orion's Mic gain.
>
> By the way, I'm using an original MicroKeyer for the interface. However, I
> don't think it's the problem.
>
> Sure would appreciate some idea of what to look for. I'll cross post this
> to the Orion reflector.
>
> Thanks and 73. Good luck in the SS
>
> Rod/w7zrc
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

8812. Re: [orion565] Problem with Orion II and N1MM Logger

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-18 02:43:40 UTC
From: Rod Greene
Topic: 8810 Message: 8812

Thanks Barry, that was it.

73, Rod

[Non-text portions of this message have been removed]

8813. Orion 565 tune button problem

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-18 04:59:35 UTC
From: Michael Carter
Topic: 8813 Message: 8813

I pushed the tune button on my 565 as I have done many times before, and the Orion started transmitting low power as always. SWR was good and I pushed the tune button again to return to receive and the tx would not stop. I had to turn off the 565 and power on to go back to regular operation. After several times of this, I did a master reset but it did not correct the locked in tx issue.

[Non-text portions of this message have been removed]

8814. Looking for a 311

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-19 18:26:50 UTC
From: Fernando
Topic: 8814 Message: 8814

Hello

Just picked up a Hercules II and searching for the 311 Band decoder

or a schematic of it.

tnx

Fernando N2FQ/6
n2fq@...

[Non-text portions of this message have been removed]

8815. Parameters Versus Registers and How to Use Each

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-20 00:13:35 UTC
From: John
Topic: 8815 Message: 8815

All,

Had my Orion II for a while now and still figuring out all it can do. I have been using the "parameters" function almost since I got the rig without difficulty. Silly me, during the Phone Sweepstakes Contest I stumbled on the "registers" function. In the middle of the night I pushed a bandswitch twice and the "A" turned to a "B"! And then I learned there is also a "C" and a "D".

Can't really find any documentation on this function. So I have four band registers and my question is what do they do and how are people using them?

Tnx,

John, K4SQC

8816. RE: [orion565] Parameters Versus Registers and How to Use Each

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-20 00:20:33 UTC
From: Duane Calvin
Topic: 8815 Message: 8816

They hold four different frequencies/modes for each band, and everyone seems to use them differently. I keep mine in order - A = CW portion, B = PSK-31, C = RTTY, and D = SSB. The only drawback to my method is that I have to switch bandstacking register before I pounce on a spot if I'm switching modes. But it gets me around the bands quickly and gets me set up to use whatever mode I'm headed for. For what it's worth. Now others will tell you how they use it!

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John
Sent: Monday, November 19, 2012 6:14 PM
To: orion565@yahoogroups.com
Subject: [orion565] Parameters Versus Registers and How to Use Each

All,

Had my Orion II for a while now and still figuring out all it can do. I have been using the "parameters" function almost since I got the rig without difficulty. Silly me, during the Phone Sweepstakes Contest I stumbled on the "registers" function. In the middle of the night I pushed a bandswitch twice and the "A" turned to a "B"! And then I learned there is also a "C" and a "D".

Can't really find any documentation on this function. So I have four band registers and my question is what do they do and how are people using them?

Tnx,

John, K4SQC

Yahoo! Groups Links

8817. Opinons

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-24 21:45:46 UTC
From: K4AAV
Topic: 8817 Message: 8817

Hello group. I am very interested in the Orion II and currently have the FTDX-9000D. I want to try something new and I have heard great things about the Orion II. Can anyone provide any comparasions between the 9000 and the Orion II. The other radio I am looking at is the Flex 6000 series. I am not keen about a computer based radio nor have the time to learn all the capabilities it has, but it is a nice mouse radio when it comes to features. I like knobs and and a real radio. I would love your thoughts to my original questions. Thanks again.

Will, k4AAV

8819. RE: [orion565] Opinons

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-24 22:28:17 UTC
From: w4my@reagan.com
Topic: 8817 Message: 8819

Hello Will

I have owned my Orion 2 since March of this year. All in all I am glad I got it. The best radio I had before this was an FT-1000MP I had optimized for contesting. I liked that rig allot when I used it.

After contesting with the O2 there is no comparison. I could go on and on with anecdotes of how well the receiver performs and the absolute pleasure of the filtering like I've never heard before, but this is all common knowledge. The Orion is much easier to understand and use than the 1000MP.

In my DXing, I have attached an amplified Wellbrook 1780 receiving loop to the receiver only input and route that to the independent second receiver. I set up diversity receive and I am awe struck at the sound! Sometimes I just pause and listen to the white noise barely audible in the background and get teary-eyed it sounds so good! But when I come to my senses, I go for the DX and kick in the SAF and the ESP level signal pops up to Q5. I'M NOT EXAGGERATING!

That said, this rig is not for everybody. If slick and neat man to machine interfacing that the Japanese have perfected so well in their rigs is important to you, then this rig may not be for you. This rig is basic, basic, basic when it comes to fiddling with it. You have to use this rig a while to appreciate why you spent so much $$$ for it. My first impression a few days out of the box was not positive. I would think after messing with the front panel, "My gosh man, this is a $5K radio! Was this thing built in a garage?" Read the QST review published about 5-6 years ago and it will give you an idea of what I'm talking about.

But if you want a radio that PERFORMS then there are few competitors, and the offerings from Japan are not among them. The only reason I didn't go K3 is because I found Elecraft more difficult to use. Then when I listened to my friends O2 on SSB, that sealed it for me.

I hope this was helpful Good Luck! 73 Marty / W4MY

-----Original Message-----
From: "K4AAV" <k4aav@...>
Sent: Saturday, November 24, 2012 4:45pm
To: orion565@yahoogroups.com
Subject: [orion565] Opinons

Hello group. I am very interested in the Orion II and currently have the FTDX-9000D. I want to try something new and I have heard great things about the Orion II. Can anyone provide any comparasions between the 9000 and the Orion II. The other radio I am looking at is the Flex 6000 series. I am not keen about a computer based radio nor have the time to learn all the capabilities it has, but it is a nice mouse radio when it comes to features. I like knobs and and a real radio. I would love your thoughts to my original questions. Thanks again.

Will, k4AAV

8820. Re: [orion565] Opinions

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-25 00:06:00 UTC
From: K7FD
Topic: 8817 Message: 8820

Hang on to your Yaesu while you take a 30 day money back guarantee Ten Tec test drive. You can't lose (sans shipping) and that way you can make your own comparison.

I have no experience with the '9000 but have found the receiver in the Orion II to border on perfect for my ears. The best way I can describe it is the lack of listener fatigue due to the low noise floor.

We all know Beauty is in the eye of the beholder. I happen to like the Orion II's somewhat spartan looks. I'd call it refreshening, really. But one word of caution here: the built-in scope, while useful for displaying band activity, is certainly nowhere close to even my IC756 Pro II.

Again, check out that 30 day Ten Tec test drive.

I've found the Orion II appears to be best appreciated by experienced hams. An experienced ham will know in short order what the Orion II brings to the table.

73 John K7FD

On Nov 24, 2012, at 1:45 PM, "K4AAV" <k4aav@...> wrote:

> Hello group. I am very interested in the Orion II and currently have the FTDX-9000D. I want to try something new and I have heard great things about the Orion II. Can anyone provide any comparasions between the 9000 and the Orion II. The other radio I am looking at is the Flex 6000 series. I am not keen about a computer based radio nor have the time to learn all the capabilities it has, but it is a nice mouse radio when it comes to features. I like knobs and and a real radio. I would love your thoughts to my original questions. Thanks again.
>
> Will, k4AAV
>
>

[Non-text portions of this message have been removed]

8821. Re: [orion565] Opinons

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-25 01:53:03 UTC
From: Don Prater
Topic: 8817 Message: 8821

Will,
I have been remote for over six years now.My original set up was a Orion II and a Omni VII. They are both great radios. They are a different radio than the 9000. If you use the Orion II then you will want to use the
n4py software with it. You can have a remote tuning knob to go with it you like. If you are into controlling a radio with a mouse you will want a free wheeling mouse. I became so adept with this combination that it was hard to operate a radio with knobs. However, along came Elecraft with K0 and a K3 combination. This configuration allows you to keep your knobs and still operate remote. The K0 controls the K3 remotely. It uses the remote rig control boxes. I control a complete station remotely. That includes a Alpha 87A amp., Yaesu 2800 antenna rotator, select 10 different antennas, operate a DX Eng. 4 sq, control a MFJ 988 antenna tuner, a K3 and a KP500 amp. If you are interested give me a call and I will be happy to pass on to you my experience. You can reach me at 865-556-6390, or I will sked with you.

73
Don...W4TO

From: K4AAV
Sent: Saturday, November 24, 2012 4:45 PM
To: orion565@yahoogroups.com
Subject: [orion565] Opinons

Hello group. I am very interested in the Orion II and currently have the FTDX-9000D. I want to try something new and I have heard great things about the Orion II. Can anyone provide any comparasions between the 9000 and the Orion II. The other radio I am looking at is the Flex 6000 series. I am not keen about a computer based radio nor have the time to learn all the capabilities it has, but it is a nice mouse radio when it comes to features. I like knobs and and a real radio. I would love your thoughts to my original questions. Thanks again.

Will, k4AAV

[Non-text portions of this message have been removed]

8822. Orion 1 and DRM?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-25 07:54:58 UTC
From: Mr
Topic: 8822 Message: 8822

Any off list input form someone doing this appreciated. I beleive I need some sort of tmp y connector to get IF out of the radio. Are these available pre-made?

Positive input appreciated.
AC2Q

8823. Net Times and Frequencies please?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-25 14:12:24 UTC
From: hglent
Topic: 8823 Message: 8823

What time and frequencies are the Sunday nets?

TNX

Paul K.

8824. RE: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-25 14:55:32 UTC
From: Matrin Sole
Topic: 8779 Message: 8824

I removed the front panel and can see the small daughter board that the encoders are mounted on, and the connector that couples this to the main front panel switch board. To remove the daughter board I would assume I need to withdraw the encoder shafts back through the front panel, hence my wish to pull the knobs. Is there another way to separate the daughter board from the front panel board?

Thanks
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: 16 November 2012 17:00
To: orion565@yahoogroups.com
Subject: Re: [orion565] More encoder woes

I don't think you have to pull the knobs Martin. Remove the top/bottom covers and you'll see the screws that hold the front panel. Consult the V2 Mod installation document that is linked on the wiki.

73,
Barry N1EU

On Fri, Nov 16, 2012 at 6:58 AM, Martin Sole <hs0zed@...> wrote:

> **
>
>
> Well I read the wiki, and looked in a few other places and came to the
> conclusion I needed to pull the front panel and do some contact
> cleaning/re-seating to clean up my intermittent encoders. First order
> of business seems to be to remove the 6 small knobs but it seems I am
> already stuck, or rather they are. I had presumed them to be just push
> on but that might not be the case. I saw no set screws so gave a firm
> pull on the multi knob only to have it come away with the shaft from
> the encoder. Not a good start! Testing all the others they seem
> equally well attached so short of destroying all 6 to get them off what am I doing wrong?
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> Martin, HS0ZED
>
> [Non-text portions of this message have been removed]
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>

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Yahoo! Groups Links

8825. RE: [orion565] Orion, Flaky encoders

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-25 14:55:32 UTC
From: Matrin Sole
Topic: 8772 Message: 8825

Thanks barry,

That's a good read, and pretty much the sort of thing I recall but I'm curious that most of it revolves around the RIT, I have that problem, for sure, but with at least another 3 of the 6 encoders acting up it's either something else as well or the problem extends beyond the RIT as well.

Maybe the tropical weather doesn't agree with them.

Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: 15 November 2012 22:28
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion, Flaky encoders

Good RIT encoder discussion at
http://www.tentecwiki.org/doku.php?id=565ritfix

73,
Barry N1EU

On Thu, Nov 15, 2012 at 3:04 PM, Martin Sole <hs0zed@csloxinfo.com> wrote:

> **
>
>
> Really just starting to notice that all of my encoders are a bit
> flaky. I don't tend to use RIT very much, I'll A>B and split as a
> rule, but I see the RIT encoder will not move other than to flash the
> minus sign but I also see the multi encoder is flaky, it changes but
> hesitates and jumps and is not a smooth progression either up or down.
> Same with the L-H cut and PBT/BW controls. The volume encoders seem
> better.
>
> I recall this coming up here before; is it just the plug connections
> or is more work generally required? Would like to clear it up in one
> round of disassembly if possible.
>
> Thanks
>
> Martin, HS0ZED
>
> [Non-text portions of this message have been removed]
>
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>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

8826. RE: [orion565] Orion 1 and DRM?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-25 17:41:50 UTC
From: John T. Fleming
Topic: 8822 Message: 8826

Mike,

You can make a "Y" female connector for the RG174 coax and then split the line for the sub-receiver and insert the "Y" and take the third piece of coax and connect it to the "spare" connection of the connector board mounted on the back of the Orion. The IF is 14.5 KHz but does not seem to be a problem. I use DReaM software which is free. I purchased the original DRM software but then needed an update to a later version of Windows. That is when I found DReaM. You can download it from http://sourceforge.net/apps/mediawiki/drm/index.php?title=Main_Page.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Mr
Sent: Sunday, November 25, 2012 2:55 AM
To: orion565@yahoogroups.com
Subject: [orion565] Orion 1 and DRM?

Any off list input form someone doing this appreciated. I beleive I need some sort of tmp y connector to get IF out of the radio. Are these available pre-made?

Positive input appreciated.
AC2Q

[Non-text portions of this message have been removed]

8827. RE: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-25 17:53:20 UTC
From: Bill Sepulveda
Topic: 8779 Message: 8827

Hello Martin,

Before you go and take your Orion apart. I would like to share the experience I had with my Orion and encoders.

I have an original Orion (made back in 2004) and my RIT and other controls were getting flaky and not always working as they did when it was new. Well, my memory battery wore out and needed to be replaced. While I had the front panel off to replace the memory battery, I remember reading in an email that the issues with the encoders may not be the encoders themselves, but the connection in the ribbon connectors. I removed the ribbon cables and sprayed contact cleaner/lubricant in the connectors to get the cleaner in the holes. Now this does not mean that in your situation you do not have a bad encoder. But before removing everything I would recommend spraying the contact lubricant into the ribbon connectors first, and see how that works. It brought my Orion back to where all the encoders worked just like new. If the encoder is really bad it will show up right away after cleaning the connector connections.

Good luck and best wishes with you Orion.

Tnx,

Bill, K5LN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Matrin Sole
Sent: Sunday, November 25, 2012 8:56 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] More encoder woes

I removed the front panel and can see the small daughter board that the encoders are mounted on, and the connector that couples this to the main front panel switch board. To remove the daughter board I would assume I need to withdraw the encoder shafts back through the front panel, hence my wish to pull the knobs. Is there another way to separate the daughter board from the front panel board?

Thanks
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of Barry N1EU
Sent: 16 November 2012 17:00
To: orion565@...m <mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] More encoder woes

I don't think you have to pull the knobs Martin. Remove the top/bottom covers and you'll see the screws that hold the front panel. Consult the V2 Mod installation document that is

linked on the wiki.

73,
Barry N1EU

On Fri, Nov 16, 2012 at 6:58 AM, Martin Sole <hs0zed@... <mailto:hs0zed%40csloxinfo.com> >
wrote:

> **
>
>
> Well I read the wiki, and looked in a few other places and came to the
> conclusion I needed to pull the front panel and do some contact
> cleaning/re-seating to clean up my intermittent encoders. First order
> of business seems to be to remove the 6 small knobs but it seems I am
> already stuck, or rather they are. I had presumed them to be just push
> on but that might not be the case. I saw no set screws so gave a firm
> pull on the multi knob only to have it come away with the shaft from
> the encoder. Not a good start! Testing all the others they seem
> equally well attached so short of destroying all 6 to get them off what am I doing wrong?
>
> Martin, HS0ZED
>
> [Non-text portions of this message have been removed]
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Yahoo! Groups Links

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8828. Re: [orion565] More encoder woes

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-25 20:21:14 UTC
From: Rod Greene
Topic: 8779 Message: 8828

Same experience here Bill with my O2. It was manufactured in 2005. I replaced the battery and removed the front panel connectors and sprayed them with cleaner. Controls work nicely now.

73 and good luck!
Rod/w7zrc

_____
From: Bill Sepulveda <k5ln@...>
To: orion565@yahoogroups.com
Sent: Sunday, November 25, 2012 10:53 AM
Subject: RE: [orion565] More encoder woes

Hello Martin,

Before you go and take your Orion apart. I would like to share the experience I had with my Orion and encoders.

I have an original Orion (made back in 2004) and my RIT and other controls were getting flaky and not always working as they did when it was new. Well, my memory battery wore out and needed to be replaced. While I had the front panel off to replace the memory battery, I remember reading in an email that the issues with the encoders may not be the encoders themselves, but the connection in the ribbon connectors. I removed the ribbon cables and sprayed contact cleaner/lubricant in the connectors to get the cleaner in the holes. Now this does not mean that in your situation you do not have a bad encoder. But before removing everything I would recommend spraying the contact lubricant into the ribbon connectors first, and see how that works. It brought my Orion back to where all the encoders worked just like new. If the encoder is really bad it will show up right away after cleaning the connector connections.

Good luck and best wishes with you Orion.

Tnx,

Bill, K5LN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Matrin Sole
Sent: Sunday, November 25, 2012 8:56 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] More encoder woes

I removed the front panel and can see the small daughter board that the encoders are mounted on, and the connector that couples this to the main front panel switch board. To remove the daughter board I would assume I need to withdraw the encoder shafts back through the front panel, hence my wish to pull the knobs. Is there another way to separate the daughter board from the front panel board?

Thanks
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of Barry N1EU
Sent: 16 November 2012 17:00
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] More encoder woes

I don't think you have to pull the knobs Martin. Remove the top/bottom covers and you'll see the screws that hold the front panel. Consult the V2 Mod installation document that is linked on the wiki.

73,
Barry N1EU

On Fri, Nov 16, 2012 at 6:58 AM, Martin Sole <hs0zed@... <mailto:hs0zed%40csloxinfo.com> > wrote:

> **
>
>
> Well I read the wiki, and looked in a few other places and came to the
> conclusion I needed to pull the front panel and do some contact
> cleaning/re-seating to clean up my intermittent encoders. First order
> of business seems to be to remove the 6 small knobs but it seems I am
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> on but that might not be the case. I saw no set screws so gave a firm
> pull on the multi knob only to have it come away with the shaft from
> the encoder. Not a good start! Testing all the others they seem
> equally well attached so short of destroying all 6 to get them off what am I doing wrong?
>
> Martin, HS0ZED
>
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Yahoo! Groups Links

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[Non-text portions of this message have been removed]

8829. T*T Batteries

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-25 21:05:15 UTC
From: Sam W Jacobs CET
Topic: 8779 Message: 8829

A thought just occurred to me.

I'm referring to the lithium battery located on the ORION radios. All of these batteries are suppose to have a
10 year life span (as told to me by Ten*Tec engineering) however we as users are replacing them left and right.
On my ORION II I've had to replace two of them (and pay for one of them). This isn't right.
Replacing them isn't fun either as they are located behind the front panel, not a fun fix.

I have three suggestions for Ten*Tec. First, find another supplier for these batteries as some aren't lasting more than
a year or two. Second, locate these batteries more towards the back of the radio so that replacing them only
requires removing two screws and popping in another battery. Finally, they could do better using a watch-type
battery, say a 2025 or 2032, or even move towards a AA type rechargeable.

My three cents worth.

73 !

Sam
K3SAM

From: Rod Greene <w7zrc@...>
To: "orion565@...m" <orion565@yahoogroups.com>
Sent: Sunday, November 25, 2012 3:21 PM
Subject: Re: [orion565] More encoder woes

Same experience here Bill with my O2. It was manufactured in 2005. I replaced the battery and removed the front panel connectors and sprayed them with cleaner. Controls work nicely now.

73 and good luck!
Rod/w7zrc

From: Bill Sepulveda <k5ln@...>
To: orion565@yahoogroups.com
Sent: Sunday, November 25, 2012 10:53 AM
Subject: RE: [orion565] More encoder woes

Hello Martin,

Before you go and take your Orion apart. I would like to share the experience I had with my Orion and encoders.

I have an original Orion (made back in 2004) and my RIT and other controls were getting flaky and not always working as they did when it was new. Well, my memory battery wore out and needed to be replaced. While I had the front panel off to replace the memory battery, I remember reading in an email that the issues with the encoders may not be the encoders themselves, but the connection in the ribbon connectors. I removed the ribbon cables and sprayed contact cleaner/lubricant in the connectors to get the cleaner in the holes. Now this does not mean that in your situation you do not have a bad encoder. But before removing everything I would recommend spraying the contact lubricant into the ribbon connectors first, and see how that works. It brought my Orion back to where all the encoders worked just like new. If the encoder is really bad it will show up right away after cleaning the connector connections.

Good luck and best wishes with you Orion.

Tnx,

Bill, K5LN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Matrin Sole
Sent: Sunday, November 25, 2012 8:56 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] More encoder woes

I removed the front panel and can see the small daughter board that the encoders are mounted on, and the connector that couples this to the main front panel switch board. To remove the daughter board I would assume I need to withdraw the encoder shafts back through the front panel, hence my wish to pull the knobs. Is there another way to separate the daughter board from the front panel board?

Thanks
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of Barry N1EU
Sent: 16 November 2012 17:00
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] More encoder woes

I don't think you have to pull the knobs Martin. Remove the top/bottom covers and you'll see the screws that hold the front panel. Consult the V2 Mod installation document that is linked on the wiki.

73,
Barry N1EU

On Fri, Nov 16, 2012 at 6:58 AM, Martin Sole <hs0zed@... <mailto:hs0zed%40csloxinfo.com> > wrote:

> **
>
>
> Well I read the wiki, and looked in a few other places and came to the

> conclusion I needed to pull the front panel and do some contact
> cleaning/re-seating to clean up my intermittent encoders. First order
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> pull on the multi knob only to have it come away with the shaft from
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>
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

8831. Orion 1 and RX-366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-25 23:54:20 UTC
From: nr0t_mn
Topic: 8831 Message: 8831

I recently installed the RX-366 in my Orion 565.
I have not yet installed any additional filters.
Is the one which shipped at 2.4 KHz filter?
Is anyone using InRad filters on the RX-366?
If so, which ones?
When I search their site, nothing comes up. Do I select the ones for the TenTec Eagle?

On an unrelated noted, does anyone know of any documentation for the Orion menu items which were created in newer versions of the firmware?
I have checked the Orion Wiki with no luck.

Tnx
Rolf NR0T

8832. Re: [orion565] Orion 1 and RX-366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-26 00:56:15 UTC
From: Barry N1EU
Topic: 8831 Message: 8832

For documentation on the new RX Menu entries in v3, you might check the
firmware release notes.

73,
Barry N1EU

On Sun, Nov 25, 2012 at 3:54 PM, nr0t_mn <rolf.krogstad@...> wrote:

> **
>
>
> I recently installed the RX-366 in my Orion 565.
> I have not yet installed any additional filters.
> Is the one which shipped at 2.4 KHz filter?
> Is anyone using InRad filters on the RX-366?
> If so, which ones?
> When I search their site, nothing comes up. Do I select the ones for the
> TenTec Eagle?
>
> On an unrelated noted, does anyone know of any documentation for the Orion
> menu items which were created in newer versions of the firmware?
> I have checked the Orion Wiki with no luck.
>
> Tnx
> Rolf NR0T
>
>
>

[Non-text portions of this message have been removed]

8834. Re: T*T Batteries

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-27 16:41:48 UTC
From: k1fpv
Topic: 8779 Message: 8834

Hi Sam,

This brings up a good point! I own an Argo V, 526(6N2),original green screen Jupiter, Omni VII and an Orion II....not to mention 3 Ten-Tec Receivers. (RX-320D, RX-340 & RX-350) I've had each of them open for repairs or modification at one time or another. You know, I've never paid any attention to the battery in them if there is one in them.

I think I for one will begin a process of looking for and changing batteries if there is one in the piece of gear every time I open them up for any reason.

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> A thought just occurred to me.
>
> I'm referring to the lithium battery located on the ORION radios.Â All of these batteries are suppose to have a
> 10 year life span (as told to me by Ten*Tec engineering) however we as users are replacing them left and right.Â
> On my ORION II I've had to replace two of them (and pay for one of them).Â This isn't right.Â
> Replacing themÂ isn't fun either as they are located behind the front panel, not a fun fix.
>
> I have three suggestions for Ten*Tec.Â First, find another supplier for these batteries as some aren't lasting more than
> a year or two.Â Second, locate these batteries more towards the back of the radio so that replacing them only
> requires removing two screws and popping in another battery.Â Finally, they could do better using a watch-type
> battery, say a 2025 or 2032, or even move towards a AA type rechargeable.
>
> My three cents worth.
>
> Â
> 73 !
>
> Sam
> K3SAM
>
>
>
> _____
> From: Rod Greene <w7zrc@...>

> To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
> Sent: Sunday, November 25, 2012 3:21 PM
> Subject: Re: [orion565] More encoder woes
>
>
> Â
> Same experience here Bill with my O2. It was manufactured in 2005. I replaced the battery and removed the front panel connectors and sprayed them with cleaner. Controls work nicely now.
>
> 73 and good luck!
> Rod/w7zrc
>
> _____
> From: Bill Sepulveda <k5ln@...>
> To: orion565@yahoogroups.com
> Sent: Sunday, November 25, 2012 10:53 AM
> Subject: RE: [orion565] More encoder woes
>
>
> Â
> Hello Martin,
>
> Before you go and take your Orion apart. I would like to share the experience I had with my Orion and encoders.
>
> I have an original Orion (made back in 2004) and my RIT and other controls were getting flaky and not always working as they did when it was new. Well, my memory battery wore out and needed to be replaced. While I had the front panel off to replace the memory battery, I remember reading in an email that the issues with the encoders may not be the encoders themselves, but the connection in the ribbon connectors. I removed the ribbon cables and sprayed contact cleaner/lubricant in the connectors to get the cleaner in the holes. Now this does not mean that in your situation you do not have a bad encoder. But before removing everything I would recommend spraying the contact lubricant into the ribbon connectors first, and see how that works. It brought my Orion back to where all the encoders worked just like new. If the encoder is really bad it will show up right away after cleaning the connector connections.
>
> Good luck and best wishes with you Orion.
>
> Tnx,
>
> Bill, K5LN
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Matrin Sole
> Sent: Sunday, November 25, 2012 8:56 AM
> To: orion565@yahoogroups.com
> Subject: RE: [orion565] More encoder woes
>

> I removed the front panel and can see the small daughter board that the encoders are mounted on, and the connector that couples this to the main front panel switch board. To remove the daughter board I would assume I need to withdraw the encoder shafts back through the front panel, hence my wish to pull the knobs. Is there another way to separate the daughter board from the front panel board?
>
> Thanks
> Martin, HS0ZED
>
> -----Original Message-----
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of Barry N1EU
> Sent: 16 November 2012 17:00
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] More encoder woes
>
> I don't think you have to pull the knobs Martin. Remove the top/bottom covers and you'll see the screws that hold the front panel. Consult the V2 Mod installation document that is linked on the wiki.
>
> 73,
> Barry N1EU
>
> On Fri, Nov 16, 2012 at 6:58 AM, Martin Sole <hs0zed@... <mailto:hs0zed%40csloxinfo.com>
> wrote:
>
> > **
> >
> >
> > Well I read the wiki, and looked in a few other places and came to the
> > conclusion I needed to pull the front panel and do some contact
> > cleaning/re-seating to clean up my intermittent encoders. First order
> > of business seems to be to remove the 6 small knobs but it seems I am
> > already stuck, or rather they are. I had presumed them to be just push
> > on but that might not be the case. I saw no set screws so gave a firm
> > pull on the multi knob only to have it come away with the shaft from
> > the encoder. Not a good start! Testing all the others they seem
> > equally well attached so short of destroying all 6 to get them off what am I doing wrong?
> >
> > Martin, HS0ZED
> >
> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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8835. WTB Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-27 21:33:41 UTC
From: ki4ps
Topic: 4635 Message: 8835

A ham friend of mine, K4JAH that has an Orion. He's looking for an Orion II.

Anybody know where one is let him know at jackahurstjr@....

He tried to join this group and something happened during the process. He is attempting to try again, but until then I will ask for him.

Jerry, ki4ps
TT Eagle, Orion II

8836. auto tuner wanted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-27 22:09:10 UTC
From: IK4PKN
Topic: 8836 Message: 8836

hi, i want to buy this auto tuner for my ten tec orion 565 new or used.
i try to buy on web site but for my location it's not available... :-(((

8838. CORREZIONE !!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-27 22:25:13 UTC
From: Fabio Liberatori
Topic: 8836 Message: 8838

Scusa, il link giusto è questo : http://www.appellofunk.de

Ciao, 73

Fabio I0LBE

8839. Apologies...

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-27 22:37:35 UTC
From: Fabio Liberatori
Topic: 8836 Message: 8839

Sorry for my previous message, I suggested an European TenTec dealer to a colleague but I posted here, my mistake, sorry...

73,

Fabio I0LBE

8840. Interested in purchasing a well kept Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-28 14:46:21 UTC
From: branton_thomas
Topic: 4635 Message: 8840

Good morning everyone,

I am returning to ham radio after a long absence. Have things changed! I have been looking at rigs and I believe I would be very pleased with the Orion II. If anyone has a very nice used Orion II I would be interested. Give me a shout.
73's
Tom
tbranton@...
281-756-3659

8841. Re: [orion565] Interested in purchasing a well kept Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-28 16:29:34 UTC
From: Richard
Topic: 4635 Message: 8841

I put on here for $2600 and no one wanted it. I just sold it on eBay.

C. Richard Pumphrey

NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

On Nov 28, 2012, at 9:46 AM, "branton_thomas" <TBranton@alvincollege.edu> wrote:

> Good morning everyone,
>
> I am returning to ham radio after a long absence. Have things changed! I have been looking at rigs and I believe I would be very pleased with the Orion II. If anyone has a very nice used Orion II I would be interested. Give me a shout.
> 73's
> Tom
> tbranton@...
> 281-756-3659
>
>

[Non-text portions of this message have been removed]

8842. Re: WTB Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-28 00:35:37 UTC
From: William Wallace
Topic: 4635 Message: 8842

Jerry,

I happen to have a full station I am being forced to sell to sell because of medical disabilities.

One of the items includes a Orion II with internal auto tuner, remote tuning knob, matching speaker and all 3 filters. The other 3 station transceivers in include K3/100, Flex-5000, and IC-7000. None of these have been offered prior to this email.

If your friend (or anyone else) is interested, contact me directly at k8waw at att dot net. Additional info at www.QRZ.com/db/k8waw

73 de K8WAW

Bill Wallace
www.qrz.com/db/k8waw

[Non-text portions of this message have been removed]

8843. Orion specs.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-30 02:57:00 UTC
From: Pete Raymond
Topic: 8843 Message: 8843

Where can I find the specification on the Ten Tec Orion as they compare to the Orion II.

I am also looking for information on decoding the Ten Tec serial numbers as they pertain to month and year the product was produced.

73 Pete N4KW

8844. Re: [orion565] Orion specs.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-30 03:23:11 UTC
From: N9ETD@AOL.COM
Topic: 8843 Message: 8844

Pete

Go to the Sherwood Engineering website, Bob has specs for alot of radios on there..

Here's a link to his webpage with the receiver specs on it.

Receiver Test Data (http://www.sherweng.com/table.html) or _http://www.sherweng.com/table.html_ (http://www.sherweng.com/table.html) if the forst link doesn't work..

73, Craig N9ETD

[Non-text portions of this message have been removed]

8845. Re: [orion565] Orion specs.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-11-30 03:46:27 UTC
From: Pete Raymond
Topic: 8843 Message: 8845

Thanks Craig, I'm on my way to the Sherwood Engineering website.
73 Pete N4KW

----- Original Message -----
From: N9ETD@...
To: orion565@yahoogroups.com
Sent: Thursday, November 29, 2012 10:23 PM
Subject: Re: [orion565] Orion specs.

Pete

Go to the Sherwood Engineering website, Bob has specs for alot of radios on there..

Here's a link to his webpage with the receiver specs on it.

Receiver Test Data (http://www.sherweng.com/table.html) or _http://www.sherweng.com/table.html_ (http://www.sherweng.com/table.html) if the forst link doesn't work..

73, Craig N9ETD

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8846. Wanted LP-Pan for Orion 565/566

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-03 02:44:18 UTC
From: AC2FC
Topic: 8846 Message: 8846

Hi ,
I am looking for used LP-Pan panadapter for Orion .
My email is tarniowy@...

73,
Arek
AC2FC

8847. Tentec Serial-USB connector and HRD problems

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-04 16:17:46 UTC
From: Edward Feustel
Topic: 8847 Message: 8847

Sorry for the probable repeat of a topic I expect has been
discussed here before.

I got a new Windows 7 Professional based computer with no serial ports.
I have HRD 5.23 so I got a Ten Tec Serial to USB cable.
It works with FLDIGI and XMLOG, but does NOT allow HRD
to connect and read the frequency. (For that matter HRD does
not work with my Kenwood TS2000 with serial cables either.)

I sent a note to Ten Tec asking and talked via phone to the
cable maker. The former did not answer. The latter did not
know the answer to my question: what is the solution or if
unknown, what should I try next?

Thanks for your patience with me.
73,
Ed, N5EI

8849. Re: Tentec Serial-USB connector and HRD problems

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-05 00:52:20 UTC
From: Frankie
Topic: 8847 Message: 8849

I'll 2nd the recommendation of a Keyspan HS19.

I use one at work to update firmware on older Unix boxes, for connection to some disk drive arrays, for tape arrays and console access to Alpha systems. Works EVERY time, no problem.

I bought a second one to dedicate to my home system.

Very much worth the money.

Frankie
K4TEN.

--- In orion565@yahoogroups.com, catfishtwo@... wrote:
>
> I found the only adapter that worked 99 % of the time was a Keyspan HS19
> (high speed 19) and found them on ebay, among other places. some generic
> ones did ok for this but not fo that, but the keyspan most always works.
> it comes in a single version and a 4 port version. a bit expensive, but
> worth it.And check the internet for updated drivers for your existing
> adapters, it may work better. tom N6AJR
>
>
> In a message dated 12/4/2012 8:23:53 A.M. Pacific Standard Time,
> efeustel@... writes:
>
> Sorry for the probable repeat of a topic I expect has been
> discussed here before.
>
> I got a new Windows 7 Professional based computer with no serial ports.
> I have HRD 5.23 so I got a Ten Tec Serial to USB cable.
> It works with FLDIGI and XMLOG, but does NOT allow HRD
> to connect and read the frequency. (For that matter HRD does
> not work with my Kenwood TS2000 with serial cables either.)
>
> I sent a note to Ten Tec asking and talked via phone to the
> cable maker. The former did not answer. The latter did not
> know the answer to my question: what is the solution or if
> unknown, what should I try next?
>
> Thanks for your patience with me.
> 73,
> Ed, N5EI
>
>
> ------------------------------------
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> Yahoo! Groups Links
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8850. RE: [orion565] Re: Tentec Serial-USB connector and HRD problems

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-05 14:01:54 UTC
From: Andrew B. Steen
Topic: 8847 Message: 8850

When I went to W7, I had to replace all my usb to serial cables.

I went online, and bought some for W7, and they work on all my software/radio situations.

I don't recall the brand, just that they were W7 compatible.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Frankie
Sent: Tuesday, December 04, 2012 4:52 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Tentec Serial-USB connector and HRD problems

I'll 2nd the recommendation of a Keyspan HS19.

I use one at work to update firmware on older Unix boxes, for connection to some disk drive arrays, for tape arrays and console access to Alpha systems. Works EVERY time, no problem.

I bought a second one to dedicate to my home system.

Very much worth the money.

Frankie
K4TEN.

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , catfishtwo@... wrote:
>
> I found the only adapter that worked 99 % of the time was a Keyspan HS19
> (high speed 19) and found them on ebay, among other places. some generic
> ones did ok for this but not fo that, but the keyspan most always works.
> it comes in a single version and a 4 port version. a bit expensive, but
> worth it.And check the internet for updated drivers for your existing
> adapters, it may work better. tom N6AJR
>
>
> In a message dated 12/4/2012 8:23:53 A.M. Pacific Standard Time,
> efeustel@... writes:
>
> Sorry for the probable repeat of a topic I expect has been
> discussed here before.
>
> I got a new Windows 7 Professional based computer with no serial ports.

> I have HRD 5.23 so I got a Ten Tec Serial to USB cable.
> It works with FLDIGI and XMLOG, but does NOT allow HRD
> to connect and read the frequency. (For that matter HRD does
> not work with my Kenwood TS2000 with serial cables either.)
>
> I sent a note to Ten Tec asking and talked via phone to the
> cable maker. The former did not answer. The latter did not
> know the answer to my question: what is the solution or if
> unknown, what should I try next?
>
> Thanks for your patience with me.
> 73,
> Ed, N5EI
>
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8851. Re: [orion565] Tentec Serial-USB connector and HRD problems

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-06 15:37:04 UTC
From: Sam W Jacobs CET
Topic: 8847 Message: 8851

Dynex (Best Buy's brand) also works fine and it's inexpensive. I think I got this one for under $15.

73 !

Sam
K3SAM

From: "catfishtwo@..." <catfishtwo@...>
To: orion565@yahoogroups.com
Sent: Tuesday, December 4, 2012 2:15 PM
Subject: Re: [orion565] Tentec Serial-USB connector and HRD problems

I found the only adapter that worked 99 % of the time was a Keyspan HS19
(high speed 19) and found them on ebay, among other places. some generic
ones did ok for this but not fo that, but the keyspan most always works.
it comes in a single version and a 4 port version. a bit expensive, but
worth it.And check the internet for updated drivers for your existing
adapters, it may work better. tom N6AJR

In a message dated 12/4/2012 8:23:53 A.M. Pacific Standard Time,
efeustel@... writes:

Sorry for the probable repeat of a topic I expect has been
discussed here before.

I got a new Windows 7 Professional based computer with no serial ports.
I have HRD 5.23 so I got a Ten Tec Serial to USB cable.
It works with FLDIGI and XMLOG, but does NOT allow HRD
to connect and read the frequency. (For that matter HRD does
not work with my Kenwood TS2000 with serial cables either.)

I sent a note to Ten Tec asking and talked via phone to the
cable maker. The former did not answer. The latter did not
know the answer to my question: what is the solution or if
unknown, what should I try next?

Thanks for your patience with me.
73,
Ed, N5EI

Yahoo! Groups Links

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8852. RX-366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-08 12:36:14 UTC
From: pywacker@zoomtown.com
Topic: 8852 Message: 8852

Can someone confirm that you can still listen to AM RADIO (like 550 AM, 700 AM, 1530 AM etc)on this receiver like the original sub receiver in the Orion II??

Just want to be sure it's not a Ham Bands only receiver. Hey! want performance but now and then would still like to listen to a local broadcast station.

KE4WY Jim

8853. Re: [orion565] RX-366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-08 13:01:40 UTC
From: Barry N1EU
Topic: 8852 Message: 8853

Yes, you can listen to AM BCB on the RX366

73,
Barry N1EU

On Sat, Dec 8, 2012 at 12:36 PM, <pywacker@...> wrote:

> **
>
>
> Can someone confirm that you can still listen to AM RADIO (like 550 AM,
> 700 AM, 1530 AM etc)on this receiver like the original sub receiver in the
> Orion II??
>
> Just want to be sure it's not a Ham Bands only receiver. Hey! want
> performance but now and then would still like to listen to a local
> broadcast station.
>
> KE4WY Jim
>
>
>

[Non-text portions of this message have been removed]

8854. RE: [orion565] RX-366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-08 13:45:52 UTC
From: Jim
Topic: 8852 Message: 8854

Barry, tnxs much.

73 de KE4WY Jim

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Saturday, December 08, 2012 8:02 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] RX-366

Yes, you can listen to AM BCB on the RX366

73,
Barry N1EU

On Sat, Dec 8, 2012 at 12:36 PM, <pywacker@...> wrote:

> **
>
>
> Can someone confirm that you can still listen to AM RADIO (like 550 AM,
> 700 AM, 1530 AM etc)on this receiver like the original sub receiver in the
> Orion II??
>
> Just want to be sure it's not a Ham Bands only receiver. Hey! want
> performance but now and then would still like to listen to a local
> broadcast station.
>
> KE4WY Jim

8855. Re: [orion565] RX-366

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-08 22:51:04 UTC
From: K Van Horn
Topic: 8852 Message: 8855

Hi Jim,
I have RX366 sub receivers in both of my O2s. Ten Tec came up with a mod to the rx366 that allows you to receive am broadcast band and it works well! I believe that the modified RX366 works BETTER than the original sub receiver because it has a 10 db preamp in it that the original sub receiver did not. They just keep making the Orions better and better!! I have got my other rx366 at TT now having the mod put in it too. The RX366 with the mod in it for me is the ONLY way to go.....and on some frequencies, it is a better receiver than the main receiver in the O2!!!! Simply Amazing!!
73 es Gud DX,
Kirby, K7EC

From: Jim
Sent: Saturday, December 08, 2012 6:45 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] RX-366

Barry, tnxs much.

73 de KE4WY Jim

-----Original Message-----
From: mailto:orion565%40yahoogroups.com [mailto:mailto:orion565%40yahoogroups.com] On Behalf
Of Barry N1EU
Sent: Saturday, December 08, 2012 8:02 AM
To: mailto:orion565%40yahoogroups.com
Subject: Re: [orion565] RX-366

Yes, you can listen to AM BCB on the RX366

73,
Barry N1EU

On Sat, Dec 8, 2012 at 12:36 PM, <mailto:pywacker%40zoomtown.com> wrote:

> **
>
>
> Can someone confirm that you can still listen to AM RADIO (like 550 AM,
> 700 AM, 1530 AM etc)on this receiver like the original sub receiver in the
> Orion II??
>
> Just want to be sure it's not a Ham Bands only receiver. Hey! want
> performance but now and then would still like to listen to a local
> broadcast station.
>
> KE4WY Jim

[Non-text portions of this message have been removed]

8856. Orion II For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-10 16:49:41 UTC
From: z
Topic: 2599 Message: 8856

I am selling my Orion II. Everything is in great condition and is in a non-smoking environment.

The station includes:

Orion II (latest firmware)
Stock Filters
Tuner
RX-366 Installed (old 2nd RX also included)
Fan
Manual + spare connectors that come with the radio.
Ten Tec External Speaker
Ten Tec 708 Desk Mic
microHam USB Interface III + cables the Orion

Price: $2700

Contact: Dick KD4JP - dick221 at yahoo.com

8857. RX366 Sub Receiver

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-11 11:27:17 UTC
From: ki4ps
Topic: 8857 Message: 8857

What is this mod that TT has to receive MW better than the Eagle?

I own both the Eagle, and Orion II. The Eagle receives MW down to 1MHz, then the sensitivity
drops off.

Talked to Stan at TT yesterday and he said there is no mod on the RX366 for MW. It is the Eagle mother board, and MW reception will be the same on the RX366.

Jerry
ki4ps

8858. Re: [orion565] RX366 Sub Receiver

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-11 12:09:04 UTC
From: Barry N1EU
Topic: 8857 Message: 8858

I heard of a mod (don't know the details) that involved changing surface mount components on the RX366 board. It improves sensitivity for general coverage reception (down to 600Khz). I don't think it's an "official" Ten-Tec mod though.

73,
Barry N1EU

On Tue, Dec 11, 2012 at 11:27 AM, ki4ps <ki4ps@...> wrote:

> **
>
>
> What is this mod that TT has to receive MW better than the Eagle?
>
> I own both the Eagle, and Orion II. The Eagle receives MW down to 1MHz,
> then the sensitivity
> drops off.
>
> Talked to Stan at TT yesterday and he said there is no mod on the RX366
> for MW. It is the Eagle mother board, and MW reception will be the same on
> the RX366.
>
> Jerry
> ki4ps
>
>
>

[Non-text portions of this message have been removed]

8859. Re: [orion565] RX366 Sub Receiver

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-11 20:47:01 UTC
From: K Van Horn
Topic: 8857 Message: 8859

Hi Jerry,
There is a Ten Tec mod for the Eagle as well as the RX366. They allow the owner to listen to the AM Broadcast band down to 540 khz. Contact John Henry to get the details. I love the mod to the RX366...makes it hear better than the original sub rx on the am broadcast band because it has a 10 db preamp installed where the orig sub did not!!
73 es gud am broadcast listening,
Kirby, k7ec

From: Barry N1EU
Sent: Tuesday, December 11, 2012 5:09 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] RX366 Sub Receiver

I heard of a mod (don't know the details) that involved changing surface mount components on the RX366 board. It improves sensitivity for general coverage reception (down to 600Khz). I don't think it's an "official" Ten-Tec mod though.

73,
Barry N1EU

On Tue, Dec 11, 2012 at 11:27 AM, ki4ps <mailto:ki4ps%40yahoo.com> wrote:

> **
>
>
> What is this mod that TT has to receive MW better than the Eagle?
>
> I own both the Eagle, and Orion II. The Eagle receives MW down to 1MHz,
> then the sensitivity
> drops off.
>
> Talked to Stan at TT yesterday and he said there is no mod on the RX366
> for MW. It is the Eagle mother board, and MW reception will be the same on
> the RX366.
>
> Jerry
> ki4ps
>
>
>

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[Non-text portions of this message have been removed]

8860. Re: [orion565] RX366 Sub Receiver

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-11 23:21:31 UTC
From: Jerry Rogers
Topic: 8857 Message: 8860

Hi Kirby: Thanks for the info. Like I said, I did talk to Stan at TT. Maybe he's not aware of this mod.

Jerry
ki4ps

On Dec 11, 2012, at 3:47 PM, K Van Horn <k7ec@...> wrote:

> Hi Jerry,
> There is a Ten Tec mod for the Eagle as well as the RX366. They allow the owner to listen to the AM Broadcast band down to 540 khz. Contact John Henry to get the details. I love the mod to the RX366...makes it hear better than the original sub rx on the am broadcast band because it has a 10 db preamp installed where the orig sub did not!!
> 73 es gud am broadcast listening,
> Kirby, k7ec
>
> From: Barry N1EU
> Sent: Tuesday, December 11, 2012 5:09 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] RX366 Sub Receiver
>
> I heard of a mod (don't know the details) that involved changing surface
> mount components on the RX366 board. It improves sensitivity for general
> coverage reception (down to 600Khz). I don't think it's an "official"
> Ten-Tec mod though.
>
> 73,
> Barry N1EU
>
> On Tue, Dec 11, 2012 at 11:27 AM, ki4ps <mailto:ki4ps%40yahoo.com> wrote:
>
> > **
> > >
> > >
> > > What is this mod that TT has to receive MW better than the Eagle?
> > >
> > > I own both the Eagle, and Orion II. The Eagle receives MW down to 1MHz,
> > > then the sensitivity
> > > drops off.
> > >
> > > Talked to Stan at TT yesterday and he said there is no mod on the RX366
> > > for MW. It is the Eagle mother board, and MW reception will be the same on
> > > the RX366.
> > >
> > > Jerry
> > > ki4ps

> >
> >
> >
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8861. Filters for RX-366 and LP-Pan

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-12 13:33:41 UTC
From: nr0t_mn
Topic: 8861 Message: 8861

Two questions about the RX-366 which I put on my Orion 1.

FILTERS: If this is the Eagle receiver board, I assume that if I want to get filters from InRad that I need to look up filters which are compatible with the Eagle? Last I checked they didn't have an RX366 compatibility index.

PANADAPTER: I got the 9MHz IF Cable from TT to connect to the spare jack on the back of the Orion. Has anyone successfully used LP-Pan or other Panadapter with the RX-366? If so, what needs to be done>

tnx es 73 de Rolf NR0T

8862. Re: RX366 Sub Receiver

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-12 13:47:16 UTC
From: John
Topic: 8857 Message: 8862

Hi Jerry,

We have performed the mod for a couple of units, and were waiting for a bit of time to pass before we announce it to the public. It opens up the general coverage path to cover down to around 600khz. Which then covers what some were wanting. But it does "open the barn door", meaning it could have other ill effects if you live in an area like Chicago or Boston that have monster AM stations. So we were playing this one by ear to see how well it works, and then possibly slowly send it out to others.

It is a change to the preselector board, for both the Eagle and the RX366.
It involves changing the value of two SMT caps, removing 1 SMT cap and removing two inductors, "opening the door".

We do have to be careful doing mods like this because what happens when the units are in someone elses hands 20 years from now and the complaint is due to the mod and we get them in for repair? Anyway, that is our concern, not yours, but it makes working on rigs fun sometimes. We get rigs in that have 10 or so mods to them not fully understanding each and everyone, and still have to make it work. The fun.

Thanks, and 73,
John Henry, KI4JPL
TenTec Engineering

--- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@...> wrote:
>
> Hi Kirby: Thanks for the info. Like I said, I did talk to Stan at TT. Maybe he's not aware of this mod.
>
> Jerry
> ki4ps
>
> On Dec 11, 2012, at 3:47 PM, K Van Horn <k7ec@...> wrote:
>
> > Hi Jerry,
> > There is a Ten Tec mod for the Eagle as well as the RX366. They allow the owner to listen to the AM Broadcast band down to 540 khz. Contact John Henry to get the details. I love the mod to the RX366...makes it hear better than the original sub rx on the am broadcast band because it has a 10 db preamp installed where the orig sub did not!!
> > 73 es gud am broadcast listening,
> > Kirby, k7ec
> >
> > From: Barry N1EU
> > Sent: Tuesday, December 11, 2012 5:09 AM
> > To: orion565@...m
> > Subject: Re: [orion565] RX366 Sub Receiver
> >

> > I heard of a mod (don't know the details) that involved changing surface
> > mount components on the RX366 board. It improves sensitivity for general
> > coverage reception (down to 600Khz). I don't think it's an "official"
> > Ten-Tec mod though.
> >
> > 73,
> > Barry N1EU
> >
> > On Tue, Dec 11, 2012 at 11:27 AM, ki4ps <mailto:ki4ps%40yahoo.com> wrote:
> >
> > > **
> > >
> > >
> > > What is this mod that TT has to receive MW better than the Eagle?
> > >
> > > I own both the Eagle, and Orion II. The Eagle receives MW down to 1MHz,
> > > then the sensitivity
> > > drops off.
> > >
> > > Talked to Stan at TT yesterday and he said there is no mod on the RX366
> > > for MW. It is the Eagle mother board, and MW reception will be the same on
> > > the RX366.
> > >
> > > Jerry
> > > ki4ps
> > >
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8863. Re: [orion565] RX366 Sub Receiver

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-12 21:27:46 UTC
From: Jerry Rogers
Topic: 8857 Message: 8863

Thanks John for the info. Just like my Orion II, I want my Eagle to be the best on HF. I have a Palstar R30A for other type listening.

I do live a half mile from a 50KW AM station, and again do not need my radio's caving in.

Jerry, ki4ps

On Dec 12, 2012, at 8:47 AM, John <jhenry@...> wrote:

> Hi Jerry,
>
> We have performed the mod for a couple of units, and were waiting for a bit of time to pass before we announce it to the public. It opens up the general coverage path to cover down to around 600khz. Which then covers what some were wanting. But it does "open the barn door", meaning it could have other ill effects if you live in an area like Chicago or Boston that have monster AM stations. So we were playing this one by ear to see how well it works, and then possibly slowly send it out to others.
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> It involves changing the value of two SMT caps, removing 1 SMT cap and removing two inductors, "opening the door".
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> We do have to be careful doing mods like this because what happens when the units are in someone elses hands 20 years from now and the complaint is due to the mod and we get them in for repair? Anyway, that is our concern, not yours, but it makes working on rigs fun sometimes. We get rigs in that have 10 or so mods to them not fully understanding each and everyone, and still have to make it work. The fun.
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8864. 565 average pwr on ssb

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-14 17:38:49 UTC
From: wa6iaf
Topic: 8864 Message: 8864

Hello all,
I've had this Orion 565, firmware version 2.062a for a year now and it's my Dream Machine on CW. What a great rig!

I also operate about 30-40% on SSB and am quite disappointed with the average power out. Normal speech is only somewhere between 5 and 10% of the 100 watt peak that shows on my Bird 43p. No processing used. Mic plugged directly into front panel connector, no extra audio processing gear external to the rig. It has a hard wall, sort of, on 4 different mic's tried. The Tx audio distorts with a click like sound or a pop on voice peaks way before I can get the average power up to a reasonable level. Does not matter how the ratio is set between the 3 audio gains, those being the HW setting inside SSB menu, the pot under front panel, and/or mic gain on front panel. Or the Tx EQ, Tx bandwidth, lf roll-off etc.

It's not RF feedback, does this with great RF ground.
Does it with perfect cables into Bird 50 ohm dummy load and no extra cables going into or out of rig. Just the power supply cord on which I have ferrite over each of the two wires just in case. And the mic is plugged in of course, to front panel.

Tx audio is beautiful until it hits that "wall" Then sounds like garbage with a sharp crash/crunching distortion on the peaks.
Mic's tried:
Shure 444 (low impedance)
MC-60 (low impedance)
EV 676 (wired to low imp.)
Brehringer Ultravoice XM8500
All these mics with proper impedance match work really well with my voice timber on my Drake TR7, Kenwood TS-940s/at, TT Corsair and S line. I see an average power out of around 45% of peak when on SSB with those other rigs.

It appears to me that as soon as the ALC light flashes on the Orion the distortion hits. Sounds beautiful running around 5-7 watts average power out.
It is NOT a matter of meter movement inertia as there is not nearly enough power to drive the AL-80B on SSB. I also have two other peak reading watt meters which measure very close to the Bird on avg and peak power.

The distortion is heard using cans on the Orion monitor,
it's heard on other Rx with no antenna on them,
see it on RF envelope on scope.

Never have been able to use the processor with this firmware version.
It distorts even at setting of 1 and audio level/ALC is way down.
Can not find a mic gain/SP gain setting to clean it up.
I've seen comments on the group that's a common issue with the firmware version of 2.062a?
Not an problem for me, unless by going to the newest firmware would correct the average power out trouble.
Should I try doing that before anything else?

Bad finals or drivers perhaps?
I had a TS-430 once with bad drive transistors that worked fine on CW but with SSB no matter how much or little power out it was really distorted. So it exhibited somewhat different symptoms than the Orion.

TT made an exceptional rig, not counting this problem. I've never had a software enhanced rig before (if that's the right term). I've also never had to have anyone's hands but my own inside a rig to repair it in 45 years of hamming. Sending it away to have TT repair feels distasteful/wrong.

Any comments or thoughts are appreciated,
73
Paul
WA6IAF

8865. Re: 565 average pwr on ssb

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-15 08:01:30 UTC
From: pa1ap
Topic: 8864 Message: 8865

Looks to me you have followed logica steps to eliminate possible influences. Perhaps to exclude the rf feedback variable completely from the table you could use a dummy load to test for distortion.

I also know (my own failing experience) that some microphones are to flat in response and hence mic picks up the low frequencies which trigger alc way before you have reaches you optimal level. You could test this by an auio generator (pc based?) and pick up this sound with the mic. Set a audio frequency, change the level until alc triggers, move to next frequency and see if alc still triggers. Additional test could be to use the tx equalizer to attenuate the low frequencies.

In my previous experience using a studio microphone (heil) I had two issues: my voice audio presence included some low frequency which triggered alc. This resulted in a very low output for the total audio frequency. Second issue was that the mic output level was not high enough and actually needed external amplification to work well with the 565. The tx audio equalizer should help making the alc a bit more selective but I am not sure this action takes place prior alc...

On the mic settings; whats the mic gain value?

And yes, I would encourage you to upgrade to the latest firmware. It is a good quality firmware and very stable in operations. Simply upgrade, play with it and test the output. If no improvement found we need to investigate other potential issues.

Best regards, Onno

--- In orion565@yahoogroups.com, "wa6iaf" <wa6iaf@...> wrote:
>
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> Any comments or thoughts are appreciated,
> 73
> Paul
> WA6IAF
>

8866. Re: 565 average pwr on ssb

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-16 00:49:12 UTC
From: wa6iaf
Topic: 8864 Message: 8866

Thank you Mike and Onno,
I know it was a long-ish post so I did put a bit of thought in wording and laying it out, to be clear and cover the specifics as best I could.

One of the tests with the Orion was done with only a 50 ohm dummy load, power cord and assorted mics plugged into rig...ground attached then ground removed with each mic.
To perhaps see if RF getting in was the trouble.

I've now upgraded to version 3.032 Apr 7 2012 DSP 2.08b87.

No hitches doing so once I threw together a computer from the junque pile for win XP that is. I run Debian Linux on the ham shack main computer and couldn't figure out how to access the Keyspan HS19 USB to RS-232 cable with the software provided from TT.
That HS19 works fine business for FLdigi, rig cat and all else so far under Debian (testing repo) and with Arch Linux in another box too.

So as yet I have not had much time with the rig to see if upgrading the firmware has had the desired effect.

I'll get in some on-the-air hours, play with things and see.
Then will post to the group in a couple days, let you folks who are interested know how the average power out on SSB and ALC action is working currently. And maybe ask for more ideas if needed.

Thanks and 73
Paul
WA6IAF

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
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> > Never have been able to use the processor with this firmware version.
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> > Any comments or thoughts are appreciated,
> > 73
> > Paul
> > WA6IAF
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8867. Re: [orion565] Re: 565 average pwr on ssb

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-16 01:33:36 UTC
From: tnnyswy@yahoo.com
Topic: 8864 Message: 8867

>>> Then will post to the group in a couple days, let you folks who are interested know how the average power out on SSB and ALC action is working currently <<<

Just out of curiosity, what sort of "Average"power wattage reading were you expecting from the radio?

(((73))) Milverton.

>_____
> From: wa6iaf <wa6iaf@...>
>To: orion565@yahoogroups.com
>Sent: Saturday, December 15, 2012 6:49 PM
>Subject: [orion565] Re: 565 average pwr on ssb
>
>
>
>Thank you Mike and Onno,
>I know it was a long-ish post so I did put a bit of thought in wording and laying it out, to be clear and cover the specifics as best I could.
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[Non-text portions of this message have been removed]

8869. Problem with subreceiver

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-17 21:10:05 UTC
From: Jose V. Gavila
Topic: 8869 Message: 8869

Hi all,

I am working on a Orion-I with a pretty deaf subreceiver. When I say deaf, I mean deaf ;-). In order to get an S-1, you need to inject close to 1 Volt on the antenna port.

I have tried to substitute all local oscillator signals with ones generated externally, but that makes no difference.

I see that the FL2 450kHz ceramic filter has DC applied to its input, which is not a good idea, as I have seen tons of ceramic filter failing on other rigs with a similar layout. But I doubt in this case the culprit is the filter, as injecting signal both before and after the filter produces a similar output.

Does somebody know which is the usual range level of signals on the 14kHz IF?. With 0.25mV at the antenna input I get about 70mVpp at the 14kHz output, which seems low.

I have read some old messages regarding a problem with the subreceiver PLL. Is that a common problem?

Please, any hint will be welcomed.

Regards,

JOSE

--
73 EB5AGV - JOSE V. GAVILA - IM99sm La Canyada - Valencia(SPAIN)
http://agvradio.com AGVradio
http://jvgavila.com Personal WEB

8870. Re: Problem with subreceiver

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-18 12:50:19 UTC
From: pa1ap
Topic: 8869 Message: 8870

I have no experience troubleshooting the sub receiver but first thought would be to inject signal directly at the rf stage (not the connector at the back) and move step by step closer to the last IF stage. Each stage would require a different frequency and level but it might help to isolate the faulty stage.

The other issue could be the firmware you are running.... If this is the new V3 firmware please make sure your have selected the original sub receiver instead of the new high end sub receiver. If the latter is selected the original sub receiver does not work. Just making sure....

Bets regards, Onno

--- In orion565@yahoogroups.com, "Jose V. Gavila" wrote:

Hi all,

I am working on a Orion-I with a pretty deaf subreceiver. When I say deaf, I mean deaf ;-). In order to get an S-1, you need to inject close to 1 Volt on the antenna port.

I have tried to substitute all local oscillator signals with ones generated externally, but that makes no difference.

I see that the FL2 450kHz ceramic filter has DC applied to its input, which is not a good idea, as I have seen tons of ceramic filter failing on other rigs with a similar layout. But I doubt in this case the culprit is the filter, as injecting signal both before and after the filter produces a similar output.

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JOSE

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http://agvradio.com AGVradio
http://jvgavila.com Personal WEB

8871. Blue display screen

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-19 03:16:34 UTC
From: hummerham
Topic: 8871 Message: 8871

Does anyone know if Ten Tec still offers the blue display replacement for the Orion...? I'm interested in getting one. Also does anyone know the aprox. cost of the blue display..? Thanks in advance.

73,
Butch...K3AFR

8872. Blue display screen

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-19 03:16:47 UTC
From: hummerham
Topic: 8871 Message: 8872

Does anyone know if Ten Tec still offers the blue display replacement for the Orion...? I'm interested in getting one. Also does anyone know the aprox. cost of the blue display..? Thanks in advance.

73,
Butch...K3AFR

8873. Re: [orion565] Blue display screen

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-19 16:39:19 UTC
From: mcelmer1@netecin.net
Topic: 8871 Message: 8873

> Does anyone know if Ten Tec still offers the blue display replacement for
> the Orion...? I'm interested in getting one. Also does anyone know the
> aprox. cost of the blue display..? Thanks in advance.
>
> 73,
> Butch...K3AFR
>
>
>
In 2010 I paid $154 for the screen but do nave the labor charge. However,
the job looks about an minimum one hour.

Mike
W8TRN

8874. Re: [orion565] Re: Problem with subreceiver

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-19 21:27:17 UTC
From: Jose V. Gavila
Topic: 8869 Message: 8874

Hello Onno,

> I have no experience troubleshooting the sub receiver but first
> thought would be to inject signal directly at the rf stage (not the
> connector at the back) and move step by step closer to the last IF
> stage. Each stage would require a different frequency and level but
> it might help to isolate the faulty stage.

Yes, I have already done that. It seems the first IF (at 45MHz) is deaf.
The other ones are reasonably alive.

> The other issue could be the firmware you are running.... If this is
> the new V3 firmware please make sure your have selected the original
> sub receiver instead of the new high end sub receiver. If the latter
> is selected the original sub receiver does not work. Just making
> sure....

Yes, it is running V3, but it is correctly setup.

I think the culprit is the PLL section.

Thanks to a list member, I will soon get a replacemente subreceiver
board. I will try anyway to fix the other one or, at least, close the
circle on the bad area.

Regards,

JOSE

--
73 EB5AGV - JOSE V. GAVILA - IM99sm La Canyada - Valencia(SPAIN)
http://agvradio.com AGVradio
http://jvgavila.com Personal WEB

8875. Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-20 21:52:50 UTC
From: John
Topic: 8875 Message: 8875

Just posted an update on the TenTec web page for the Orion II Model 566.

Version 3.033xa December 20, 2012
Added S-Meter Calibration
The procedure is downloaded with the 3.033xa update,
There is a start-menu link.
e.g. in Windows, click on Start, All-Programs, Ten-Tec,
OrionII Firmware Update, then look for the file
S-Meter 565 566 Calibration Procedure
Corrected Sweep alignment in LSB
Corrected SAF/Notch setting after power up.

The procedure is not necessary, but allows those that want the S-Meter readout to be as exact as they can get it, they can adjust it. It is actually adjusting the voltage level to the meter, e.g. when the software detects an S-9, it will look up the value in this table and use it to drive the meter. It does not adjust what is read by the software, an S9 is still an S9 in the software.

Thanks, and 73,
John Henry, KI4JPL
TenTec Engineering

8876. RE: [orion565] Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-21 00:36:38 UTC
From: George
Topic: 8875 Message: 8876

I went to the TT WEB page and could not find anything referring to
"download" for the 566?

Where is it?

Thanks.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
Of John
Sent: Thursday, December 20, 2012 4:53 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion II Model 566 Version 3.033xa posted

Just posted an update on the TenTec web page for the Orion II Model 566.

Version 3.033xa December 20, 2012
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actually adjusting the voltage level to the meter, e.g. when the software
detects an S-9, it will look up the value in this table and use it to drive
the meter. It does not adjust what is read by the software, an S9 is still
an S9 in the software.

Thanks, and 73,
John Henry, KI4JPL
TenTec Engineering

[Non-text portions of this message have been removed]

8880. RE: [orion565] Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-21 00:55:20 UTC
From: Jim
Topic: 8875 Message: 8880

George it is under downloads along with the "S" meter cal procedure.

The update went fine. Something I noticed after the update is the "S" meter
Appears to be in fast AGC whether the AGC is set to Slow, Medium or Fast.

KE4WY Jim

Sent from my Verizon Wireless 4G LTE DROID

George <goofyham@...> wrote:

>I went to the TT WEB page and could not find anything referring to
>"download" for the 566?
>
>Where is it?
>
>Thanks.
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>
>George W2YJ
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>
>From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
>Of John
>Sent: Thursday, December 20, 2012 4:53 PM
>To: orion565@yahoogroups.com
>Subject: [orion565] Orion II Model 566 Version 3.033xa posted
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>the meter. It does not adjust what is read by the software, an S9 is still
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>Thanks, and 73,
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>TenTec Engineering
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8881. Re: [orion565] Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-21 11:19:08 UTC
From: Jerry Rogers
Topic: 8875 Message: 8881

Does this S-meter adjustment mean you have to insert a calibrated signal, and then adjust your menu settings?

Jerry, ki4ps

On Dec 20, 2012, at 7:55 PM, Jim <pywacker@...> wrote:

> George it is under downloads along with the "S" meter cal procedure.
>
> The update went fine. Something I noticed after the update is the "S" meter
> Appears to be in fast AGC whether the AGC is set to Slow, Medium or Fast.
>
> KE4WY Jim
>
> Sent from my Verizon Wireless 4G LTE DROID
>
> George <goofyham@...> wrote:
>
> >I went to the TT WEB page and could not find anything referring to
> >"download" for the 566?
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> >Where is it?
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> >Thanks.
> >
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> >
> >George W2YJ
> >
> >
> >
> >From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> >Of John
> >Sent: Thursday, December 20, 2012 4:53 PM
> >To: orion565@yahoogroups.com
> >Subject: [orion565] Orion II Model 566 Version 3.033xa posted
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> >
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> >actually adjusting the voltage level to the meter, e.g. when the software
> >detects an S-9, it will look up the value in this table and use it to drive
> >the meter. It does not adjust what is read by the software, an S9 is still
> >an S9 in the software.
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> >Thanks, and 73,
> >John Henry, KI4JPL
> >TenTec Engineering
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8882. RE: [orion565] Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-21 11:44:14 UTC
From: Jim
Topic: 8875 Message: 8882

Jerry, no, when you go to S1 in the menu use the multi knob to adjust the menu number for S1 to equal S1 on your mechanical S-METER, go to S-2 in the menu and adjust with the multi knob S-2 to equal S-2 on your mechanical S meter and so on until you are finished setting each level.

Note per instructions S-9+60 stays at 0.

I did put a calibrated signal in for S-9 and the Mechanical S METER ON THE RADIO reads S-9. So the Cal process appears to work. I checked it on 20, 40 and 80 and got S-9 on the cal signal.

KE4WY Jim

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Jerry Rogers
Sent: Friday, December 21, 2012 6:19 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted

Does this S-meter adjustment mean you have to insert a calibrated signal, and then adjust your menu settings?

Jerry, ki4ps

On Dec 20, 2012, at 7:55 PM, Jim <pywacker@...> wrote:

> George it is under downloads along with the "S" meter cal procedure.
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> The update went fine. Something I noticed after the update is the "S" meter
> Appears to be in fast AGC whether the AGC is set to Slow, Medium or Fast.
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> KE4WY Jim
>
> Sent from my Verizon Wireless 4G LTE DROID
>
> George <goofyham@...> wrote:
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> >George W2YJ
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Behalf
> >Of John
> >Sent: Thursday, December 20, 2012 4:53 PM
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> >Thanks, and 73,
> >John Henry, KI4JPL
> >TenTec Engineering
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Yahoo! Groups Links

8883. Re: [orion565] Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-21 11:46:28 UTC
From: Jerry Rogers
Topic: 8875 Message: 8883

Thanks Jim: That's the way I read the instructions, but just wanted to check.

Again, thanks

Jerry, ki4ps

On Dec 21, 2012, at 6:44 AM, "Jim" <pywacker@...> wrote:

> Jerry, no, when you go to S1 in the menu use the multi knob to adjust the
> menu number for S1 to equal S1 on your mechanical S-METER, go to S-2 in the
> menu and adjust with the multi knob S-2 to equal S-2 on your mechanical S
> meter and so on until you are finished setting each level.
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> Note per instructions S-9+60 stays at 0.
>
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> RADIO reads S-9. So the Cal process appears to work. I checked it on 20, 40
> and 80 and got S-9 on the cal signal.
>
> KE4WY Jim
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> _____
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> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Jerry Rogers
> Sent: Friday, December 21, 2012 6:19 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
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> Does this S-meter adjustment mean you have to insert a calibrated signal,
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>
> Jerry, ki4ps
>
> On Dec 20, 2012, at 7:55 PM, Jim <pywacker@...> wrote:
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> > George it is under downloads along with the "S" meter cal procedure.
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> > The update went fine. Something I noticed after the update is the "S"
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> > KE4WY Jim
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> > Sent from my Verizon Wireless 4G LTE DROID

> >
> > George <goofyham@...> wrote:
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> > >George W2YJ
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> > >From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf
> > >Of John
> > >Sent: Thursday, December 20, 2012 4:53 PM
> > >To: orion565@yahoogroups.com
> > >Subject: [orion565] Orion II Model 566 Version 3.033xa posted
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> > >TenTec Engineering
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8884. RE: [orion565] Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-21 13:23:30 UTC
From: George
Topic: 8875 Message: 8884

I did the upgrade and calibration and now the S-Meter seems to follow fast AGC? What happened to slow operating S-Meter?

George W2YJ

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Jerry Rogers
Sent: Friday, December 21, 2012 6:46 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted

Thanks Jim: That's the way I read the instructions, but just wanted to check.

Again, thanks

Jerry, ki4ps

On Dec 21, 2012, at 6:44 AM, "Jim" <pywacker@...> wrote:

> Jerry, no, when you go to S1 in the menu use the multi knob to adjust
> the menu number for S1 to equal S1 on your mechanical S-METER, go to
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> I did put a calibrated signal in for S-9 and the Mechanical S METER ON
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> KE4WY Jim
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> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf Of Jerry Rogers
> Sent: Friday, December 21, 2012 6:19 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
>
> Does this S-meter adjustment mean you have to insert a calibrated
> signal, and then adjust your menu settings?
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> > KE4WY Jim
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> > Sent from my Verizon Wireless 4G LTE DROID
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> > George <goofyham@...> wrote:
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> > >Where is it?
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> > >From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf
> > >Of John
> > >Sent: Thursday, December 20, 2012 4:53 PM
> > >To: orion565@yahoogroups.com
> > >Subject: [orion565] Orion II Model 566 Version 3.033xa posted
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> > >Just posted an update on the TenTec web page for the Orion II Model
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> > >Version 3.033xa December 20, 2012
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> > >e.g. in Windows, click on Start, All-Programs, Ten-Tec, OrionII
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Yahoo! Groups Links

8885. RE: [orion565] Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-21 13:41:01 UTC
From: Jim
Topic: 8875 Message: 8885

George, same here.

KE4WY Jim

Sent from my Verizon Wireless 4G LTE DROID

George <goofyham@...> wrote:

>I did the upgrade and calibration and now the S-Meter seems to follow fast
>AGC? What happened to slow operating S-Meter?
>
>George W2YJ
>
>
>-----Original Message-----
>From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
>Of Jerry Rogers
>Sent: Friday, December 21, 2012 6:46 AM
>To: orion565@yahoogroups.com
>Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
>
>Thanks Jim: That's the way I read the instructions, but just wanted to
>check.
>
>Again, thanks
>
>Jerry, ki4ps
>
>
>On Dec 21, 2012, at 6:44 AM, "Jim" <pywacker@...> wrote:
>
>> Jerry, no, when you go to S1 in the menu use the multi knob to adjust
>> the menu number for S1 to equal S1 on your mechanical S-METER, go to
>> S-2 in the menu and adjust with the multi knob S-2 to equal S-2 on
>> your mechanical S meter and so on until you are finished setting each
>level.
>>
>> Note per instructions S-9+60 stays at 0.
>>
>> I did put a calibrated signal in for S-9 and the Mechanical S METER ON
>> THE RADIO reads S-9. So the Cal process appears to work. I checked it
>> on 20, 40 and 80 and got S-9 on the cal signal.
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>> KE4WY Jim
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>> -----Original Message-----
>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
>> Behalf Of Jerry Rogers
>> Sent: Friday, December 21, 2012 6:19 AM
>> To: orion565@yahoogroups.com
>> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
>>
>> Does this S-meter adjustment mean you have to insert a calibrated
>> signal, and then adjust your menu settings?
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>> Jerry, ki4ps
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>> On Dec 20, 2012, at 7:55 PM, Jim <pywacker@...> wrote:
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>> > George it is under downloads along with the "S" meter cal procedure.
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>> > The update went fine. Something I noticed after the update is the "S"
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>> > >I went to the TT WEB page and could not find anything referring to
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>> > >George W2YJ
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>> > >
>> > >From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
>> Behalf
>> > >Of John
>> > >Sent: Thursday, December 20, 2012 4:53 PM
>> > >To: orion565@yahoogroups.com
>> > >Subject: [orion565] Orion II Model 566 Version 3.033xa posted
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>> > >
>> > >

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>> > >
>> > >Just posted an update on the TenTec web page for the Orion II Model
>566.
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>> > >Version 3.033xa December 20, 2012
>> > >Added S-Meter Calibration
>> > >The procedure is downloaded with the 3.033xa update, There is a
>> > >start-menu link.
>> > >e.g. in Windows, click on Start, All-Programs, Ten-Tec, OrionII
>> > >Firmware Update, then look for the file S-Meter 565 566 Calibration
>> > >Procedure Corrected Sweep alignment in LSB Corrected SAF/Notch
>> > >setting after power up.
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>> > >S-Meter readout to be as exact as they can get it, they can adjust
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>> > >when the software detects an S-9, it will look up the value in this
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>> > >Thanks, and 73,
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>> > >[Non-text portions of this message have been removed]
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>> > >Yahoo! Groups Links
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8886. Re: [orion565] Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-21 14:33:07 UTC
From: Jerry Rogers
Topic: 8875 Message: 8886

Can you still go into the menu and adjust the AGC delays, etc.????

Maybe I will hold off until this issue is resolved.

Jerry, ki4ps

On Dec 21, 2012, at 8:41 AM, Jim <pywacker@...> wrote:

> George, same here.
>
> KE4WY Jim
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> Sent from my Verizon Wireless 4G LTE DROID
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> George <goofyham@...> wrote:
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> >I did the upgrade and calibration and now the S-Meter seems to follow fast
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> >Of Jerry Rogers
> >Sent: Friday, December 21, 2012 6:46 AM
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> >> Note per instructions S-9+60 stays at 0.

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> >> I did put a calibrated signal in for S-9 and the Mechanical S METER ON
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> >> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
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> >> To: orion565@yahoogroups.com
> >> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
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> >> > >To: orion565@yahoogroups.com
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8887. RE: [orion565] Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-21 14:57:09 UTC
From: Duane Calvin
Topic: 8875 Message: 8887

That is probably not the intended action, but if it follows the signal instead of your receiver's AGC action, maybe that's not a bad thing? I suppose that would be unsettling for all of us who are used to the S-meter following what our ears are hearing in the AGC.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of George
Sent: Friday, December 21, 2012 7:24 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Orion II Model 566 Version 3.033xa posted

I did the upgrade and calibration and now the S-Meter seems to follow fast AGC? What happened to slow operating S-Meter?

George W2YJ

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From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Jerry Rogers
Sent: Friday, December 21, 2012 6:46 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted

Thanks Jim: That's the way I read the instructions, but just wanted to check.

Again, thanks

Jerry, ki4ps

On Dec 21, 2012, at 6:44 AM, "Jim" <pywacker@...> wrote:

> Jerry, no, when you go to S1 in the menu use the multi knob to adjust
> the menu number for S1 to equal S1 on your mechanical S-METER, go to
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> Note per instructions S-9+60 stays at 0.
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> I did put a calibrated signal in for S-9 and the Mechanical S METER ON

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> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
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Yahoo! Groups Links

Yahoo! Groups Links

8888. New S-Meter calibration not follow AGC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-21 15:01:56 UTC
From: George
Topic: 8888 Message: 8888

Duane;

I suspect after TT hears of the concerns they will revert the S-Meter back to AGC operation along with the calibrate firmware.

By the way, my O2 now indicates a S9 for 50uv input from my generator where before it indicated S6.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Duane Calvin
Sent: Friday, December 21, 2012 9:57 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Orion II Model 566 Version 3.033xa posted

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Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

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Of George
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To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted

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Yahoo! Groups Links

Yahoo! Groups Links

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8889. Re: [orion565] New S-Meter calibration not follow AGC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-21 15:22:23 UTC
From: Jim
Topic: 8888 Message: 8889

Actually last week Paul Clinton gave me the info on
adjusting the S meter to S9 =50uv
and it worked.

Ke4wy Jim

Sent from my Verizon Wireless 4G LTE DROID

George <goofyham@...> wrote:

>Duane;
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>I suspect after TT hears of the concerns they will revert the S-Meter back
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>Duane Calvin, AC5AA
>Austin, Texas
>www.ac5aa.com
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>-----Original Message-----

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>Of George
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>To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>Subject: RE: [orion565] Orion II Model 566 Version 3.033xa posted
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>AGC? What happened to slow operating S-Meter?
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>George W2YJ
>
>-----Original Message-----
>From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
>Behalf
>Of Jerry Rogers
>Sent: Friday, December 21, 2012 6:46 AM
>To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
>
>Thanks Jim: That's the way I read the instructions, but just wanted to
>check.
>
>Again, thanks
>
>Jerry, ki4ps
>
>On Dec 21, 2012, at 6:44 AM, "Jim" <pywacker@...
><mailto:pywacker%40zoomtown.com> > wrote:
>
>> Jerry, no, when you go to S1 in the menu use the multi knob to adjust
>> the menu number for S1 to equal S1 on your mechanical S-METER, go to
>> S-2 in the menu and adjust with the multi knob S-2 to equal S-2 on
>> your mechanical S meter and so on until you are finished setting each
>level.
>>
>> Note per instructions S-9+60 stays at 0.
>>
>> I did put a calibrated signal in for S-9 and the Mechanical S METER ON
>> THE RADIO reads S-9. So the Cal process appears to work. I checked it
>> on 20, 40 and 80 and got S-9 on the cal signal.
>>
>> KE4WY Jim
>>
>> _____
>>
>> -----Original Message-----
>> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>

>[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
>> Behalf Of Jerry Rogers
>> Sent: Friday, December 21, 2012 6:19 AM
>> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
>>
>> Does this S-meter adjustment mean you have to insert a calibrated
>> signal, and then adjust your menu settings?
>>
>> Jerry, ki4ps
>>
>> On Dec 20, 2012, at 7:55 PM, Jim <pywacker@...
><mailto:pywacker%40zoomtown.com> > wrote:
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>> > George it is under downloads along with the "S" meter cal procedure.
>> >
>> > The update went fine. Something I noticed after the update is the "S"
>> meter
>> > Appears to be in fast AGC whether the AGC is set to Slow, Medium or
>Fast.
>> >
>> > KE4WY Jim
>> >
>> > Sent from my Verizon Wireless 4G LTE DROID
>> >
>> > George <goofyham@... <mailto:goofyham%40rochester.rr.com> >
>wrote:
>> >
>> > >I went to the TT WEB page and could not find anything referring to
>> > >"download" for the 566?
>> > >
>> > >Where is it?
>> > >
>> > >Thanks.
>> > >
>> > >
>> > >
>> > >George W2YJ
>> > >
>> > >
>> > >
>> > >From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
>> Behalf
>> > >Of John
>> > >Sent: Thursday, December 20, 2012 4:53 PM
>> > >To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>> > >Subject: [orion565] Orion II Model 566 Version 3.033xa posted
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>> > >

>> > >
>> > >
>> > >
>> > >Just posted an update on the TenTec web page for the Orion II Model
>566.
>> > >
>> > >Version 3.033xa December 20, 2012
>> > >Added S-Meter Calibration
>> > >The procedure is downloaded with the 3.033xa update, There is a
>> > >start-menu link.
>> > >e.g. in Windows, click on Start, All-Programs, Ten-Tec, OrionII
>> > >Firmware Update, then look for the file S-Meter 565 566 Calibration
>> > >Procedure Corrected Sweep alignment in LSB Corrected SAF/Notch
>> > >setting after power up.
>> > >
>> > >The procedure is not necessary, but allows those that want the
>> > >S-Meter readout to be as exact as they can get it, they can adjust
>> > >it. It is actually adjusting the voltage level to the meter, e.g.
>> > >when the software detects an S-9, it will look up the value in this
>> > >table and use it to
>> drive
>> > >the meter. It does not adjust what is read by the software, an S9
>> > >is
>> still
>> > >an S9 in the software.
>> > >
>> > >Thanks, and 73,
>> > >John Henry, KI4JPL
>> > >TenTec Engineering
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8890. Re: [orion565] New S-Meter calibration not follow AGC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-21 15:25:38 UTC
From: Dick W4WU
Topic: 8888 Message: 8890

I'd like to have that info, too.
Thanks
Dick W4WU

8891. RE: [orion565] New S-Meter calibration not follow AGC

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-21 16:19:12 UTC
From: Jim
Topic: 8888 Message: 8891

Dick, I just sent it to you.

Jim

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Dick W4WU
Sent: Friday, December 21, 2012 10:26 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] New S-Meter calibration not follow AGC

I'd like to have that info, too.
Thanks
Dick W4WU

Yahoo! Groups Links

8892. Re: [orion565] Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-21 17:10:52 UTC
From: wolfmanjack@charter.net
Topic: 8875 Message: 8892

I'm definitely holding off...

73 John K7FD

On Fri, Dec 21, 2012 at 6:33 AM, Jerry Rogers wrote:

> Can you still go into the menu and adjust the AGC delays, etc.????
>
> Maybe I will hold off until this issue is resolved.
>
> Jerry, ki4ps
>
>
> On Dec 21, 2012, at 8:41 AM, Jim <pywacker@...> wrote:
>
>> George, same here.
>> KE4WY Jim
>>
>> Sent from my Verizon Wireless 4G LTE DROID
>>
>> George <goofyham@...> wrote:
>>
>>> I did the upgrade and calibration and now the S-Meter seems to
>>> follow fast
>>> AGC? What happened to slow operating S-Meter?
>>>
>>> George W2YJ
>>>
>>>
>>> -----Original Message-----
>>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
>>> Behalf
>>> Of Jerry Rogers
>>> Sent: Friday, December 21, 2012 6:46 AM
>>> To: orion565@yahoogroups.com
>>> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
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>>> Thanks Jim: That's the way I read the instructions, but just wanted
>>> to
>>> check.
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>>> Again, thanks
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>>> On Dec 21, 2012, at 6:44 AM, "Jim" <pywacker@...> wrote:
>>>
>>>> Jerry, no, when you go to S1 in the menu use the multi knob to
>>>> adjust the menu number for S1 to equal S1 on your mechanical
>>>> S-METER, go to S-2 in the menu and adjust with the multi knob S-2
>>>> to equal S-2 on your mechanical S meter and so on until you are
>>>> finished setting each
>>> level.
>>>>
>>>> Note per instructions S-9+60 stays at 0.
>>>>
>>>> I did put a calibrated signal in for S-9 and the Mechanical S METER
>>>> ON THE RADIO reads S-9. So the Cal process appears to work. I
>>>> checked it on 20, 40 and 80 and got S-9 on the cal signal.
>>>>
>>>> KE4WY Jim
>>>>
>>>> ----------
>>>>
>>>> -----Original Message-----
>>>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
>>>> Behalf Of Jerry Rogers
>>>> Sent: Friday, December 21, 2012 6:19 AM
>>>> To: orion565@yahoogroups.com
>>>> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
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>>>> Does this S-meter adjustment mean you have to insert a calibrated
>>>> signal, and then adjust your menu settings?
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>>>> Jerry, ki4ps
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>>>> On Dec 20, 2012, at 7:55 PM, Jim <pywacker@...> wrote:
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>>>>> George it is under downloads along with the "S" meter cal
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>>>>> The update went fine. Something I noticed after the update is the
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>>>> meter
>>>>> Appears to be in fast AGC whether the AGC is set to Slow, Medium
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>>> Fast.
>>>>>
>>>>> KE4WY Jim
>>>>>
>>>>> Sent from my Verizon Wireless 4G LTE DROID
>>>>>
>>>>> George <goofyham@...> wrote:
>>>>>
>>>>>> I went to the TT WEB page and could not find anything referring
>>>>>> to "download" for the 566?

>>>>>>
>>>>>> Where is it?
>>>>>>
>>>>>> Thanks.
>>>>>>
>>>>>>
>>>>>> George W2YJ
>>>>>>
>>>>>>
>>>>>>
>>>>>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
>>>>>> On
>>>> Behalf
>>>>>> Of John
>>>>>> Sent: Thursday, December 20, 2012 4:53 PM
>>>>>> To: orion565@yahoogroups.com
>>>>>> Subject: [orion565] Orion II Model 566 Version 3.033xa posted
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>>>>>>
>>>>>> Just posted an update on the TenTec web page for the Orion II
>>>>>> Model
>>> 566.
>>>>>>
>>>>>> Version 3.033xa December 20, 2012
>>>>>> Added S-Meter Calibration
>>>>>> The procedure is downloaded with the 3.033xa update, There is a
>>>>>> start-menu link.
>>>>>> e.g. in Windows, click on Start, All-Programs, Ten-Tec, OrionII
>>>>>> Firmware Update, then look for the file S-Meter 565 566
>>>>>> Calibration Procedure Corrected Sweep alignment in LSB Corrected
>>>>>> SAF/Notch setting after power up.
>>>>>>
>>>>>> The procedure is not necessary, but allows those that want the
>>>>>> S-Meter readout to be as exact as they can get it, they can
>>>>>> adjust it. It is actually adjusting the voltage level to the
>>>>>> meter, e.g. when the software detects an S-9, it will look up the
>>>>>> value in this table and use it to
>>>> drive
>>>>>> the meter. It does not adjust what is read by the software, an S9
>>>>>> is
>>>> still
>>>>>> an S9 in the software.
>>>>>>
>>>>>> Thanks, and 73,
>>>>>> John Henry, KI4JPL
>>>>>> TenTec Engineering
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8893. Re: [orion565] Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-21 18:24:41 UTC
From: Luther Phillips
Topic: 8875 Message: 8893

Installed 3.033xa this morning. Did RAM CLEAR & Master Reset just to make sure everything was loaded ok. Then, did S-Meter scale adjustment procedure after restoring other custom settings. Ended up adjusting all values except S-0 and S-9+60. All my adjusted values ended up being lower than the default values listed in the procedure. Printed off a copy of the procedure and recorded settings for future reference.

Some observations:
1.Main S-meter action is now very fast, regardless of AGC settings

2.Sub receiver S-graph also seems much more "lively"

3.Main S-meter readings are affected by preamp on/off, but not by RF Gain settings

4.You can still adjust AGC settings as before. I mostly use PROG with the settings suggested in the manual: Hang=0, Decay=0.50, Threshold=0.50. I haven't noticed any difference in the sound or behavior of the receivers compared to V 3.029 using these settings.

5.Checking the main receiver with an Elecraft XG-2 on 20, 40, & 80, with 600 Hz roofing filter engaged, 50 uV reads S9+5 with preamp on, just above S-8 with preamp off. Readings very close on all three bands. 1 uV reads about S-3 with preamp on.

6.It is more difficult to discern readings especially on fast CW signals, but overall, I like the new action & behavior of the S-meters. YMMV, of course.

73,
Luther N4UW

----- Original Message -----
From: <wolfmanjack@...>
To: <orion565@yahoogroups.com>
Sent: Friday, December 21, 2012 12:10 PM
Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted

> I'm definitely holding off...
>
> 73 John K7FD
>
>
> On Fri, Dec 21, 2012 at 6:33 AM, Jerry Rogers wrote:
>
>> Can you still go into the menu and adjust the AGC delays, etc.????
>>

>> Maybe I will hold off until this issue is resolved.
>>
>> Jerry, ki4ps

8894. Re: Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-21 20:24:05 UTC
From: floydsense
Topic: 8875 Message: 8894

With the new version installed, AGC Hang no longer has any effect. I'm not just talking about the S meter action - the AGC is clearly not working properly. It appears to be in Fast mode all the time, but I didn't take the time to see if the Fast mode parameters would control the action when in Slow mode. Adjusting the AGC Hang value had no effect whatever. Not ready for prime time!

73, Floyd - K8AC

8895. Re: [orion565] Re: Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-21 21:37:49 UTC
From: W3ETC
Topic: 8875 Message: 8895

Thanks for all your fellows testing. I think I will leave mine right where it is. Sounds no where near ready

Ed W3ETC

On Dec 21, 2012, at 15:24, "floydsense" <floyd@...> wrote:

> With the new version installed, AGC Hang no longer has any effect. I'm not just talking about the S meter action - the AGC is clearly not working properly. It appears to be in Fast mode all the time, but I didn't take the time to see if the Fast mode parameters would control the action when in Slow mode. Adjusting the AGC Hang value had no effect whatever. Not ready for prime time!
>
> 73, Floyd - K8AC
>
>

[Non-text portions of this message have been removed]

8896. RE: [orion565] Re: Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-21 21:47:37 UTC
From: George
Topic: 8875 Message: 8896

Yep, it’s in trouble. My AGC’s are way out of whack.

It does sound like the slow AGC is acting like my fast AGC now. I have not attempted to change the original settings I had before the update.

It’s Christmas so I’ll live with it till they, TT, gets back to the shop.

Not a show stopper for me.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of W3ETC
Sent: Friday, December 21, 2012 4:38 PM
To: orion565@yahoogroups.com
Cc: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Orion II Model 566 Version 3.033xa posted

Thanks for all your fellows testing. I think I will leave mine right where it is. Sounds no where near ready

Ed W3ETC

On Dec 21, 2012, at 15:24, "floydsense" <floyd@... <mailto:floyd%40k8ac.net> > wrote:

> With the new version installed, AGC Hang no longer has any effect. I'm not just talking about the S meter action - the AGC is clearly not working properly. It appears to be in Fast mode all the time, but I didn't take the time to see if the Fast mode parameters would control the action when in Slow mode. Adjusting the AGC Hang value had no effect whatever. Not ready for prime time!
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> 73, Floyd - K8AC
>
>

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8897. Orion Blue Screen Display

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-22 02:06:50 UTC
From: hummerham
Topic: 8897 Message: 8897

Seasons greetings fellow Orion useres. I am looking for info, comments, and experiences from those who have upgraded their Orion to the Blue Display. I am thinking about doing that with mine and wanted to see what the thoughts were of those who have already done this. My standard display has developed a few lines accross it and am thinking it is time to upgrade to the blue display....hoping that will cure the problem of the lines. Any info and comments are welcome. Thanks and Merry Christmas to all.

73,
Butch...K3AFR

8898. RE: [orion565] Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-22 12:58:50 UTC
From: George
Topic: 8875 Message: 8898

I went back to the previous version, 3.029 till the AGC disruption gets resolved.

George W2YJ

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Jerry Rogers
Sent: Friday, December 21, 2012 9:33 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted

Can you still go into the menu and adjust the AGC delays, etc.????

Maybe I will hold off until this issue is resolved.

Jerry, ki4ps

On Dec 21, 2012, at 8:41 AM, Jim <pywacker@...> wrote:

> George, same here.
>
> KE4WY Jim
>
> Sent from my Verizon Wireless 4G LTE DROID
>
> George <goofyham@...> wrote:
>
> >I did the upgrade and calibration and now the S-Meter seems to follow
> >fast AGC? What happened to slow operating S-Meter?
> >
> >George W2YJ
> >
> >
> >-----Original Message-----
> >From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> >Behalf Of Jerry Rogers
> >Sent: Friday, December 21, 2012 6:46 AM
> >To: orion565@yahoogroups.com
> >Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
> >
> >Thanks Jim: That's the way I read the instructions, but just wanted
> >to check.
> >
> >Again, thanks
> >
> >Jerry, ki4ps

> >
> >
> >On Dec 21, 2012, at 6:44 AM, "Jim" <pywacker@...> wrote:
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> >> Jerry, no, when you go to S1 in the menu use the multi knob to
> >> adjust the menu number for S1 to equal S1 on your mechanical
> >> S-METER, go to
> >> S-2 in the menu and adjust with the multi knob S-2 to equal S-2 on
> >> your mechanical S meter and so on until you are finished setting
> >> each
> >level.
> >>
> >> Note per instructions S-9+60 stays at 0.
> >>
> >> I did put a calibrated signal in for S-9 and the Mechanical S METER
> >> ON THE RADIO reads S-9. So the Cal process appears to work. I
> >> checked it on 20, 40 and 80 and got S-9 on the cal signal.
> >>
> >> KE4WY Jim
> >>
> >> _____
> >>
> >> -----Original Message-----
> >> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> >> Behalf Of Jerry Rogers
> >> Sent: Friday, December 21, 2012 6:19 AM
> >> To: orion565@yahoogroups.com
> >> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
> >>
> >> Does this S-meter adjustment mean you have to insert a calibrated
> >> signal, and then adjust your menu settings?
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> >> Jerry, ki4ps
> >>
> >> On Dec 20, 2012, at 7:55 PM, Jim <pywacker@...> wrote:
> >>
> >> > George it is under downloads along with the "S" meter cal procedure.
> >> >
> >> > The update went fine. Something I noticed after the update is the "S"
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> >> > >From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
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> >> > >e.g. in Windows, click on Start, All-Programs, Ten-Tec, OrionII
> >> > >Firmware Update, then look for the file S-Meter 565 566
> >> > >Calibration Procedure Corrected Sweep alignment in LSB Corrected
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> >> > >
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> >> > >John Henry, KI4JPL
> >> > >TenTec Engineering
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Yahoo! Groups Links

8899. [orion565] Opinion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-22 15:41:41 UTC
From: Jim
Topic: 8875 Message: 8899

I have a question for those who have both the Orion/Orion II and the Omni VII. Other than the remote capability what do you like about the Omni VII over the Orion/Orion II?

I had been told the remote audio on the Omni VII is not that great??

I only have the Orion II and really enjoy the rig. Just wondering other than the remote if I am missing out not having an Omni VII here in the shack.

Tnxs de KE4WY Jim

8900. Re: Opinion

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-22 19:08:57 UTC
From: k1fpv
Topic: 8875 Message: 8900

HI Jim,

I have an Orion II as well as an Omni VII. I don't use the Omni VII remotely but for the most part like it for 6 meter use. Also, it is easier to work all 5 60 meter channels with the Omni VII than the Orion II. Other than that, on HF I prefer the Orion II. I have been thinking seriously of selling my Omni VII and eventually buying a 539. Another thing is I need the room on my operating bench. ;-)

73 & Merry Christmas,
Bill/K1FPV

--- In orion565@yahoogroups.com, "Jim" <pywacker@...> wrote:
>
> I have a question for those who have both the Orion/Orion II and the
> Omni VII. Other than the remote capability what do you like about the Omni
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>
> I had been told the remote audio on the Omni VII is not that great??
>
> I only have the Orion II and really enjoy the rig. Just wondering other than
> the remote if I am missing out not having an Omni VII here in the shack.
>
> Tnxs de KE4WY Jim
>

8901. Re: Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-22 20:51:19 UTC
From: John
Topic: 8875 Message: 8901

I went in to work today to measure the new version and the previous version AGC, and they measure identical. They sound identical. I did this on two units, and swapped the versions back and forth and could not measure or detect anything different in how the AGC operation worked. If someone has an exact measured difference that they can provide, then I will look at it some more.

But, just because the s-meter appears to work differently now does not mean that the rest of the rig is working improperly.

The AGC action is identical as measured in the lab and on the air.

Changing hang causes the hang time to change, measured, verified.
Changing decay does the same.
Both 3.033xa and the previous released version I measured identical.

If someone can identify an exact difference, then I can work on it, but the code was not changed in this area. So it should operate exactly the same.

Thanks, and 73,
John Henry, KI4JPL
TenTec Engineering

--- In orion565@yahoogroups.com, "George" <goofyham@...> wrote:
>
> I went back to the previous version, 3.029 till the AGC disruption gets
> resolved.
>
> George W2YJ
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Jerry Rogers
> Sent: Friday, December 21, 2012 9:33 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
>
> Can you still go into the menu and adjust the AGC delays, etc.????
>
> Maybe I will hold off until this issue is resolved.
>
>
> Jerry, ki4ps
>
>
> On Dec 21, 2012, at 8:41 AM, Jim <pywacker@...> wrote:
>

> > George, same here.
> >
> > KE4WY Jim
> >
> > Sent from my Verizon Wireless 4G LTE DROID
> >
> > George <goofyham@...> wrote:
> >
> > >I did the upgrade and calibration and now the S-Meter seems to follow
> > >fast AGC? What happened to slow operating S-Meter?
> > >
> > >George W2YJ
> > >
> > >
> > >-----Original Message-----
> > >From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> > >Behalf Of Jerry Rogers
> > >Sent: Friday, December 21, 2012 6:46 AM
> > >To: orion565@yahoogroups.com
> > >Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
> > >
> > >Thanks Jim: That's the way I read the instructions, but just wanted
> > >to check.
> > >
> > >Again, thanks
> > >
> > >Jerry, ki4ps
> > >
> > >
> > >On Dec 21, 2012, at 6:44 AM, "Jim" <pywacker@...> wrote:
> > >
> > >> Jerry, no, when you go to S1 in the menu use the multi knob to
> > >> adjust the menu number for S1 to equal S1 on your mechanical
> > >> S-METER, go to
> > >> S-2 in the menu and adjust with the multi knob S-2 to equal S-2 on
> > >> your mechanical S meter and so on until you are finished setting
> > >> each
> > >level.
> > >>
> > >> Note per instructions S-9+60 stays at 0.
> > >>
> > >> I did put a calibrated signal in for S-9 and the Mechanical S METER
> > >> ON THE RADIO reads S-9. So the Cal process appears to work. I
> > >> checked it on 20, 40 and 80 and got S-9 on the cal signal.
> > >>
> > >> KE4WY Jim
> > >>
> > >> _____
> > >>
> > >> -----Original Message-----

> > >> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> > >> Behalf Of Jerry Rogers
> > >> Sent: Friday, December 21, 2012 6:19 AM
> > >> To: orion565@yahoogroups.com
> > >> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
> > >>
> > >> Does this S-meter adjustment mean you have to insert a calibrated
> > >> signal, and then adjust your menu settings?
> > >>
> > >> Jerry, ki4ps
> > >>
> > >> On Dec 20, 2012, at 7:55 PM, Jim <pywacker@...> wrote:
> > >>
> > >> > George it is under downloads along with the "S" meter cal procedure.
> > >> >
> > >> > The update went fine. Something I noticed after the update is the "S"
> > >> meter
> > >> > Appears to be in fast AGC whether the AGC is set to Slow, Medium
> > >> > or
> > >>Fast.
> > >> >
> > >> > KE4WY Jim
> > >> >
> > >> > Sent from my Verizon Wireless 4G LTE DROID
> > >> >
> > >> > George <goofyham@...> wrote:
> > >> >
> > >> >I went to the TT WEB page and could not find anything referring
> > >> >to "download" for the 566?
> > >> > >
> > >> >Where is it?
> > >> > >
> > >> >Thanks.
> > >> > >
> > >> > >
> > >> > >
> > >> >George W2YJ
> > >> > >
> > >> > >
> > >> > >
> > >> >From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> > >> >On
> > >> Behalf
> > >> >Of John
> > >> >Sent: Thursday, December 20, 2012 4:53 PM
> > >> >To: orion565@yahoogroups.com
> > >> >Subject: [orion565] Orion II Model 566 Version 3.033xa posted
> > >> > >
> > >> > >
> > >> > >

> > >> > >
> > >> > >
> > >> > >Just posted an update on the TenTec web page for the Orion II
> > >> > >Model
> > >566.
> > >> > >
> > >> > >Version 3.033xa December 20, 2012 Added S-Meter Calibration The
> > >> > >procedure is downloaded with the 3.033xa update, There is a
> > >> > >start-menu link.
> > >> > >e.g. in Windows, click on Start, All-Programs, Ten-Tec, OrionII
> > >> > >Firmware Update, then look for the file S-Meter 565 566
> > >> > >Calibration Procedure Corrected Sweep alignment in LSB Corrected
> > >> > >SAF/Notch setting after power up.
> > >> > >
> > >> > >The procedure is not necessary, but allows those that want the
> > >> > >S-Meter readout to be as exact as they can get it, they can
> > >> > >adjust it. It is actually adjusting the voltage level to the meter,
> e.g.
> > >> > >when the software detects an S-9, it will look up the value in
> > >> > >this table and use it to
> > >> drive
> > >> > >the meter. It does not adjust what is read by the software, an
> > >> > >S9 is
> > >> still
> > >> > >an S9 in the software.
> > >> > >
> > >> > >Thanks, and 73,
> > >> > >John Henry, KI4JPL
> > >> > >TenTec Engineering
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8903. RE: [orion565] Re: Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-22 22:57:13 UTC
From: Jim
Topic: 8875 Message: 8903

John, same here as Floyd describes.
We have went back to 3.029.

KE4WY Jim

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of floydsense
Sent: Saturday, December 22, 2012 5:38 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion II Model 566 Version 3.033xa posted

Hello John. I believe everything you've said regarding what you observed on the AGC action on your Orions. Now, I expect you to return the favor and respectfully admit that there's clearly something going on here that isn't right.

I assure you that I'm not your normal dumb-ass Orion owner - I've been at this game for over 50 years now and when I tell you that the AGC is NOT operating properly it isn't. I spent considerable time checking this out without watching the S meter. With the AGC parameters I use, I can certainly tell the difference between fast and slow AGC.

On my Orion II, adjusting the AGC hang parameter (let's just focus on SLOW AGC for now) clearly results in a variable hang and the S meter can be used to verify that. With the new version installed, adjusting the hang value made no difference whatever, no matter how large a value was set. I hope that's enough of an explanation of how the AGC is operating improperly. If you'd like me to try something else and observe how that effects operation, please let me know.

You might also consider that more than one of us observed exactly the same problem after installing the new version. In my case, falling back to the previous version resulted in a return to normal AGC operation.

73, Floyd - K8AC

--- In orion565@yahoogroups.com, "John" <jhenry@...> wrote:
>
> I went in to work today to measure the new version and the previous version AGC, and they measure identical. They sound identical. I did this on two units, and swapped the versions back and forth and could not measure or detect anything different in how the AGC operation worked. If someone has an exact measured difference that they can provide, then I will look at it some more.
>
> But, just because the s-meter appears to work differently now does not

mean that the rest of the rig is working improperly.
>
> The AGC action is identical as measured in the lab and on the air.
>
> Changing hang causes the hang time to change, measured, verified.
> Changing decay does the same.
> Both 3.033xa and the previous released version I measured identical.
>
> If someone can identify an exact difference, then I can work on it, but the code was not changed in this area. So it should operate exactly the same.
>
> Thanks, and 73,
> John Henry, KI4JPL
> TenTec Engineering
>
>

Yahoo! Groups Links

8904. Re: Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-22 23:07:14 UTC
From: hlmcgavran
Topic: 8875 Message: 8904

--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
> Hello John. I believe everything you've said regarding what you observed on the AGC action on your Orions. Now, I expect you to return the favor and respectfully admit that there's clearly something going on here that isn't right.
>
> I assure you that I'm not your normal dumb-ass Orion owner - I've been at this game for over 50 years now and when I tell you that the AGC is NOT operating properly it isn't. I spent considerable time checking this out without watching the S meter. With the AGC parameters I use, I can certainly tell the difference between fast and slow AGC.
>

I'm impressed that people want to use the S meter to tell something
about the AGC when in this version the S-Meter has nothing to do
with the AGC. I've measured the change in SNR over time with various settings in the AGC and they look exactly the same as in 3.029.
With on-off keying of signals the SNR changes over time
just like before. Expecting the S-Meter to show this
doesn't make sense when in this version the S-Meter isn't tied
to the AGC. I actually prefer the S-Meter being tied to the AGC
as it makes setting the RF Gain level easier for me, but having
the S-Meter show the right levels is more important to me,
so I'm not backing off. The AGC works just fine for me.
You'd never know it just looking at the S-Meter, but what
matters is the SNR. To me the AGC action sounds just like
the previous version and measuring the change in SNR confirmed it.

Harry - W5PNY

8905. Orion II comments?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 00:19:54 UTC
From: Peter Rogers
Topic: 8905 Message: 8905

Hi Floyd,

You say that you have been at this game for over FIFTY YEARS.. Congratulations from myself and probably many many more hams around the world. As you know we are in the 21 century now and the comment you made which you wrote:

"I assure you that I'm not your normal dumb-ass Orion owner - I've been at this game for over 50 years now and when I tell you that the AGC is NOT operating properly it isn't."

So tell me Floyd, You must be the biggest DUMB ASS for making such a statement!

73
Peter Rogers ve3etr

****

[Non-text portions of this message have been removed]

8906. Re: [orion565] Re: Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 03:11:18 UTC
From: Sam W Jacobs CET
Topic: 8875 Message: 8906

Since hearing that the S-meter is software defined, in the next version I would like the option
to be able to toggle the meter between the modes (perhaps by pressing in the Multi control ?).

Is that a possibility ?

73 !

Sam
K3SAM

ps: normal "dumb-ass" Orion owner ? How rude. Merry Christmas to all the other normal dumb-ass Orion owners out there.

From: hlmcgavran <w5pny@...>
To: orion565@yahoogroups.com
Sent: Saturday, December 22, 2012 6:07 PM
Subject: [orion565] Re: Orion II Model 566 Version 3.033xa posted

--- In orion565@yahoogroups.com, "floydsense" <floyd@...> wrote:
>
> Hello John. I believe everything you've said regarding what you observed on the AGC action on your Orions. Now, I expect you to return the favor and respectfully admit that there's clearly something going on here that isn't right.
>
> I assure you that I'm not your normal dumb-ass Orion owner - I've been at this game for over 50 years now and when I tell you that the AGC is NOT operating properly it isn't. I spent considerable time checking this out without watching the S meter. With the AGC parameters I use, I can certainly tell the difference between fast and slow AGC.
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about the AGC when in this version the S-Meter has nothing to do
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With on-off keying of signals the SNR changes over time
just like before. Expecting the S-Meter to show this
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to the AGC. I actually prefer the S-Meter being tied to the AGC
as it makes setting the RF Gain level easier for me, but having
the S-Meter show the right levels is more important to me,
so I'm not backing off. The AGC works just fine for me.
You'd never know it just looking at the S-Meter, but what
matters is the SNR. To me the AGC action sounds just like
the previous version and measuring the change in SNR confirmed it.

Harry - W5PNY

[Non-text portions of this message have been removed]

8907. Re: [orion565] Re: Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 04:13:19 UTC
From: Sam W Jacobs CET
Topic: 8875 Message: 8907

You went into work on Saturday to do this ? That is dedication !
Thanks for checking. Now that I know this I will go ahead and install 3.033xa.
While I'm at it John, I'll give you a "pop / click" update using the new software
as I'm still on 3.031 for the O2.

73 !

Sam
K3SAM

From: John <jhenry@...>
To: orion565@yahoogroups.com
Sent: Saturday, December 22, 2012 3:51 PM
Subject: [orion565] Re: Orion II Model 566 Version 3.033xa posted

I went in to work today to measure the new version and the previous version AGC, and they measure identical. They sound identical. I did this on two units, and swapped the versions back and forth and could not measure or detect anything different in how the AGC operation worked. If someone has an exact measured difference that they can provide, then I will look at it some more.

But, just because the s-meter appears to work differently now does not mean that the rest of the rig is working improperly.

The AGC action is identical as measured in the lab and on the air.

Changing hang causes the hang time to change, measured, verified.
Changing decay does the same.
Both 3.033xa and the previous released version I measured identical.

If someone can identify an exact difference, then I can work on it, but the code was not changed in this area. So it should operate exactly the same.

Thanks, and 73,
John Henry, KI4JPL
TenTec Engineering

--- In orion565@yahoogroups.com, "George" <goofyham@...> wrote:
>
> I went back to the previous version, 3.029 till the AGC disruption gets
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>
> George W2YJ
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf

> Of Jerry Rogers
> Sent: Friday, December 21, 2012 9:33 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
>
> Can you still go into the menu and adjust the AGC delays, etc.????
>
> Maybe I will hold off until this issue is resolved.
>
>
> Jerry, ki4ps
>
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> On Dec 21, 2012, at 8:41 AM, Jim <pywacker@...> wrote:
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> > George, same here.
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> > George <goofyham@...> wrote:
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> > >I did the upgrade and calibration and now the S-Meter seems to follow
> > >fast AGC? What happened to slow operating S-Meter?
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> > >George W2YJ
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> > >-----Original Message-----
> > >From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> > >Behalf Of Jerry Rogers
> > >Sent: Friday, December 21, 2012 6:46 AM
> > >To: orion565@yahoogroups.com
> > >Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
> > >
> > >Thanks Jim: That's the way I read the instructions, but just wanted
> > >to check.
> > >
> > >Again, thanks
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> > >Jerry, ki4ps
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> > >
> > >On Dec 21, 2012, at 6:44 AM, "Jim" <pywacker@...> wrote:
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> > >> Jerry, no, when you go to S1 in the menu use the multi knob to
> > >> adjust the menu number for S1 to equal S1 on your mechanical
> > >> S-METER, go to
> > >> S-2 in the menu and adjust with the multi knob S-2 to equal S-2 on

> > >> your mechanical S meter and so on until you are finished setting
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> > >level.
> > >>
> > >> Note per instructions S-9+60 stays at 0.
> > >>
> > >> I did put a calibrated signal in for S-9 and the Mechanical S METER
> > >> ON THE RADIO reads S-9. So the Cal process appears to work. I
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> > >> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
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> > >> Does this S-meter adjustment mean you have to insert a calibrated
> > >> signal, and then adjust your menu settings?
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> > >>
> > >> > George it is under downloads along with the "S" meter cal procedure.
> > >> >
> > >> > The update went fine. Something I noticed after the update is the "S"
> > >> meter
> > >> > Appears to be in fast AGC whether the AGC is set to Slow, Medium
> > >> > or
> > >>Fast.
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> > >> > Sent from my Verizon Wireless 4G LTE DROID
> > >> >
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> > >> > >I went to the TT WEB page and could not find anything referring
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> > >> > >
> > >> > >Where is it?
> > >> > >
> > >> > >Thanks.
> > >> > >
> > >> > >

> > >> > >
> > >> > >George W2YJ
> > >> > >
> > >> > >
> > >> > >
> > >> > >From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> > >> > >On
> > >> Behalf
> > >> > >Of John
> > >> > >Sent: Thursday, December 20, 2012 4:53 PM
> > >> > >To: orion565@yahoogroups.com
> > >> > >Subject: [orion565] Orion II Model 566 Version 3.033xa posted
> > >> > >
> > >> > >
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> > >> > >
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> > >> > >Model
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> > >> > >
> > >> > >Version 3.033xa December 20, 2012 Added S-Meter Calibration The
> > >> > >procedure is downloaded with the 3.033xa update, There is a
> > >> > >start-menu link.
> > >> > >e.g. in Windows, click on Start, All-Programs, Ten-Tec, OrionII
> > >> > >Firmware Update, then look for the file S-Meter 565 566
> > >> > >Calibration Procedure Corrected Sweep alignment in LSB Corrected
> > >> > >SAF/Notch setting after power up.
> > >> > >
> > >> > >The procedure is not necessary, but allows those that want the
> > >> > >S-Meter readout to be as exact as they can get it, they can
> > >> > >adjust it. It is actually adjusting the voltage level to the meter,
> e.g.
> > >> > >when the software detects an S-9, it will look up the value in
> > >> > >this table and use it to
> > >> drive
> > >> > >the meter. It does not adjust what is read by the software, an
> > >> > >S9 is
> > >> still
> > >> > >an S9 in the software.
> > >> > >
> > >> > >Thanks, and 73,
> > >> > >John Henry, KI4JPL
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8908. Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 12:35:10 UTC
From: Sam W Jacobs CET
Topic: 8875 Message: 8908

John,

  No reports on the pops and clicks yet however first impressions are very positive. Basically
commenting on the new use of the S-meter and I love it this way much better. It would be nice
to toggle between the two modes (as I mentioned in an earlier message) but if I were to pick one,
this would be it ! Thanks.

73 !

Sam
K3SAM

[Non-text portions of this message have been removed]

8909. RE: [orion565] Re: Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 12:55:50 UTC
From: George
Topic: 8875 Message: 8909

Where were the instructions for setting the S meter values? I lost them and can’t figure out on the TT page how to get the instructions.

Thanks

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Sam W Jacobs CET
Sent: Saturday, December 22, 2012 11:13 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Orion II Model 566 Version 3.033xa posted

You went into work on Saturday to do this ? That is dedication !
Thanks for checking. Now that I know this I will go ahead and install 3.033xa.
While I'm at it John, I'll give you a "pop / click" update using the new software
as I'm still on 3.031 for the O2.

73 !

Sam
K3SAM

From: John <jhenry@... <mailto:jhenry%40tentec.com> >
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Sent: Saturday, December 22, 2012 3:51 PM
Subject: [orion565] Re: Orion II Model 566 Version 3.033xa posted

I went in to work today to measure the new version and the previous version AGC, and they measure identical. They sound identical. I did this on two units, and swapped the versions back and forth and could not measure or detect anything different in how the AGC operation worked. If someone has an exact measured difference that they can provide, then I will look at it some more.

But, just because the s-meter appears to work differently now does not mean that the rest of the rig is working improperly.

The AGC action is identical as measured in the lab and on the air.

Changing hang causes the hang time to change, measured, verified.
Changing decay does the same.
Both 3.033xa and the previous released version I measured identical.

If someone can identify an exact difference, then I can work on it, but the code was not changed in this area. So it should operate exactly the same.

Thanks, and 73,
John Henry, KI4JPL
TenTec Engineering

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "George"
<goofyham@...> wrote:
>
> I went back to the previous version, 3.029 till the AGC disruption gets
> resolved.
>
> George W2YJ
>
> -----Original Message-----
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
> Of Jerry Rogers
> Sent: Friday, December 21, 2012 9:33 AM
> To: orion565@...m <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
>
> Can you still go into the menu and adjust the AGC delays, etc.????
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> Maybe I will hold off until this issue is resolved.
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>
> On Dec 21, 2012, at 8:41 AM, Jim <pywacker@...> wrote:
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> > George, same here.
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> > Sent from my Verizon Wireless 4G LTE DROID
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> > >Behalf Of Jerry Rogers
> > >Sent: Friday, December 21, 2012 6:46 AM
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> > >Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted

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> > >Thanks Jim: That's the way I read the instructions, but just wanted
> > >to check.
> > >
> > >Again, thanks
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> > >Jerry, ki4ps
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> > >On Dec 21, 2012, at 6:44 AM, "Jim" <pywacker@...> wrote:
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> > >> adjust the menu number for S1 to equal S1 on your mechanical
> > >> S-METER, go to
> > >> S-2 in the menu and adjust with the multi knob S-2 to equal S-2 on
> > >> your mechanical S meter and so on until you are finished setting
> > >> each
> > >level.
> > >>
> > >> Note per instructions S-9+60 stays at 0.
> > >>
> > >> I did put a calibrated signal in for S-9 and the Mechanical S METER
> > >> ON THE RADIO reads S-9. So the Cal process appears to work. I
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> > >> Behalf Of Jerry Rogers
> > >> Sent: Friday, December 21, 2012 6:19 AM
> > >> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > >> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
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> > >> signal, and then adjust your menu settings?
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> > >>
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> > >> > George it is under downloads along with the "S" meter cal procedure.
> > >> >
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> > >> > >Where is it?
> > >> > >
> > >> > >Thanks.
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> > >> > >
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> > >> > >
> > >> > >
> > >> > >
> > >> > >
> > >> > >
> > >> > >Just posted an update on the TenTec web page for the Orion II
> > >> > >Model
> > >566.
> > >> > >
> > >> > >Version 3.033xa December 20, 2012 Added S-Meter Calibration The
> > >> > >procedure is downloaded with the 3.033xa update, There is a
> > >> > >start-menu link.
> > >> > >e.g. in Windows, click on Start, All-Programs, Ten-Tec, OrionII
> > >> > >Firmware Update, then look for the file S-Meter 565 566
> > >> > >Calibration Procedure Corrected Sweep alignment in LSB Corrected
> > >> > >SAF/Notch setting after power up.
> > >> > >
> > >> > >The procedure is not necessary, but allows those that want the
> > >> > >S-Meter readout to be as exact as they can get it, they can
> > >> > >adjust it. It is actually adjusting the voltage level to the meter,
> e.g.

> > >> > >when the software detects an S-9, it will look up the value in
> > >> > >this table and use it to
> > >> drive
> > >> > >the meter. It does not adjust what is read by the software, an
> > >> > >S9 is
> > >> still
> > >> > >an S9 in the software.
> > >> > >
> > >> > >Thanks, and 73,
> > >> > >John Henry, KI4JPL
> > >> > >TenTec Engineering
> > >> > >
> > >> > >
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> > >> > >[Non-text portions of this message have been removed]
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8911. Re: Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 13:34:58 UTC
From: John
Topic: 8875 Message: 8911

Floyd and Jim,

If you guys think something is wrong, then I need to look at it some more. I may have missed something obvious or not so obvious to me.
Thank you for your inputs, it will help correct whatever is wrong.
Will let you know if I do find something specific.

Thanks, and best regards, and of course, 73
John Henry, KI4JPL
TenTec Engineering

--- In orion565@yahoogroups.com, "Jim" <pywacker@...> wrote:
>
> John, same here as Floyd describes.
> We have went back to 3.029.
>
> KE4WY Jim
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of floydsense
> Sent: Saturday, December 22, 2012 5:38 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Orion II Model 566 Version 3.033xa posted
>
> Hello John. I believe everything you've said regarding what you observed on
> the AGC action on your Orions. Now, I expect you to return the favor and
> respectfully admit that there's clearly something going on here that isn't
> right.
>
> I assure you that I'm not your normal dumb-ass Orion owner - I've been at
> this game for over 50 years now and when I tell you that the AGC is NOT
> operating properly it isn't. I spent considerable time checking this out
> without watching the S meter. With the AGC parameters I use, I can
> certainly tell the difference between fast and slow AGC.
>
> On my Orion II, adjusting the AGC hang parameter (let's just focus on SLOW
> AGC for now) clearly results in a variable hang and the S meter can be used
> to verify that. With the new version installed, adjusting the hang value
> made no difference whatever, no matter how large a value was set. I hope
> that's enough of an explanation of how the AGC is operating improperly. If
> you'd like me to try something else and observe how that effects operation,
> please let me know.
>
> You might also consider that more than one of us observed exactly the same
> problem after installing the new version. In my case, falling back to the

> previous version resulted in a return to normal AGC operation.
>
> 73, Floyd - K8AC
>
> --- In orion565@yahoogroups.com, "John" <jhenry@> wrote:
> >
> > I went in to work today to measure the new version and the previous
> version AGC, and they measure identical. They sound identical. I did this on
> two units, and swapped the versions back and forth and could not measure or
> detect anything different in how the AGC operation worked. If someone has an
> exact measured difference that they can provide, then I will look at it some
> more.
> >
> > But, just because the s-meter appears to work differently now does not
> mean that the rest of the rig is working improperly.
> >
> > The AGC action is identical as measured in the lab and on the air.
> >
> > Changing hang causes the hang time to change, measured, verified.
> > Changing decay does the same.
> > Both 3.033xa and the previous released version I measured identical.
> >
> > If someone can identify an exact difference, then I can work on it, but
> the code was not changed in this area. So it should operate exactly the
> same.
> >
> > Thanks, and 73,
> > John Henry, KI4JPL
> > TenTec Engineering
> >
> >
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> ------------------------------------
>
>
> Yahoo! Groups Links
>

8913. Re: [orion565] Re: Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 13:53:28 UTC
From: wolfmanjack@charter.net
Topic: 8875 Message: 8913

Click? Pop? What click and pop? And I don't even see 3.031 as an
available download...

John K7FD

On Sat, Dec 22, 2012 at 8:13 PM, Sam W Jacobs CET wrote:

You went into work on Saturday to do this ? That is dedication !
Thanks for checking. Now that I know this I will go ahead and install
3.033xa.
While I'm at it John, I'll give you a "pop / click" update using the new
software
as I'm still on 3.031 for the O2.

73 !

Sam
K3SAM

From: John < jhenry@...
<javascript:parent.wgMail.openComposeWindow('jhenry@...')> >
To: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
Sent: Saturday, December 22, 2012 3:51 PM
Subject: [orion565] Re: Orion II Model 566 Version 3.033xa posted

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someone has an exact measured difference that they can provide, then I
will look at it some more.

But, just because the s-meter appears to work differently now does not
mean that the rest of the rig is working improperly.

The AGC action is identical as measured in the lab and on the air.

Changing hang causes the hang time to change, measured, verified.
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Thanks, and 73,
John Henry, KI4JPL
TenTec Engineering

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> Maybe I will hold off until this issue is resolved.
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> On Dec 21, 2012, at 8:41 AM, Jim <pywacker@...> wrote:
>> George, same here.
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>> Sent from my Verizon Wireless 4G LTE DROID
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>>>> adjust the menu number for S1 to equal S1 on your mechanical
>>>> S-METER, go to S-2 in the menu and adjust with the multi knob S-2
>>>> to equal S-2 on your mechanical S meter and so on until you are

>>>> finished setting each
>>> level.
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>>>> Note per instructions S-9+60 stays at 0.
>>>> I did put a calibrated signal in for S-9 and the Mechanical S METER
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>>>>>>
>>>>>>
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>>>>>> Just posted an update on the TenTec web page for the Orion II
>>>>>> Model
>>> 566.
>>>>>>
>>>>>> Version 3.033xa December 20, 2012 Added S-Meter Calibration The
>>>>>> procedure is downloaded with the 3.033xa update, There is a
>>>>>> start-menu link. e.g. in Windows, click on Start, All-Programs,
>>>>>> Ten-Tec, OrionII Firmware Update, then look for the file S-Meter
>>>>>> 565 566 Calibration Procedure Corrected Sweep alignment in LSB
>>>>>> Corrected SAF/Notch setting after power up.
>>>>>> The procedure is not necessary, but allows those that want the
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>>>>>> [Non-text portions of this message have been removed]
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<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

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8914. Re: [orion565] Re: Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 13:57:55 UTC
From: Sam W Jacobs CET
Topic: 8875 Message: 8914

Something John and I are working on.
Version 3.031 was a special beta release to me.
Sorry, perhaps should have been in a private message. (no top secrets)

73 !

Sam
K3SAM

From: "wolfmanjack@..." <wolfmanjack@...>
To: orion565@yahoogroups.com
Sent: Sunday, December 23, 2012 8:53 AM
Subject: Re: [orion565] Re: Orion II Model 566 Version 3.033xa posted

Click? Pop? What click and pop? And I don't even see 3.031 as an
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John K7FD

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You went into work on Saturday to do this ? That is dedication !
Thanks for checking. Now that I know this I will go ahead and install
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While I'm at it John, I'll give you a "pop / click" update using the new
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>>>> S-METER, go to S-2 in the menu and adjust with the multi knob S-2
>>>> to equal S-2 on your mechanical S meter and so on until you are
>>>> finished setting each
>>> level.
>>>>
>>>> Note per instructions S-9+60 stays at 0.
>>>> I did put a calibrated signal in for S-9 and the Mechanical S METER
>>>> ON THE RADIO reads S-9. So the Cal process appears to work. I
>>>> checked it on 20, 40 and 80 and got S-9 on the cal signal.
>>>> KE4WY Jim
>>>> _____
>>>> -----Original Message----- From: orion565@yahoogroups.com
>>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
>>>> [mailto: orion565@yahoogroups.com
>>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
>>>>] On Behalf Of Jerry Rogers Sent: Friday, December 21, 2012 6:19 AM
>>>> To: orion565@yahoogroups.com
>>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
>>>> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
>>>> Does this S-meter adjustment mean you have to insert a calibrated
>>>> signal, and then adjust your menu settings?
>>>> Jerry, ki4ps
>>>> On Dec 20, 2012, at 7:55 PM, Jim <pywacker@...> wrote:
>>>>> George it is under downloads along with the "S" meter cal
>>>>> procedure.
>>>>> The update went fine. Something I noticed after the update is the
>>>>> "S"
>>>> meter
>>>>> Appears to be in fast AGC whether the AGC is set to Slow, Medium
>>>>> or
>>> Fast.
>>>>>
>>>>> KE4WY Jim
>>>>> Sent from my Verizon Wireless 4G LTE DROID
>>>>> George <goofyham@...> wrote:
>>>>>> I went to the TT WEB page and could not find anything referring
>>>>>> to "download" for the 566?
>>>>>> Where is it?
>>>>>> Thanks.
>>>>>>

>>>>>>
>>>>>> George W2YJ
>>>>>>
>>>>>>
>>>>>> From: orion565@yahoogroups.com
>>>>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
>>>>>> [mailto: orion565@yahoogroups.com
>>>>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
>>>>>>] On
>>>> Behalf
>>>>>> Of John Sent: Thursday, December 20, 2012 4:53 PM To:
>>>>>> orion565@yahoogroups.com
>>>>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
>>>>>> Subject: [orion565] Orion II Model 566 Version 3.033xa posted
>>>>>>
>>>>>>
>>>>>>
>>>>>>
>>>>>> Just posted an update on the TenTec web page for the Orion II
>>>>>> Model
>>> 566.
>>>>>>
>>>>>> Version 3.033xa December 20, 2012 Added S-Meter Calibration The
>>>>>> procedure is downloaded with the 3.033xa update, There is a
>>>>>> start-menu link. e.g. in Windows, click on Start, All-Programs,
>>>>>> Ten-Tec, OrionII Firmware Update, then look for the file S-Meter
>>>>>> 565 566 Calibration Procedure Corrected Sweep alignment in LSB
>>>>>> Corrected SAF/Notch setting after power up.
>>>>>> The procedure is not necessary, but allows those that want the
>>>>>> S-Meter readout to be as exact as they can get it, they can
>>>>>> adjust it. It is actually adjusting the voltage level to the
>>>>>> meter,
> e.g.
>>>>>> when the software detects an S-9, it will look up the value in
>>>>>> this table and use it to
>>>> drive
>>>>>> the meter. It does not adjust what is read by the software, an S9
>>>>>> is
>>>> still
>>>>>> an S9 in the software.
>>>>>> Thanks, and 73, John Henry, KI4JPL TenTec Engineering
>>>>>>
>>>>>>
>>>>>>
>>>>>>
>>>>>> [Non-text portions of this message have been removed]
>>>>>>
>>>>>>
>>>>>> ------------------------------------
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>>>>>> Yahoo! Groups Links
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>>>>>
>>>>> [Non-text portions of this message have been removed]
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>>>> [Non-text portions of this message have been removed]
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>>>> Yahoo! Groups Links
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>> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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>
> ------------------------------------
>
> Yahoo! Groups Links

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8915. Re: [orion565] Re: Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 14:03:34 UTC
From: wolfmanjack@charter.net
Topic: 8875 Message: 8915

aha! Thanks...

And Season's Greeting to you and all Orioneer's!

73 John K7FD

On Sun, Dec 23, 2012 at 5:57 AM, Sam W Jacobs CET wrote:

Something John and I are working on.
Version 3.031 was a special beta release to me.
Sorry, perhaps should have been in a private message. (no top secrets)

73 !

Sam
K3SAM

From: " wolfmanjack@...
<javascript:parent.wgMail.openComposeWindow('wolfmanjack@charter.net')>
" < wolfmanjack@...
<javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>
>
To: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
Sent: Sunday, December 23, 2012 8:53 AM
Subject: Re: [orion565] Re: Orion II Model 566 Version 3.033xa posted

Click? Pop? What click and pop? And I don't even see 3.031 as an
available download...

John K7FD

On Sat, Dec 22, 2012 at 8:13 PM, Sam W Jacobs CET wrote:

You went into work on Saturday to do this ? That is dedication !
Thanks for checking. Now that I know this I will go ahead and install
3.033xa.
While I'm at it John, I'll give you a "pop / click" update using the new
software
as I'm still on 3.031 for the O2.

73 !

Sam
K3SAM

From: John < jhenry@...
<javascript:parent.wgMail.openComposeWindow('jhenry@...')>
<javascript:parent.wgMail.openComposeWindow('jhenry@...
<javascript:parent.wgMail.openComposeWindow('\'jhenry@tentec.com')> ')>
>
To: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com')>
')>
Sent: Saturday, December 22, 2012 3:51 PM
Subject: [orion565] Re: Orion II Model 566 Version 3.033xa posted

I went in to work today to measure the new version and the previous
version AGC, and they measure identical. They sound identical. I did
this on two units, and swapped the versions back and forth and could not
measure or detect anything different in how the AGC operation worked. If
someone has an exact measured difference that they can provide, then I
will look at it some more.

But, just because the s-meter appears to work differently now does not
mean that the rest of the rig is working improperly.

The AGC action is identical as measured in the lab and on the air.

Changing hang causes the hang time to change, measured, verified.
Changing decay does the same.
Both 3.033xa and the previous released version I measured identical.

If someone can identify an exact difference, then I can work on it, but
the code was not changed in this area. So it should operate exactly the
same.

Thanks, and 73,
John Henry, KI4JPL
TenTec Engineering

--- In orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com')>
')>
, "George" <goofyham@...> wrote:
>
> I went back to the previous version, 3.029 till the AGC disruption
> gets resolved. George W2YJ -----Original Message----- From:
> orion565@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com')>
> ')> [mailto: orion565@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>

> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com')>
> ')>] On Behalf Of Jerry Rogers Sent: Friday, December 21, 2012 9:33
> AM To: orion565@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com')>
> ')> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
> Can you still go into the menu and adjust the AGC delays, etc.????
> Maybe I will hold off until this issue is resolved.
> Jerry, ki4ps
> On Dec 21, 2012, at 8:41 AM, Jim <pywacker@...> wrote:
>> George, same here. KE4WY Jim Sent from my Verizon Wireless 4G LTE
>> DROID George <goofyham@...> wrote:
>>> I did the upgrade and calibration and now the S-Meter seems to
>>> follow fast AGC? What happened to slow operating S-Meter? George
>>> W2YJ
>>> -----Original Message----- From: orion565@yahoogroups.com
>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
>>> <javascript:parent.wgMail.openComposeWindow(
>>> 'orion565@yahoogroups.com
>>> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com')>
>>> ')> [mailto: orion565@yahoogroups.com
>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
>>> <javascript:parent.wgMail.openComposeWindow(
>>> 'orion565@yahoogroups.com
>>> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com')>
>>> ')>] On Behalf Of Jerry Rogers Sent: Friday, December 21, 2012 6:46
>>> AM To: orion565@yahoogroups.com
>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
>>> <javascript:parent.wgMail.openComposeWindow(
>>> 'orion565@yahoogroups.com
>>> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com')>
>>> ')> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa
>>> posted Thanks Jim: That's the way I read the instructions, but just
>>> wanted to check. Again, thanks Jerry, ki4ps
>>> On Dec 21, 2012, at 6:44 AM, "Jim" <pywacker@...> wrote:
>>>> Jerry, no, when you go to S1 in the menu use the multi knob to
>>>> adjust the menu number for S1 to equal S1 on your mechanical
>>>> S-METER, go to S-2 in the menu and adjust with the multi knob S-2
>>>> to equal S-2 on your mechanical S meter and so on until you are
>>>> finished setting each
>>> level.
>>>>
>>>> Note per instructions S-9+60 stays at 0. I did put a calibrated
>>>> signal in for S-9 and the Mechanical S METER ON THE RADIO reads
>>>> S-9. So the Cal process appears to work. I checked it on 20, 40 and
>>>> 80 and got S-9 on the cal signal. KE4WY Jim
>>>> _____
>>>> -----Original Message----- From: orion565@yahoogroups.com

>>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
>>>> <javascript:parent.wgMail.openComposeWindow(
>>>> 'orion565@yahoogroups.com
>>>> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com')>
>>>> ')> [mailto: orion565@...m
>>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
>>>> <javascript:parent.wgMail.openComposeWindow(
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>>>> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com')>
>>>> ')>] On Behalf Of Jerry Rogers Sent: Friday, December 21, 2012
>>>> 6:19 AM To: orion565@yahoogroups.com
>>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
>>>> <javascript:parent.wgMail.openComposeWindow(
>>>> 'orion565@yahoogroups.com
>>>> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com')>
>>>> ')> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa
>>>> posted Does this S-meter adjustment mean you have to insert a
>>>> calibrated signal, and then adjust your menu settings? Jerry, ki4ps
>>>> On Dec 20, 2012, at 7:55 PM, Jim <pywacker@...> wrote:
>>>>> George it is under downloads along with the "S" meter cal
>>>>> procedure. The update went fine. Something I noticed after the
>>>>> update is the "S"
>>>> meter
>>>>> Appears to be in fast AGC whether the AGC is set to Slow, Medium
>>>>> or
>>> Fast.
>>>>>
>>>>> KE4WY Jim Sent from my Verizon Wireless 4G LTE DROID George
>>>>> <goofyham@...> wrote:
>>>>>> I went to the TT WEB page and could not find anything referring
>>>>>> to "download" for the 566? Where is it? Thanks.
>>>>>>
>>>>>> George W2YJ
>>>>>>
>>>>>> From: orion565@yahoogroups.com
>>>>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
>>>>>> <javascript:parent.wgMail.openComposeWindow(
>>>>>> 'orion565@yahoogroups.com
>>>>>> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com')>
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>>>>>> Of John Sent: Thursday, December 20, 2012 4:53 PM To:
>>>>>> orion565@yahoogroups.com
>>>>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
>>>>>> <javascript:parent.wgMail.openComposeWindow(

>>>>>> 'orion565@yahoogroups.com
>>>>>> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com')>
>>>>>> ')> Subject: [orion565] Orion II Model 566 Version 3.033xa posted
>>>>>>
>>>>>>
>>>>>>
>>>>>> Just posted an update on the TenTec web page for the Orion II
>>>>>> Model
>>> 566.
>>>>>>
>>>>>> Version 3.033xa December 20, 2012 Added S-Meter Calibration The
>>>>>> procedure is downloaded with the 3.033xa update, There is a
>>>>>> start-menu link. e.g. in Windows, click on Start, All-Programs,
>>>>>> Ten-Tec, OrionII Firmware Update, then look for the file S-Meter
>>>>>> 565 566 Calibration Procedure Corrected Sweep alignment in LSB
>>>>>> Corrected SAF/Notch setting after power up. The procedure is not
>>>>>> necessary, but allows those that want the S-Meter readout to be
>>>>>> as exact as they can get it, they can adjust it. It is actually
>>>>>> adjusting the voltage level to the meter,
> e.g.
>>>>>> when the software detects an S-9, it will look up the value in
>>>>>> this table and use it to
>>>> drive
>>>>>> the meter. It does not adjust what is read by the software, an S9
>>>>>> is
>>>> still
>>>>>> an S9 in the software. Thanks, and 73, John Henry, KI4JPL TenTec
>>>>>> Engineering
>>>>>>
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>>>>>> [Non-text portions of this message have been removed]
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>>>>>> ------------------------------------
>>>>>> Yahoo! Groups Links
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>>> Yahoo! Groups Links
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> Yahoo! Groups Links

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<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com')>
')>

<javascript:parent.wgMail.openComposeWindow(
'ygroupsnotifications@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('\'ygroupsnotifications@yahoogroups.com')>
')>

[Non-text portions of this message have been removed]

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<javascript:parent.wgMail.openComposeWindow('\'ygroupsnotifications@yahoogroups.com')>

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[Non-text portions of this message have been removed]

8916. RE: [orion565] Re: Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 14:17:37 UTC
From: George
Topic: 8875 Message: 8916

John;

Don't worry. Enjoy the Holidays.

Fixing the 3.033 can wait till January 2, 2013. J

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John
Sent: Sunday, December 23, 2012 8:35 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion II Model 566 Version 3.033xa posted

Floyd and Jim,

If you guys think something is wrong, then I need to look at it some more. I may have missed something obvious or not so obvious to me.
Thank you for your inputs, it will help correct whatever is wrong.
Will let you know if I do find something specific.

Thanks, and best regards, and of course, 73
John Henry, KI4JPL
TenTec Engineering

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "Jim" <pywacker@...> wrote:
>
> John, same here as Floyd describes.
> We have went back to 3.029.
>
> KE4WY Jim
>
> -----Original Message-----
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
> Of floydsense
> Sent: Saturday, December 22, 2012 5:38 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] Re: Orion II Model 566 Version 3.033xa posted
>
> Hello John. I believe everything you've said regarding what you observed on
> the AGC action on your Orions. Now, I expect you to return the favor and
> respectfully admit that there's clearly something going on here that isn't
> right.

>
> I assure you that I'm not your normal dumb-ass Orion owner - I've been at
> this game for over 50 years now and when I tell you that the AGC is NOT
> operating properly it isn't. I spent considerable time checking this out
> without watching the S meter. With the AGC parameters I use, I can
> certainly tell the difference between fast and slow AGC.
>
> On my Orion II, adjusting the AGC hang parameter (let's just focus on SLOW
> AGC for now) clearly results in a variable hang and the S meter can be
used
> to verify that. With the new version installed, adjusting the hang value
> made no difference whatever, no matter how large a value was set. I hope
> that's enough of an explanation of how the AGC is operating improperly. If
> you'd like me to try something else and observe how that effects
operation,
> please let me know.
>
> You might also consider that more than one of us observed exactly the same
> problem after installing the new version. In my case, falling back to the
> previous version resulted in a return to normal AGC operation.
>
> 73, Floyd - K8AC
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
"John" <jhenry@> wrote:
> >
> > I went in to work today to measure the new version and the previous
> version AGC, and they measure identical. They sound identical. I did this
on
> two units, and swapped the versions back and forth and could not measure
or
> detect anything different in how the AGC operation worked. If someone has
an
> exact measured difference that they can provide, then I will look at it
some
> more.
> >
> > But, just because the s-meter appears to work differently now does not
> mean that the rest of the rig is working improperly.
> >
> > The AGC action is identical as measured in the lab and on the air.
> >
> > Changing hang causes the hang time to change, measured, verified.
> > Changing decay does the same.
> > Both 3.033xa and the previous released version I measured identical.
> >
> > If someone can identify an exact difference, then I can work on it, but
> the code was not changed in this area. So it should operate exactly the
> same.
> >

> > Thanks, and 73,
> > John Henry, KI4JPL
> > TenTec Engineering
> >
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> ------------------------------------
>
>
> Yahoo! Groups Links
>

[Non-text portions of this message have been removed]

8917. Normal Dumb Ass Orion owner has question about upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 15:16:53 UTC
From: k7fd
Topic: 8917 Message: 8917

Hi All,

OK I uploaded the latest upgrade just to see what all the commotion is about...and I have all day to play with it, HI.

I put all the DEFAULT values in that were listed. Is that what I'm supposed to do, since I don't have a reference signal to generate so many db of signal.

Putting in the default numbers appears to make the S meter very 'HOT' and it bangs against the peg with strong signals. So what should I back off in that long list of numbers...

Lost in space,

John K7FD, Dumb Ass Orion Owners Club, Member #1

8920. RE: [orion565] Re: Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 15:22:56 UTC
From: George
Topic: 8875 Message: 8920

Yes, I went back to the TT page and couldn’t find the version you mentioned. J

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of wolfmanjack@...
Sent: Sunday, December 23, 2012 9:04 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Orion II Model 566 Version 3.033xa posted

aha! Thanks...

And Season's Greeting to you and all Orioneer's!

73 John K7FD

On Sun, Dec 23, 2012 at 5:57 AM, Sam W Jacobs CET wrote:

Something John and I are working on.
Version 3.031 was a special beta release to me.
Sorry, perhaps should have been in a private message. (no top secrets)

73 !

Sam
K3SAM

From: " wolfmanjack@... <mailto:wolfmanjack%40charter.net>
<javascript:parent.wgMail.openComposeWindow('wolfmanjack@...
<mailto:%27wolfmanjack%40charter.net> ')>
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To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<javascript:parent.wgMail.openComposeWindow('orion565@...m
<mailto:%27orion565%40yahoogroups.com> ')>
Sent: Sunday, December 23, 2012 8:53 AM
Subject: Re: [orion565] Re: Orion II Model 566 Version 3.033xa posted

Click? Pop? What click and pop? And I don't even see 3.031 as an available download...

John K7FD

On Sat, Dec 22, 2012 at 8:13 PM, Sam W Jacobs CET wrote:

You went into work on Saturday to do this ? That is dedication !
Thanks for checking. Now that I know this I will go ahead and install
3.033xa.
While I'm at it John, I'll give you a "pop / click" update using the new
software
as I'm still on 3.031 for the O2.

73 !

Sam
K3SAM

From: John < jhenry@... <mailto:jhenry%40tentec.com>
<javascript:parent.wgMail.openComposeWindow('jhenry@tentec.com
<mailto:%27jhenry%40tentec.com> ')>
<javascript:parent.wgMail.openComposeWindow('jhenry@... <mailto:%27jhenry%40tentec.com>
<javascript:parent.wgMail.openComposeWindow('\'jhenry@... <mailto:%27jhenry%40tentec.com>
')> ')>
>
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
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<mailto:%27orion565%40yahoogroups.com>
<javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
')>
Sent: Saturday, December 22, 2012 3:51 PM
Subject: [orion565] Re: Orion II Model 566 Version 3.033xa posted

I went in to work today to measure the new version and the previous
version AGC, and they measure identical. They sound identical. I did
this on two units, and swapped the versions back and forth and could not
measure or detect anything different in how the AGC operation worked. If
someone has an exact measured difference that they can provide, then I
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Changing hang causes the hang time to change, measured, verified.
Changing decay does the same.
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If someone can identify an exact difference, then I can work on it, but
the code was not changed in this area. So it should operate exactly the
same.

Thanks, and 73,
John Henry, KI4JPL

TenTec Engineering

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com>
<javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
')>
, "George" <goofyham@...> wrote:
>
> I went back to the previous version, 3.029 till the AGC disruption
> gets resolved. George W2YJ -----Original Message----- From:
> orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com>
> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
> ')> [mailto: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com>
> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
> ')>] On Behalf Of Jerry Rogers Sent: Friday, December 21, 2012 9:33
> AM To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com>
> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
> ')> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa posted
> Can you still go into the menu and adjust the AGC delays, etc.????
> Maybe I will hold off until this issue is resolved.
> Jerry, ki4ps
> On Dec 21, 2012, at 8:41 AM, Jim <pywacker@...> wrote:
>> George, same here. KE4WY Jim Sent from my Verizon Wireless 4G LTE
>> DROID George <goofyham@...> wrote:
>>> I did the upgrade and calibration and now the S-Meter seems to
>>> follow fast AGC? What happened to slow operating S-Meter? George
>>> W2YJ
>>> -----Original Message----- From: orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>
>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>

>>> <javascript:parent.wgMail.openComposeWindow(
>>> 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
>>> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
>>> ')> [mailto: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
>>> <javascript:parent.wgMail.openComposeWindow(
>>> 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
>>> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
>>> ')>] On Behalf Of Jerry Rogers Sent: Friday, December 21, 2012 6:46
>>> AM To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
>>> <javascript:parent.wgMail.openComposeWindow(
>>> 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
>>> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
>>> ')> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa
>>> posted Thanks Jim: That's the way I read the instructions, but just
>>> wanted to check. Again, thanks Jerry, ki4ps
>>> On Dec 21, 2012, at 6:44 AM, "Jim" <pywacker@...> wrote:
>>>> Jerry, no, when you go to S1 in the menu use the multi knob to
>>>> adjust the menu number for S1 to equal S1 on your mechanical
>>>> S-METER, go to S-2 in the menu and adjust with the multi knob S-2
>>>> to equal S-2 on your mechanical S meter and so on until you are
>>>> finished setting each
>>> level.
>>>>
>>>> Note per instructions S-9+60 stays at 0. I did put a calibrated
>>>> signal in for S-9 and the Mechanical S METER ON THE RADIO reads
>>>> S-9. So the Cal process appears to work. I checked it on 20, 40 and
>>>> 80 and got S-9 on the cal signal. KE4WY Jim
>>>> _____
>>>> -----Original Message----- From: orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>
>>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
>>>> <javascript:parent.wgMail.openComposeWindow(
>>>> 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
>>>> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
>>>> ')> [mailto: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
>>>> <javascript:parent.wgMail.openComposeWindow(
>>>> 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
>>>> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>

>>>> ')>] On Behalf Of Jerry Rogers Sent: Friday, December 21, 2012
>>>> 6:19 AM To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
>>>> <javascript:parent.wgMail.openComposeWindow(
>>>> 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
>>>> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
>>>> ')> Subject: Re: [orion565] Orion II Model 566 Version 3.033xa
>>>> posted Does this S-meter adjustment mean you have to insert a
>>>> calibrated signal, and then adjust your menu settings? Jerry, ki4ps
>>>> On Dec 20, 2012, at 7:55 PM, Jim <pywacker@...> wrote:
>>>>> George it is under downloads along with the "S" meter cal
>>>>> procedure. The update went fine. Something I noticed after the
>>>>> update is the "S"
>>>> meter
>>>>> Appears to be in fast AGC whether the AGC is set to Slow, Medium
>>>>> or
>>> Fast.
>>>>>
>>>>> KE4WY Jim Sent from my Verizon Wireless 4G LTE DROID George
>>>>> <goofyham@...> wrote:
>>>>>> I went to the TT WEB page and could not find anything referring
>>>>>> to "download" for the 566? Where is it? Thanks.
>>>>>>
>>>>>> George W2YJ
>>>>>>
>>>>>> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>>>>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
>>>>>> <javascript:parent.wgMail.openComposeWindow(
>>>>>> 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
>>>>>> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
>>>>>> ')> [mailto: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>>>>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
>>>>>> <javascript:parent.wgMail.openComposeWindow(
>>>>>> 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
>>>>>> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
>>>>>> ')>] On
>>>> Behalf
>>>>>> Of John Sent: Thursday, December 20, 2012 4:53 PM To:
>>>>>> orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>>>>>> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
>>>>>> <javascript:parent.wgMail.openComposeWindow(
>>>>>> 'orion565@yahoogroups.com <mailto:%27orion565%40yahoogroups.com>
>>>>>> <javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com

<mailto:%27orion565%40yahoogroups.com> ')>
>>>>>> ')> Subject: [orion565] Orion II Model 566 Version 3.033xa posted
>>>>>>
>>>>>>
>>>>>>
>>>>>> Just posted an update on the TenTec web page for the Orion II
>>>>>> Model
>>> 566.
>>>>>>
>>>>>> Version 3.033xa December 20, 2012 Added S-Meter Calibration The
>>>>>> procedure is downloaded with the 3.033xa update, There is a
>>>>>> start-menu link. e.g. in Windows, click on Start, All-Programs,
>>>>>> Ten-Tec, OrionII Firmware Update, then look for the file S-Meter
>>>>>> 565 566 Calibration Procedure Corrected Sweep alignment in LSB
>>>>>> Corrected SAF/Notch setting after power up. The procedure is not
>>>>>> necessary, but allows those that want the S-Meter readout to be
>>>>>> as exact as they can get it, they can adjust it. It is actually
>>>>>> adjusting the voltage level to the meter,
> e.g.
>>>>>> when the software detects an S-9, it will look up the value in
>>>>>> this table and use it to
>>>> drive
>>>>>> the meter. It does not adjust what is read by the software, an S9
>>>>>> is
>>>> still
>>>>>> an S9 in the software. Thanks, and 73, John Henry, KI4JPL TenTec
>>>>>> Engineering
>>>>>>
>>>>>>
>>>>>>
>>>>>> [Non-text portions of this message have been removed]
>>>>>>
>>>>>> ------------------------------------
>>>>>> Yahoo! Groups Links
>>>>>>
>>>>>
>>>>> [Non-text portions of this message have been removed]
>>>>
>>>> [Non-text portions of this message have been removed]
>>>> ------------------------------------ Yahoo! Groups Links
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>>> [Non-text portions of this message have been removed]
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>>> Yahoo! Groups Links
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>>> Yahoo! Groups Links
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>> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
>
> ------------------------------------
> Yahoo! Groups Links

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com>
<javascript:parent.wgMail.openComposeWindow('\'orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
')>

<javascript:parent.wgMail.openComposeWindow(
'ygroupsnotifications@yahoogroups.com <mailto:%27ygroupsnotifications%40yahoogroups.com>
<javascript:parent.wgMail.openComposeWindow('\'ygroupsnotifications@yahoogroups.com
<mailto:%27ygroupsnotifications%40yahoogroups.com> ')>
')>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('\'ygroupsnotifications@yahoogroups.com
<mailto:%27ygroupsnotifications%40yahoogroups.com> ')>

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com
<mailto:%27ygroupsnotifications%40yahoogroups.com> ')>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8923. Re: Normal Dumb Ass Orion owner has question about upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 15:27:23 UTC
From: Mark
Topic: 8917 Message: 8923

Hi John,

Some questions:

- ORION or ORION II?
- current fw version
- previous fw version

- what kind of (RX) antenna do you use?
- which bands do you prefer?

73 Mark, PA5MW (owning both O (since 2004) and O2 (since 2012)

> Putting in the default numbers appears to make the S meter very 'HOT' and it bangs against the peg with strong signals. So what should I back off in that long list of numbers...
>
> Lost in space,
>
> John K7FD, Dumb Ass Orion Owners Club, Member #1
>

8924. RE: [orion565] Re: Normal Dumb Ass Orion owner has question about upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 15:30:54 UTC
From: wolfmanjack@charter.net
Topic: 8917 Message: 8924

Hi Mark,

Orion II, purchased new in 2012

Was running 3.029
Now running 3.033

80 meter dipole at 50'
40 meter half wave sloper at 55'
3 element Mosley TA-33 yagi at 55' for 20/15/10

I operate primarly 40 meter cw, and to a lesser extent 20/15/10.

73 John K7FD

On Sun, Dec 23, 2012 at 7:27 AM, Mark wrote:

Hi John,

Some questions:

- ORION or ORION II?
- current fw version
- previous fw version

- what kind of (RX) antenna do you use?
- which bands do you prefer?

73 Mark, PA5MW (owning both O (since 2004) and O2 (since 2012)

> Putting in the default numbers appears to make the S meter very 'HOT'
> and it bangs against the peg with strong signals. So what should I
> back off in that long list of numbers...
> Lost in space,
> John K7FD, Dumb Ass Orion Owners Club, Member #1

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

8926. Re: Normal Dumb Ass Orion owner has question about upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 15:45:59 UTC
From: Mark
Topic: 8917 Message: 8926

Hello John,

I may have jumped in too quickly here, since there's a brand new 3.033 fw version. I have no experience with that yet and have just read the first comments.

But let me share some AGC settings I currently use on V3.029 (OII)

Slow:
00.51s
10dB/s
01.00uV

MED:
00.12s
40dB/s
01.00uV

FAST:
00.04s
80dB/s
01.00uV

PROG:
0.08s
21dB/s
00.70uV

AGC setting is never above 92.

Above settings is what works fb with my small backyard RX antennas for 160m, CW only. However; the SLOW settings above are for Phone 80m ragchew and AM BCB.

73 Mark, PA5MW

--- In orion565@yahoogroups.com, wolfmanjack@... wrote:
>
>
> Hi Mark,
>
> Orion II, purchased new in 2012
>
> Was running 3.029
> Now running 3.033
>
> 80 meter dipole at 50'
> 40 meter half wave sloper at 55'
> 3 element Mosley TA-33 yagi at 55' for 20/15/10

>
> I operate primarly 40 meter cw, and to a lesser extent 20/15/10.
>
> 73 John K7FD
>
> On Sun, Dec 23, 2012 at 7:27 AM, Mark wrote:
>
> Hi John,
>
> Some questions:
>
> - ORION or ORION II?
> - current fw version
> - previous fw version
>
> - what kind of (RX) antenna do you use?
> - which bands do you prefer?
>
> 73 Mark, PA5MW (owning both O (since 2004) and O2 (since 2012)
>
> > Putting in the default numbers appears to make the S meter very 'HOT'
> > and it bangs against the peg with strong signals. So what should I
> > back off in that long list of numbers...
> > Lost in space,
> > John K7FD, Dumb Ass Orion Owners Club, Member #1
>
>
> <javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>
>
>
> [Non-text portions of this message have been removed]
>

8927. RE: [orion565] Re: Normal Dumb Ass Orion owner has question about upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 15:47:22 UTC
From: wolfmanjack@charter.net
Topic: 8917 Message: 8927

OK Mark...yes, I was looking for some 'numbers' to plug into new S meter adjustment available in 3.033 thanks!

John

On Sun, Dec 23, 2012 at 7:45 AM, Mark wrote:

Hello John,

I may have jumped in too quickly here, since there's a brand new 3.033 fw version. I have no experience with that yet and have just read the first comments.

But let me share some AGC settings I currently use on V3.029 (OII)

Slow:
00.51s
10dB/s
01.00uV

MED:
00.12s
40dB/s
01.00uV

FAST:
00.04s
80dB/s
01.00uV

PROG:
0.08s
21dB/s
00.70uV

AGC setting is never above 92.

Above settings is what works fb with my small backyard RX antennas for 160m, CW only.
However; the SLOW settings above are for Phone 80m ragchew and AM BCB.

73 Mark, PA5MW

--- In orion565@yahoogroups.com <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>, wolfmanjack@... wrote:
>

>
> Hi Mark,
> Orion II, purchased new in 2012
> Was running 3.029 Now running 3.033
> 80 meter dipole at 50' 40 meter half wave sloper at 55' 3 element
> Mosley TA-33 yagi at 55' for 20/15/10
> I operate primarly 40 meter cw, and to a lesser extent 20/15/10.
> 73 John K7FD
> On Sun, Dec 23, 2012 at 7:27 AM, Mark wrote:
> Hi John,
> Some questions:
> - ORION or ORION II? - current fw version - previous fw version
> - what kind of (RX) antenna do you use? - which bands do you prefer?
> 73 Mark, PA5MW (owning both O (since 2004) and O2 (since 2012)
>> Putting in the default numbers appears to make the S meter very 'HOT'
>> and it bangs against the peg with strong signals. So what should I
>> back off in that long list of numbers... Lost in space, John K7FD,
>> Dumb Ass Orion Owners Club, Member #1
>
>
> <javascript:parent.wgMail.openComposeWindow(
> 'ygroupsnotifications@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('\'ygroupsnotifications@yahoogroups.com')>
> ')>
>
> [Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('\'ygroupsnotifications@yahoogroups.com')>

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

8928. Re: [orion565] Normal Dumb Ass Orion owner has question about upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 16:11:48 UTC
From: Luther Phillips
Topic: 8917 Message: 8928

Hi John:

The "default" values are what appears on the screen when you go into the adjustment menu. Instead of rotating the MULTI knob to match what is on the procedure table, simply look at your S-meter for each menu line and adjust the MULTI knob so that the meter reading matches the menu line. Example: Rotate VFO A knob to highlight S-0, then adjust MULTI so that your S-meter reads S-0, then rotate VFO A to highlight S-1, adjust MULTI so that your meter reads S-1, and so on up the scale. Here are the counts I ended up with on my OII:

S0 0
S1 9
S2 14
S3 19
S4 23
S5 27
S6 32
S7 36
S8 42
S9 48
+10 55
+20 63
+30 73
+40 83
+50 96
+60 Leave at 0

All my readings ended up being quite a bit less than the ones listed on the table, and less than what was already on the menu screen.

I'll also add that adjusting AGC hang, etc. still affects the receiver on my OII as expected, but does not affect the behavior of the S-meter. I'm not detecting any issues with the AGC hang as some others have reported. I normally do not use any hang time, so it's not a big issue either way.

Can I lay claim to being Dumb Ass Orion Owner Club Member#2?

Good luck & 73,
Luther N4UW

----- Original Message -----
From: "k7fd" <wolfmanjack@...>
To: <orion565@yahoogroups.com>
Sent: Sunday, December 23, 2012 10:16 AM

Subject: [orion565] Normal Dumb Ass Orion owner has question about upgrade

> Hi All,
>
> OK I uploaded the latest upgrade just to see what all the commotion is
> about...and I have all day to play with it, HI.
>
> I put all the DEFAULT values in that were listed. Is that what I'm
> supposed to do, since I don't have a reference signal to generate so many
> db of signal.
>
> Putting in the default numbers appears to make the S meter very 'HOT' and
> it bangs against the peg with strong signals. So what should I back off in
> that long list of numbers...
>
> Lost in space,
>
> John K7FD, Dumb Ass Orion Owners Club, Member #1
>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>

8929. Re: [orion565] Normal Dumb Ass Orion owner has question about upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 16:23:42 UTC
From: wolfmanjack@charter.net
Topic: 8917 Message: 8929

OK, that makes logical sense...thanks! D'oh!

73 John K7FD

On Sun, Dec 23, 2012 at 8:11 AM, Luther Phillips wrote:

Hi John:

The "default" values are what appears on the screen when you go into the adjustment menu. Instead of rotating the MULTI knob to match what is on the
procedure table, simply look at your S-meter for each menu line and adjust
the MULTI knob so that the meter reading matches the menu line. Example: Rotate VFO A knob to highlight S-0, then adjust MULTI so that your S-meter
reads S-0, then rotate VFO A to highlight S-1, adjust MULTI so that your meter reads S-1, and so on up the scale. Here are the counts I ended up with
on my OII:

S0 0
S1 9
S2 14
S3 19
S4 23
S5 27
S6 32
S7 36
S8 42
S9 48
+10 55
+20 63
+30 73
+40 83
+50 96
+60 Leave at 0

All my readings ended up being quite a bit less than the ones listed on the
table, and less than what was already on the menu screen.

I'll also add that adjusting AGC hang, etc. still affects the receiver on my
OII as expected, but does not affect the behavior of the S-meter. I'm

not
detecting any issues with the AGC hang as some others have reported. I
normally do not use any hang time, so it's not a big issue either way.

Can I lay claim to being Dumb Ass Orion Owner Club Member#2?

Good luck & 73,
Luther N4UW

----- Original Message -----
From: "k7fd" < wolfmanjack@...
<javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>
>
To: < orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
>
Sent: Sunday, December 23, 2012 10:16 AM
Subject: [orion565] Normal Dumb Ass Orion owner has question about
upgrade

> Hi All,
> OK I uploaded the latest upgrade just to see what all the commotion is
> about...and I have all day to play with it, HI.
> I put all the DEFAULT values in that were listed. Is that what I'm
> supposed to do, since I don't have a reference signal to generate so
> many db of signal.
> Putting in the default numbers appears to make the S meter very 'HOT'
> and it bangs against the peg with strong signals. So what should I
> back off in that long list of numbers...
> Lost in space,
> John K7FD, Dumb Ass Orion Owners Club, Member #1
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>

<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

8930. Uploaded, calibrated, happy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 16:37:48 UTC
From: wolfmanjack@charter.net
Topic: 8930 Message: 8930

Thanks for eveyone's guidance, looks like I'm set up now. S meter is definitely 'lively' I would say, not much dampening action but definitely does not affect AGC on my Orion II. AGC responds the same as it always did when switching from slow, medium, fast...

S0 0
S1 11
S2 17
S3 23
S4 25
S5 33
S6 38
S7 43
S8 49
S9 56
+10 64
+20 74
+30 85
+40 98
+50 115
+60 0

73 John K7FD

On Sun, Dec 23, 2012 at 8:23 AM, wolfmanjack@... wrote:

OK, that makes logical sense...thanks! D'oh!

73 John K7FD

On Sun, Dec 23, 2012 at 8:11 AM, Luther Phillips wrote:

Hi John:

The "default" values are what appears on the screen when you go into the adjustment menu. Instead of rotating the MULTI knob to match what is on the
procedure table, simply look at your S-meter for each menu line and adjust
the MULTI knob so that the meter reading matches the menu line. Example: Rotate VFO A knob to highlight S-0, then adjust MULTI so that your S-meter
reads S-0, then rotate VFO A to highlight S-1, adjust MULTI so that your meter reads S-1, and so on up the scale. Here are the counts I ended up with
on my OII:

S0 0
S1 9
S2 14
S3 19
S4 23
S5 27
S6 32
S7 36
S8 42
S9 48
+10 55
+20 63
+30 73
+40 83
+50 96
+60 Leave at 0

All my readings ended up being quite a bit less than the ones listed on
the
table, and less than what was already on the menu screen.

I'll also add that adjusting AGC hang, etc. still affects the receiver
on my
OII as expected, but does not affect the behavior of the S-meter. I'm
not
detecting any issues with the AGC hang as some others have reported. I
normally do not use any hang time, so it's not a big issue either way.

Can I lay claim to being Dumb Ass Orion Owner Club Member#2?

Good luck & 73,
Luther N4UW

-

[Non-text portions of this message have been removed]

8931. RE: [orion565] Uploaded, calibrated, happy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 20:31:59 UTC
From: George
Topic: 8930 Message: 8931

WOW John, that's not how I found my

S meter responding? I found it to be responding as if in fast AGC all the time independent of AGC setting.

Before the upgrade, in slow AGC, it would remain reading high and slowly return to 0 S units per the way I had my slow AGC set up with 3.82 seconds, 20db/s and 38.30uv.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of wolfmanjack@...
Sent: Sunday, December 23, 2012 11:38 AM
To: orion565@yahoogroups.com
Subject: [orion565] Uploaded, calibrated, happy

Thanks for eveyone's guidance, looks like I'm set up now. S meter is definitely 'lively' I would say, not much dampening action but definitely does not affect AGC on my Orion II. AGC responds the same as it always did when switching from slow, medium, fast...

S0 0
S1 11
S2 17
S3 23
S4 25
S5 33
S6 38
S7 43
S8 49
S9 56
+10 64
+20 74
+30 85
+40 98
+50 115
+60 0

73 John K7FD

On Sun, Dec 23, 2012 at 8:23 AM, wolfmanjack@... <mailto:wolfmanjack%40charter.net> wrote:

OK, that makes logical sense...thanks! D'oh!

73 John K7FD

On Sun, Dec 23, 2012 at 8:11 AM, Luther Phillips wrote:

Hi John:

The "default" values are what appears on the screen when you go into the adjustment menu. Instead of rotating the MULTI knob to match what is on the
procedure table, simply look at your S-meter for each menu line and adjust
the MULTI knob so that the meter reading matches the menu line. Example: Rotate VFO A knob to highlight S-0, then adjust MULTI so that your S-meter
reads S-0, then rotate VFO A to highlight S-1, adjust MULTI so that your meter reads S-1, and so on up the scale. Here are the counts I ended up with
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S7 36
S8 42
S9 48
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All my readings ended up being quite a bit less than the ones listed on the
table, and less than what was already on the menu screen.

I'll also add that adjusting AGC hang, etc. still affects the receiver on my
OII as expected, but does not affect the behavior of the S-meter. I'm not
detecting any issues with the AGC hang as some others have reported. I normally do not use any hang time, so it's not a big issue either way.

Can I lay claim to being Dumb Ass Orion Owner Club Member#2?

Good luck & 73,
Luther N4UW

-

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[Non-text portions of this message have been removed]

8932. Re: [orion565] Uploaded, calibrated, happy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 21:05:44 UTC
From: K Van Horn
Topic: 8930 Message: 8932

Hi Luther,
If you insist on being #2 then I guess that means that I am definitely #3.
Merry Christmas ALL!
Kirby, k7ec

From: wolfmanjack@...
Sent: Sunday, December 23, 2012 9:37 AM
To: orion565@yahoogroups.com
Subject: [orion565] Uploaded, calibrated, happy

Thanks for eveyone's guidance, looks like I'm set up now. S meter is
definitely 'lively' I would say, not much dampening action but
definitely does not affect AGC on my Orion II. AGC responds the same as
it always did when switching from slow, medium, fast...

S0 0
S1 11
S2 17
S3 23
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S6 38
S7 43
S8 49
S9 56
+10 64
+20 74
+30 85
+40 98
+50 115
+60 0

73 John K7FD

On Sun, Dec 23, 2012 at 8:23 AM, mailto:wolfmanjack%40charter.net wrote:

OK, that makes logical sense...thanks! D'oh!

73 John K7FD

On Sun, Dec 23, 2012 at 8:11 AM, Luther Phillips wrote:

Hi John:

The "default" values are what appears on the screen when you go into the
adjustment menu. Instead of rotating the MULTI knob to match what is on
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procedure table, simply look at your S-meter for each menu line and
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the MULTI knob so that the meter reading matches the menu line. Example:
Rotate VFO A knob to highlight S-0, then adjust MULTI so that your
S-meter
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S4 23
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Good luck & 73,
Luther N4UW

-

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

8933. RE: [orion565] Uploaded, calibrated, happy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 21:58:06 UTC
From: wolfmanjack@charter.net
Topic: 8930 Message: 8933

Hi George!

Let me clarify; I think we are seeing the same thing. After the upgrade to 3.033, the S meter indeed moves quickly, like it is in fast AGC. I used the term lively, but would agree with you...

That said, if I don't look at the meter movement and just listen to the receiver as I switch through the default slow, fast, and medium AGC, I can hear a different AGC action for each position. The meter response and movement, however, remains constant and does not change no matter what the AGC postition. So the AGC selections are working normally...

...but slow, medium, and fast is not relected in the meter movement. As you say, looks like it's in fast AGC all the time!

And I think I'd like to see the meter movement correspond to slow, medium, and fast, too! But for now, good 'nuff...

73 John K7FD

On Sun, Dec 23, 2012 at 12:31 PM, George wrote:

WOW John, that's not how I found my

S meter responding? I found it to be responding as if in fast AGC all the
time independent of AGC setting.

Before the upgrade, in slow AGC, it would remain reading high and slowly return to 0 S units per the way I had my slow AGC set up with 3.82 seconds,
20db/s and 38.30uv.

George W2YJ

From: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
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] On Behalf
Of wolfmanjack@...
<javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>
Sent: Sunday, December 23, 2012 11:38 AM
To: orion565@yahoogroups.com
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Subject: [orion565] Uploaded, calibrated, happy

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S1 11
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73 John K7FD

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Good luck & 73,
Luther N4UW

-

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<javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

8934. RE: [orion565] Uploaded, calibrated, happy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 22:05:40 UTC
From: George
Topic: 8930 Message: 8934

John;

Yes I see what you see hi. J

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of wolfmanjack@...
Sent: Sunday, December 23, 2012 4:58 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Uploaded, calibrated, happy

Hi George!

Let me clarify; I think we are seeing the same thing. After the upgrade to 3.033, the S meter indeed moves quickly, like it is in fast AGC. I used the term lively, but would agree with you...

That said, if I don't look at the meter movement and just listen to the receiver as I switch through the default slow, fast, and medium AGC, I can hear a different AGC action for each position. The meter response and movement, however, remains constant and does not change no matter what the AGC postition. So the AGC selections are working normally...

...but slow, medium, and fast is not relected in the meter movement. As you say, looks like it's in fast AGC all the time!

And I think I'd like to see the meter movement correspond to slow, medium, and fast, too! But for now, good 'nuff...

73 John K7FD

On Sun, Dec 23, 2012 at 12:31 PM, George wrote:

WOW John, that's not how I found my

S meter responding? I found it to be responding as if in fast AGC all the
time independent of AGC setting.

Before the upgrade, in slow AGC, it would remain reading high and slowly return to 0 S units per the way I had my slow AGC set up with 3.82 seconds,
20db/s and 38.30uv.

George W2YJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com

<mailto:%27orion565%40yahoogroups.com> ')>
[mailto: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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] On Behalf
Of wolfmanjack@... <mailto:wolfmanjack%40charter.net>
<javascript:parent.wgMail.openComposeWindow('wolfmanjack@...
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Sent: Sunday, December 23, 2012 11:38 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com
<mailto:%27orion565%40yahoogroups.com> ')>
Subject: [orion565] Uploaded, calibrated, happy

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+20 74
+30 85
+40 98
+50 115
+60 0

73 John K7FD

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<javascript:parent.wgMail.openComposeWindow('wolfmanjack@...
<mailto:%27wolfmanjack%40charter.net> ')>
<mailto:wolfmanjack%40charter.net> wrote:

OK, that makes logical sense...thanks! D'oh!

73 John K7FD

On Sun, Dec 23, 2012 at 8:11 AM, Luther Phillips wrote:

Hi John:

The "default" values are what appears on the screen when you go into the adjustment menu. Instead of rotating the MULTI knob to match what is on the
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S5 27
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S9 48
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Can I lay claim to being Dumb Ass Orion Owner Club Member#2?

Good luck & 73,
Luther N4UW

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<javascript:parent.wgMail.openComposeWindow('wolfmanjack@...
<mailto:%27wolfmanjack%40charter.net> ')>

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroup
s.com <mailto:%27ygroupsnotifications%40yahoogroups.com> ')>

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8935. RE: [orion565] Uploaded, calibrated, happy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-23 22:05:39 UTC
From: Jim
Topic: 8930 Message: 8935

Bingo

Sent from my Verizon Wireless 4G LTE DROID

wolfmanjack@... wrote:

>
>Hi George!
>
>Let me clarify; I think we are seeing the same thing. After the upgrade
>to 3.033, the S meter indeed moves quickly, like it is in fast AGC. I
>used the term lively, but would agree with you...
>
>That said, if I don't look at the meter movement and just listen to the
>receiver as I switch through the default slow, fast, and medium AGC, I
>can hear a different AGC action for each position. The meter response
>and movement, however, remains constant and does not change no matter
>what the AGC postition. So the AGC selections are working normally...
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>...but slow, medium, and fast is not relected in the meter movement. As
>you say, looks like it's in fast AGC all the time!
>
>And I think I'd like to see the meter movement correspond to slow,
>medium, and fast, too! But for now, good 'nuff...
>
>73 John K7FD
>
>On Sun, Dec 23, 2012 at 12:31 PM, George wrote:
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> WOW John, that's not how I found my
>
>S meter responding? I found it to be responding as if in fast AGC all
>the
>time independent of AGC setting.
>
>Before the upgrade, in slow AGC, it would remain reading high and slowly
>return to 0 S units per the way I had my slow AGC set up with 3.82
>seconds,
>20db/s and 38.30uv.
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>George W2YJ
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>From: orion565@yahoogroups.com
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>[mailto: orion565@yahoogroups.com
><javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>

>] On Behalf
>Of wolfmanjack@...
><javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>
>Sent: Sunday, December 23, 2012 11:38 AM
>To: orion565@yahoogroups.com
><javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
>Subject: [orion565] Uploaded, calibrated, happy
>
>Thanks for eveyone's guidance, looks like I'm set up now. S meter is
>definitely 'lively' I would say, not much dampening action but
>definitely does not affect AGC on my Orion II. AGC responds the same as
>it always did when switching from slow, medium, fast...
>
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>73 John K7FD
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>OK, that makes logical sense...thanks! D'oh!
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>73 John K7FD
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>On Sun, Dec 23, 2012 at 8:11 AM, Luther Phillips wrote:
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>Hi John:
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>The "default" values are what appears on the screen when you go into the
>adjustment menu. Instead of rotating the MULTI knob to match what is on
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>procedure table, simply look at your S-meter for each menu line and
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>the MULTI knob so that the meter reading matches the menu line. Example:

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>meter reads S-1, and so on up the scale. Here are the counts I ended up
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>All my readings ended up being quite a bit less than the ones listed on
>the
>table, and less than what was already on the menu screen.
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>I'll also add that adjusting AGC hang, etc. still affects the receiver
>on my
>OII as expected, but does not affect the behavior of the S-meter. I'm
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>detecting any issues with the AGC hang as some others have reported. I
>normally do not use any hang time, so it's not a big issue either way.
>
>Can I lay claim to being Dumb Ass Orion Owner Club Member#2?
>
>Good luck & 73,
>Luther N4UW
>
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><javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>
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><javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

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8936. Orion II firmware upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-24 13:23:39 UTC
From: ki4ps
Topic: 4457 Message: 8936

Tried to upgrade my Orion II to the new firmware, and all failed.

My PC uses a serial card for the Omni VII, and the Orion II. My Eagle goes through the same PC via USB.

During the attempted upgrade the computer indicated it was not communicating with the Orion II. However, N4PY software would work, so I knew the radio's com-port was working.

After the radio would not connect I turned it off. When I tried to tune it on again, all it will do is light up the screen with the opening info " Ten Tec"

Power supply was disconnected, then later restarted, master reset was attempted. Nothing worked, so after Christmas a call will go out to TT. I'm sure they will say send it in. Nothing you can do to fix it.

The radio has about 200 hours on it if that.

Jerry, ki4ps

8937. Re: [orion565] Orion II firmware upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-24 14:20:31 UTC
From: Jim
Topic: 4457 Message: 8937

jerry, set it to upgrade again & try again.

Ke4wy Jim

Sent from my Verizon Wireless 4G LTE DROID

ki4ps <ki4ps@...> wrote:

>Tried to upgrade my Orion II to the new firmware, and all failed.
>
>My PC uses a serial card for the Omni VII, and the Orion II. My Eagle goes through the same PC via USB.
>
>During the attempted upgrade the computer indicated it was not communicating with the Orion II. However, N4PY software would work, so I knew the radio's com-port was working.
>
>After the radio would not connect I turned it off. When I tried to tune it on again, all it will do is light up the screen with the opening info " Ten Tec"
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>Power supply was disconnected, then later restarted, master reset was attempted. Nothing worked, so after Christmas a call will go out to TT. I'm sure they will say send it in. Nothing you can do to fix it.
>
>The radio has about 200 hours on it if that.
>
>Jerry, ki4ps
>
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>
>Yahoo! Groups Links
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[Non-text portions of this message have been removed]

8938. Re: [orion565] Orion II firmware upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-24 14:36:07 UTC
From: Luther Phillips
Topic: 4457 Message: 8938

Jerry, another thing you can try is the RAM CLEAR. (hold VFO B LCK button while powering on) If that brings the radio back to life, ignore the "Battery Failure" message, answer the questions about RX-366, etc. Once you get to the main screen, then power down and do the master reset procedure again. If you get that far, confirm the radio is actually working before trying the upgrade again. I ran into the same problem with a friend's Orion 2 when trying to install 3.029 for him, but was able to eventually complete the install.

Good luck!

73,
Luther N4UW

----- Original Message -----
From: "ki4ps" <ki4ps@...>
To: <orion565@yahoogroups.com>
Sent: Monday, December 24, 2012 8:23 AM
Subject: [orion565] Orion II firmware upgrade

> Tried to upgrade my Orion II to the new firmware, and all failed.
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> My PC uses a serial card for the Omni VII, and the Orion II. My Eagle
> goes through the same PC via USB.
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> it on again, all it will do is light up the screen with the opening info "
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> attempted. Nothing worked, so after Christmas a call will go out to TT.
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> The radio has about 200 hours on it if that.
>
> Jerry, ki4ps
>
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>
> Yahoo! Groups Links
>
>
>

8939. Re: [orion565] Orion II firmware upgrade

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-24 16:02:06 UTC
From: Jerry Rogers
Topic: 4457 Message: 8939

Thanks guys for you ASAP input. YES! The Orion II is now back on line.

I found my problem was I grabbed an old USB-Serial adapter. It gave me a com-port, but was not communicating with the radio. I was trying the USB-serial unit because my serial card was not communicating with the firmware program. Only the N4PY software.

I found my new Prolific USB-Serial adapter. Reloaded my old version 3.029, and the radio came back to life.

What a Christmas Present. HI HI.

So, now that my body has calmed down, I might take the plunge and check out the new firmware.

AGAIN, thanks guys.

Jerry, ki4ps

On Dec 24, 2012, at 9:36 AM, "Luther Phillips" <n4uw@chartertn.net> wrote:

> Jerry, another thing you can try is the RAM CLEAR. (hold VFO B LCK button
> while powering on) If that brings the radio back to life, ignore the
> "Battery Failure" message, answer the questions about RX-366, etc. Once you
> get to the main screen, then power down and do the master reset procedure
> again. If you get that far, confirm the radio is actually working before
> trying the upgrade again. I ran into the same problem with a friend's Orion
> 2 when trying to install 3.029 for him, but was able to eventually complete
> the install.
>
> Good luck!
>
> 73,
> Luther N4UW
>
> ----- Original Message -----
> From: "ki4ps" <ki4ps@...>
> To: <orion565@yahoogroups.com>
> Sent: Monday, December 24, 2012 8:23 AM
> Subject: [orion565] Orion II firmware upgrade
>
> > Tried to upgrade my Orion II to the new firmware, and all failed.
> >
> > My PC uses a serial card for the Omni VII, and the Orion II. My Eagle
> > goes through the same PC via USB.
> >
> > During the attempted upgrade the computer indicated it was not
> > communicating with the Orion II. However, N4PY software would work, so I

> > knew the radio's com-port was working.
> >
> > After the radio would not connect I turned it off. When I tried to tune
> > it on again, all it will do is light up the screen with the opening info "
> > Ten Tec"
> >
> > Power supply was disconnected, then later restarted, master reset was
> > attempted. Nothing worked, so after Christmas a call will go out to TT.
> > I'm sure they will say send it in. Nothing you can do to fix it.
> >
> > The radio has about 200 hours on it if that.
> >
> > Jerry, ki4ps
> >
> >
> >
> >
> >
> > ------------------------------------
> >
> >
> > Yahoo! Groups Links
> >
> >
> >
>
>

[Non-text portions of this message have been removed]

8940. Re: Uploaded, calibrated, happy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-27 15:58:12 UTC
From: John
Topic: 8930 Message: 8940

ok, let me get this straight, we are only referring to a problem in how fast the smeter is operating now, and NOT a problem in actual AGC action? Or is there still something amiss in AGC action? Someone claimed none of them made a difference, e.g. fast vs slow, and another said hang is not working at all.
I'll check it all out again when I get back to work on the 2nd.

Thank, and 73, and yes, Merry Christmas and Happy New Year to the Orioneers and the "dumbass club", lol, like that.
Take care,
John Henry, KI4JPL

--- In orion565@yahoogroups.com, wolfmanjack@... wrote:
>
>
> Hi George!
>
> Let me clarify; I think we are seeing the same thing. After the upgrade
> to 3.033, the S meter indeed moves quickly, like it is in fast AGC. I
> used the term lively, but would agree with you...
>
> That said, if I don't look at the meter movement and just listen to the
> receiver as I switch through the default slow, fast, and medium AGC, I
> can hear a different AGC action for each position. The meter response
> and movement, however, remains constant and does not change no matter
> what the AGC postition. So the AGC selections are working normally...
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> ...but slow, medium, and fast is not relected in the meter movement. As
> you say, looks like it's in fast AGC all the time!
>
> And I think I'd like to see the meter movement correspond to slow,
> medium, and fast, too! But for now, good 'nuff...
>
> 73 John K7FD
>
> On Sun, Dec 23, 2012 at 12:31 PM, George wrote:
>
> WOW John, that's not how I found my
>
> S meter responding? I found it to be responding as if in fast AGC all
> the
> time independent of AGC setting.
>
> Before the upgrade, in slow AGC, it would remain reading high and slowly
> return to 0 S units per the way I had my slow AGC set up with 3.82
> seconds,

> 20db/s and 38.30uv.
>
> George W2YJ
>
> From: orion565@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
> [mailto: orion565@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
>] On Behalf
> Of wolfmanjack@...
> <javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>
> Sent: Sunday, December 23, 2012 11:38 AM
> To: orion565@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
> Subject: [orion565] Uploaded, calibrated, happy
>
> Thanks for eveyone's guidance, looks like I'm set up now. S meter is
> definitely 'lively' I would say, not much dampening action but
> definitely does not affect AGC on my Orion II. AGC responds the same as
> it always did when switching from slow, medium, fast...
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> S0 0
> S1 11
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> Hi John:
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> +20 63
> +30 73
> +40 83
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> All my readings ended up being quite a bit less than the ones listed on
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> not
> detecting any issues with the AGC hang as some others have reported. I
> normally do not use any hang time, so it's not a big issue either way.
>
> Can I lay claim to being Dumb Ass Orion Owner Club Member#2?
>
> Good luck & 73,
> Luther N4UW
>
> -
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> [Non-text portions of this message have been removed]
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> <javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>
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> <javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>
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>

8941. RE: [orion565] Re: Uploaded, calibrated, happy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-27 16:06:42 UTC
From: George
Topic: 8930 Message: 8941

John;

The AGC action appears to be working fine on the new (S Meter calibration) firmware but the S Meter is like it's following the fast AGC. Like a meter on steroids, hi.

If I had my druthers, I'd like the S-Meter to follow the AGC like the previous firmware version. Maybe that can be accomplished and retain the current firmware changes?

But to re-iterate, the AGC is working fine.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John
Sent: Thursday, December 27, 2012 10:58 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Uploaded, calibrated, happy

ok, let me get this straight, we are only referring to a problem in how fast the smeter is operating now, and NOT a problem in actual AGC action? Or is there still something amiss in AGC action? Someone claimed none of them made a difference, e.g. fast vs slow, and another said hang is not working at all.
I'll check it all out again when I get back to work on the 2nd.

Thank, and 73, and yes, Merry Christmas and Happy New Year to the Orioneers and the "dumbass club", lol, like that.
Take care,
John Henry, KI4JPL

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> Good luck & 73,
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8942. RE: [orion565] Re: Uploaded, calibrated, happy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-27 16:46:50 UTC
From: wolfmanjack@charter.net
Topic: 8930 Message: 8942

John, George is correct...AGC is fine. But the meter needle moves like it is always on 'fast AGC' no matter whether you are switched to fast, med, slow, prog...

73 John K7FD

On Thu, Dec 27, 2012 at 8:06 AM, George wrote:

John;

The AGC action appears to be working fine on the new (S Meter calibration)
firmware but the S Meter is like it's following the fast AGC. Like a meter
on steroids, hi.

If I had my druthers, I'd like the S-Meter to follow the AGC like the previous firmware version. Maybe that can be accomplished and retain the current firmware changes?

But to re-iterate, the AGC is working fine.

George W2YJ

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] On Behalf
Of John
Sent: Thursday, December 27, 2012 10:58 AM
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<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
Subject: [orion565] Re: Uploaded, calibrated, happy

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there still something amiss in AGC action? Someone claimed none of them made
a difference, e.g. fast vs slow, and another said hang is not working at all.
I'll check it all out again when I get back to work on the 2nd.

Thank, and 73, and yes, Merry Christmas and Happy New Year to the Orioneers

and the "dumbass club", lol, like that.
Take care,
John Henry, KI4JPL

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[Non-text portions of this message have been removed]

8943. Re: [orion565] Re: Uploaded, calibrated, happy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-27 16:53:40 UTC
From: Mike Congleton
Topic: 8930 Message: 8943

The first time I installed 3.033 nothing AGC related worked correctly. Pushing every setting to the stop made no change what-so-ever in the response to the AGC so I rolled it back to 3.029.

I sat back and watched all the conversations on this reflector, and after reading many people were happy with the update, I decided to try again. After updating the Orion a second time with the new firmware all worked fine; AGC action followed the settings (at least to my ear anyway...). I will have to say I don't remember if I did a complete reset of the radio the first time (master reset and RAM clear) - I may have just done the reset. This time I made sure to do both.

However, I just do not like the nervous waggling of the S-Meter - I guess I like the meter action to follow the AGC so I went back to 3.029. I think this update will be a matter of personal preference - they both seem to work as intended.

Mike - KD9CK

>_____
> From: John <jhenry@...>
>To: orion565@yahoogroups.com
>Sent: Thursday, December 27, 2012 9:58 AM
>Subject: [orion565] Re: Uploaded, calibrated, happy
>
>
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>>
>> On Sun, Dec 23, 2012 at 8:23 AM, wolfmanjack@...
>> <javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>
>> <mailto:wolfmanjack%40charter.net> wrote:
>>
>> OK, that makes logical sense...thanks! D'oh!
>>
>> 73 John K7FD
>>
>> On Sun, Dec 23, 2012 at 8:11 AM, Luther Phillips wrote:
>>
>> Hi John:
>>
>> The "default" values are what appears on the screen when you go into the
>> adjustment menu. Instead of rotating the MULTI knob to match what is on
>> the
>> procedure table, simply look at your S-meter for each menu line and
>> adjust
>> the MULTI knob so that the meter reading matches the menu line. Example:
>> Rotate VFO A knob to highlight S-0, then adjust MULTI so that your
>> S-meter
>> reads S-0, then rotate VFO A to highlight S-1, adjust MULTI so that your
>> meter reads S-1, and so on up the scale. Here are the counts I ended up
>> with
>> on my OII:
>>
>> S0 0
>> S1 9
>> S2 14
>> S3 19
>> S4 23
>> S5 27
>> S6 32
>> S7 36
>> S8 42
>> S9 48
>> +10 55

>> +20 63
>> +30 73
>> +40 83
>> +50 96
>> +60 Leave at 0
>>
>> All my readings ended up being quite a bit less than the ones listed on
>> the
>> table, and less than what was already on the menu screen.
>>
>> I'll also add that adjusting AGC hang, etc. still affects the receiver
>> on my
>> OII as expected, but does not affect the behavior of the S-meter. I'm
>> not
>> detecting any issues with the AGC hang as some others have reported. I
>> normally do not use any hang time, so it's not a big issue either way.
>>
>> Can I lay claim to being Dumb Ass Orion Owner Club Member#2?
>>
>> Good luck & 73,
>> Luther N4UW
>>
>> -
>>
>> [Non-text portions of this message have been removed]
>>
>> [Non-text portions of this message have been removed]
>>
>>
>> <javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>
>>
>> <javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>
>>
>>
>> [Non-text portions of this message have been removed]
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>

[Non-text portions of this message have been removed]

8944. New 3.033xa Update. Works great. I have suggestion or request.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-27 18:21:33 UTC
From: John_Tn
Topic: 8944 Message: 8944

I have just installed the latest update without any problems. I do also notice that AGC rate has no effect on meter response but AGC IS working correctly. The meter now is very accurate. It is not the end of the world for me if the meter does not follow AGC rates, However if it is possible to add a menu option to allow the user to:

1.Follow AGC
Or
2.Meter hold time settings to slow meter response that would be great. If not I would rather have the accurate S-Meter than one that follows AGC.

What I do really like with the new update is the AGC threshold level now has no effect on S-Meter reading witch used to drive me crazy.
Thanks for the hard work and these useful updates.

John/KC2QMA

8945. 3.033xa Update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-27 19:15:33 UTC
From: wa4oss@netzero.net
Topic: 8945 Message: 8945

I have not updated my firmware. I wanted to read the opinions of several users prior to updating. At this time it seems to me that the update is functioning as intended.

Now, why would it be desirable for the "S" meter to be in the agc loop? The "S" meter should accurately indicate the signal strength at the antenna terminal. This is something few radios do. The OMNI VII and the Flex radios seem to have realized this can be achieved.

8946. RE: [orion565] 3.033xa Update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-27 19:29:37 UTC
From: wolfmanjack@charter.net
Topic: 8945 Message: 8946

Every radio I've had (Drake, Collins, Heathkit, Icom, Kenwood, etc.) have all had S meters that moved differently according to the AGC setting; when set to FAST AGC, the meter moved fast, when set to SLOW AGC, the meter movement had a slower decay...

73 John K7FD

On Thu, Dec 27, 2012 at 11:15 AM, wa4oss@... wrote:

I have not updated my firmware. I wanted to read the opinions of several users prior to updating. At this time it seems to me that the update is functioning as intended.

Now, why would it be desirable for the "S" meter to be in the agc loop? The "S" meter should accurately indicate the signal strength at the antenna terminal. This is something few radios do. The OMNI VII and the Flex radios seem to have realized this can be achieved.

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

8947. RE: [orion565] 3.033xa Update

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-27 20:43:16 UTC
From: Duane Calvin
Topic: 8945 Message: 8947

Exactly - S-meters on most radios follow the AGC because this is the easiest way to make a meter show something that resembles signal strength. If you stop and think about it, it's not actually showing you the signal strength - at least not directly. It's showing you how the receiver is responding to the strength of the signal. So, you set it for slow AGC and the signal is fading in a faster manner, and that will not show up. The signal drops, and you see the needle slowly fall, when, in fact, the signal was gone instantly. The big question is, do you want an S-meter that shows you the signal strength (or a more reasonable facsimile of it) or do you want an S-meter that shows you what the AGC is doing. At least, that's what I'm hearing discussed here.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of wolfmanjack@...
Sent: Thursday, December 27, 2012 1:30 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] 3.033xa Update

Every radio I've had (Drake, Collins, Heathkit, Icom, Kenwood, etc.) have all had S meters that moved differently according to the AGC setting; when set to FAST AGC, the meter moved fast, when set to SLOW AGC, the meter movement had a slower decay...

73 John K7FD

On Thu, Dec 27, 2012 at 11:15 AM, wa4oss@... wrote:

I have not updated my firmware. I wanted to read the opinions of several users prior to updating. At this time it seems to me that the update is functioning as intended.

Now, why would it be desirable for the "S" meter to be in the agc loop? The "S" meter should accurately indicate the signal strength at the antenna terminal. This is something few radios do. The OMNI VII and the Flex radios seem to have realized this can be achieved.

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

8948. Re: New 3.033xa Update. Works great. I have suggestion or request.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-27 21:25:16 UTC
From: John_Tn
Topic: 8944 Message: 8948

I see there are 2 opinions on how people like to see their S-Meter respond. Now as for me I am only interested in the signal level at the Antenna connector or receiver front end so the new Update works great for me. Now having said that I can also understand how some users would like to see the S-meter track the AGC.
I think it would be a good idea for users to have a menu Option to set the S-meter Pre or Post AGC.
Like I said I like the new update because it makes the S-meter more accurate to read the signal strength at the front end of the receiver rather than "Post" AGC.
Now if we really want to get picky how about the Sub-receiver S-meter also have a numerical value just before or after the bar graph?
(S15========) Or (========S10)
John/KC2QMA

--- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@...> wrote:
>
> I have just installed the latest update without any problems. I do also notice that AGC rate has no effect on meter response but AGC IS working correctly. The meter now is very accurate. It is not the end of the world for me if the meter does not follow AGC rates, However if it is possible to add a menu option to allow the user to:
>
> 1.Follow AGC
> Or
> 2.Meter hold time settings to slow meter response that would be great. If not I would rather have the accurate S-Meter than one that follows AGC.
>
> What I do really like with the new update is the AGC threshold level now has no effect on S-Meter reading witch used to drive me crazy.
> Thanks for the hard work and these useful updates.
>
> John/KC2QMA
>

8950. RE: [orion565] Listing

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-27 22:46:53 UTC
From: Jim
Topic: 8945 Message: 8950

Before I list this on QTH or Eham I thought I would offer it to someone on the reflector.

Absolutely Mint Ten Tec Orion II with optional Antenna tuner and optional 1.8, 600 and 300 filters. Have original Box, manual, power cord and package of goodies.

$3050 shipped and insured. This unit is in great shape. No dents, scuffs or scratches.

KE4WY Jim

8951. Re: [orion565] Re: Uploaded, calibrated, happy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 01:23:33 UTC
From: Sam W Jacobs CET
Topic: 8930 Message: 8951

John, Ideally when the AGC is set to slow and a strong signal unkeys, the meter should fall slowly. On Med it show fall a bit faster. On fast it would fall immediately (like it is right now - the default that can't be changed in this new 3.033xa version. All that needs fixed it how fast (or slowly) the meter falls. I like the new change.

In a menu option, you could have the S-meter either 1) follow the AGC setting 2) always fast or 3) work as previous versions and indicate the amount of RF Gain reduction is used.

I know it was always tough giving someone a signal report because I would have to turn the RF Gain to 100 and take off any other attenuation I might have on. Now all I have to do is look at the meter, cheers !

73 !

Sam
K3SAM

From: John <jhenry@...>
To: orion565@yahoogroups.com
Sent: Thursday, December 27, 2012 10:58 AM
Subject: [orion565] Re: Uploaded, calibrated, happy

ok, let me get this straight, we are only referring to a problem in how fast the smeter is operating now, and NOT a problem in actual AGC action? Or is there still something amiss in AGC action? Someone claimed none of them made a difference, e.g. fast vs slow, and another said hang is not working at all.
I'll check it all out again when I get back to work on the 2nd.

Thank, and 73, and yes, Merry Christmas and Happy New Year to the Orioneers and the "dumbass club", lol, like that.
Take care,
John Henry, KI4JPL

--- In orion565@yahoogroups.com, wolfmanjack@... wrote:
>
>
> Hi George!
>
> Let me clarify; I think we are seeing the same thing. After the upgrade
> to 3.033, the S meter indeed moves quickly, like it is in fast AGC. I
> used the term lively, but would agree with you...
>
> That said, if I don't look at the meter movement and just listen to the
> receiver as I switch through the default slow, fast, and medium AGC, I
> can hear a different AGC action for each position. The meter response
> and movement, however, remains constant and does not change no matter

> what the AGC postition. So the AGC selections are working normally...
>
> ...but slow, medium, and fast is not relected in the meter movement. As
> you say, looks like it's in fast AGC all the time!
>
> And I think I'd like to see the meter movement correspond to slow,
> medium, and fast, too! But for now, good 'nuff...
>
> 73 John K7FD
>
> On Sun, Dec 23, 2012 at 12:31 PM, George wrote:
>
> WOW John, that's not how I found my
>
> S meter responding? I found it to be responding as if in fast AGC all
> the
> time independent of AGC setting.
>
> Before the upgrade, in slow AGC, it would remain reading high and slowly
> return to 0 S units per the way I had my slow AGC set up with 3.82
> seconds,
> 20db/s and 38.30uv.
>
> George W2YJ
>
> From: orion565@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
> [mailto: orion565@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
>] On Behalf
> Of wolfmanjack@...
> <javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>
> Sent: Sunday, December 23, 2012 11:38 AM
> To: orion565@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
> Subject: [orion565] Uploaded, calibrated, happy
>
> Thanks for eveyone's guidance, looks like I'm set up now. S meter is
> definitely 'lively' I would say, not much dampening action but
> definitely does not affect AGC on my Orion II. AGC responds the same as
> it always did when switching from slow, medium, fast...
>
> S0 0
> S1 11
> S2 17
> S3 23
> S4 25
> S5 33
> S6 38
> S7 43

> S8 49
> S9 56
> +10 64
> +20 74
> +30 85
> +40 98
> +50 115
> +60 0
>
> 73 John K7FD
>
> On Sun, Dec 23, 2012 at 8:23 AM, wolfmanjack@...
> <javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>
> <mailto:wolfmanjack%40charter.net> wrote:
>
> OK, that makes logical sense...thanks! D'oh!
>
> 73 John K7FD
>
> On Sun, Dec 23, 2012 at 8:11 AM, Luther Phillips wrote:
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> Hi John:
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> The "default" values are what appears on the screen when you go into the
> adjustment menu. Instead of rotating the MULTI knob to match what is on
> the
> procedure table, simply look at your S-meter for each menu line and
> adjust
> the MULTI knob so that the meter reading matches the menu line. Example:
> Rotate VFO A knob to highlight S-0, then adjust MULTI so that your
> S-meter
> reads S-0, then rotate VFO A to highlight S-1, adjust MULTI so that your
> meter reads S-1, and so on up the scale. Here are the counts I ended up
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> on my OII:
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> S0 0
> S1 9
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> S4 23
> S5 27
> S6 32
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> S8 42
> S9 48
> +10 55
> +20 63
> +30 73
> +40 83

> +50 96
> +60 Leave at 0
>
> All my readings ended up being quite a bit less than the ones listed on
> the
> table, and less than what was already on the menu screen.
>
> I'll also add that adjusting AGC hang, etc. still affects the receiver
> on my
> OII as expected, but does not affect the behavior of the S-meter. I'm
> not
> detecting any issues with the AGC hang as some others have reported. I
> normally do not use any hang time, so it's not a big issue either way.
>
> Can I lay claim to being Dumb Ass Orion Owner Club Member#2?
>
> Good luck & 73,
> Luther N4UW
>
> -
>
> [Non-text portions of this message have been removed]
>
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>
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> <javascript:parent.wgMail.openComposeWindow('wolfmanjack@...')>
>
> <javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

8952. Re: Uploaded, calibrated, Very happy!

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 02:12:47 UTC
From: Frankie
Topic: 8930 Message: 8952

John,

Thanks for the new update!
I really, REALLY like the new meter action!

The AGC is working fine, as usual.
The meter is working great too!

I much prefer the new meter movement. I usually ride the RF gain all the time and I really disliked how the old meter behaved. I also disliked the accuracy of the old one. (Mine showed a S8 signal as S9+20)

Thanks!!!
Frankie
K4TEN

--- In orion565@yahoogroups.com, "John" <jhenry@...> wrote:
>
> ok, let me get this straight, we are only referring to a problem in how fast the smeter is operating now, and NOT a problem in actual AGC action? Or is there still something amiss in AGC action? Someone claimed none of them made a difference, e.g. fast vs slow, and another said hang is not working at all.
> I'll check it all out again when I get back to work on the 2nd.
>
> Thank, and 73, and yes, Merry Christmas and Happy New Year to the Orioneers and the "dumbass club", lol, like that.
> Take care,
> John Henry, KI4JPL

8953. Re: Uploaded, calibrated, happy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 02:17:51 UTC
From: EDEN MCCOLLOUGH
Topic: 8930 Message: 8953

John Henry......
Any chance a similar upgrade will be made available for the 565 Orion.....? Just wondered....it would be welcome.

Thanks for all you do for us 'dumb asses'.....lol..... Happy New Year....

73,
Butch...K3AFR
k3afr@...

[Non-text portions of this message have been removed]

8954. Re: Uploaded, calibrated, happy

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 03:20:57 UTC
From: k7fd
Topic: 8930 Message: 8954

I agree, it's nice to have the meter action now independent of the RF Gain control...very nice indeed...

73 John K7FD

--- In orion565@...m, Sam W Jacobs CET <Sam@...> wrote:
>
> John, Ideally when the AGC is set to slow and a strong signal unkeys, the meter should fall slowly.Â On Med it show fall a bit faster.Â On fast it would fall immediately (like it is right now - the default that can't be changed in this new 3.033xa version.Â All that needs fixed it how fast (or slowly) the meter falls.Â I like the new change.
>
> In a menu option, you could have the S-meter either 1) follow the AGC setting 2) always fast or 3) work as previous versions and indicate the amount of RF Gain reduction is used.
>
> I know it was always tough giving someone a signal report because I would have to turn the RF Gain to 100 and take off any other attenuation I might have on.Â Now all I have to do is look at the meter, cheers !
>
> Â
> 73 !
>
> Sam
> K3SAM

8955. Re: New 3.033xa Update. Works great. I have suggestion or requ...

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 08:58:56 UTC
From: n4be_jim
Topic: 8949 Message: 8955

I haven't tried the new version yet but it seems like what is being asked for is a menu selection for S-meter action similar to some watt meters, I.e. a selectable peak or average, or peak hold with decay, etc. optionally a "meter damping" setting. The nice thing about a slow meter action is that it gives your eye time to make a reading on voice sub, otherwise you only see an accurate reading on constant carriers. So a slow or "averaged" response is more desirable in my view.
73, Jim N4BE

8956. Re: Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 12:35:14 UTC
From: Marty Young
Topic: 8875 Message: 8956

John:

I was waiting for the fall out to settle before upgrading. From what I see I'm ready to upgrade. I think the meter will be more useful not following the AGC, but it will be a paradise shift for us! (Mali-prop intended, Hi!)

I'll do it this weekend, good job, thanks!

73 Marty / W4MY

8957. RE: [orion565] Re: Orion II Model 566 Version 3.033xa posted

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 12:47:27 UTC
From: wolfmanjack@charter.net
Topic: 8875 Message: 8957

More to the point, I'm not sure that all the banging around the needle does now is good for the meter. On mine, it returns to zero at such a clip, it almost bangs against the stop. This is especially noticeable when tuned to a strong CW signal. At least on 'slow' AGC it used to come back down gracefully :)

73 John K7FD

[Non-text portions of this message have been removed]

8958. Re: New 3.033xa Update. Works great! (Meter menu option)?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 13:04:49 UTC
From: John_Tn
Topic: 8944 Message: 8958

I think it would be a good idea for users to have a menu Option to set the S-meter Pre or Post AGC?
Or meter Peak & Average option?
That way everyone is happy.LOL

Thanks for the update works great for me.
John/KC2QMA

--- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@...> wrote:
>
> I see there are 2 opinions on how people like to see their S-Meter respond. Now as for me I am only interested in the signal level at the Antenna connector or receiver front end so the new Update works great for me. Now having said that I can also understand how some users would like to see the S-meter track the AGC.
> I think it would be a good idea for users to have a menu Option to set the S-meter Pre or Post AGC.
> Like I said I like the new update because it makes the S-meter more accurate to read the signal strength at the front end of the receiver rather than "Post" AGC.
> Now if we really want to get picky how about the Sub-receiver S-meter also have a numerical value just before or after the bar graph?
> (S15========) Or (========S10)
> John/KC2QMA
>
>
> --- In orion565@yahoogroups.com, "John_Tn" <john-m-junk@> wrote:
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> > I have just installed the latest update without any problems. I do also notice that AGC rate has no effect on meter response but AGC IS working correctly. The meter now is very accurate. It is not the end of the world for me if the meter does not follow AGC rates, However if it is possible to add a menu option to allow the user to:
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> > 1.Follow AGC
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> > What I do really like with the new update is the AGC threshold level now has no effect on S-Meter reading witch used to drive me crazy.
> > Thanks for the hard work and these useful updates.
> >
> > John/KC2QMA
> >
>

8959. RE: [orion565] Re: New 3.033xa Update. Works great! (Meter menu option)?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 13:24:25 UTC
From: George
Topic: 8944 Message: 8959

Let me chime in with my opinion on the

S-meter and new 3.033xa firmware.

I like the new firmware but would rather the S-meter revert back to its previous operation, which is, following the selected AGC action.

Right now my S-meter is on steroids, hi. J

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John_Tn
Sent: Friday, December 28, 2012 8:05 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: New 3.033xa Update. Works great! (Meter menu option)?

I think it would be a good idea for users to have a menu Option to set the S-meter Pre or Post AGC?
Or meter Peak & Average option?
That way everyone is happy.LOL

Thanks for the update works great for me.
John/KC2QMA

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "John_Tn" <john-m-junk@...> wrote:
>
> I see there are 2 opinions on how people like to see their S-Meter respond. Now as for me I am only interested in the signal level at the Antenna connector or receiver front end so the new Update works great for me. Now having said that I can also understand how some users would like to see the S-meter track the AGC.
> I think it would be a good idea for users to have a menu Option to set the S-meter Pre or Post AGC.
> Like I said I like the new update because it makes the S-meter more accurate to read the signal strength at the front end of the receiver rather than "Post" AGC.
> Now if we really want to get picky how about the Sub-receiver S-meter also have a numerical value just before or after the bar graph?
> (S15========) Or (========S10)
> John/KC2QMA
>
>

> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
"John_Tn" <john-m-junk@> wrote:
> >
> > I have just installed the latest update without any problems. I do also
notice that AGC rate has no effect on meter response but AGC IS working
correctly. The meter now is very accurate. It is not the end of the world
for me if the meter does not follow AGC rates, However if it is possible to
add a menu option to allow the user to:
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If not I would rather have the accurate S-Meter than one that follows AGC.
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> > What I do really like with the new update is the AGC threshold level now
has no effect on S-Meter reading witch used to drive me crazy.
> > Thanks for the hard work and these useful updates.
> >
> > John/KC2QMA
> >
>

[Non-text portions of this message have been removed]

8960. Re: New 3.033xa Update. Works great! (Meter menu option)?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 13:59:12 UTC
From: John
Topic: 8944 Message: 8960

Thanks for everyone's inputs. It will only help to make the product better.

At least I am glad to hear the "action" of AGC is correct. Phew, that is a good bullet dodged.

SMeter action, will look into it. A menu item doesn't seem unreasonable, or a menu item for amount of delay per agc setting. Then, if you don't want any delay, set it to a low value, and if you want delay, set it to a high value, separate for all AGC settings. So you can tailor it to your liking. Not sure how easy this will be to do, but would solve it for everyone, defaulting to "same as AGC" value settings, I guess. Or a single menu item with "0=follow AGC", or a single value 1..10 for all agc settings. One menu item. Will have to play with it a bit and see what makes more sense. Worst case, we will leave this release as it is for maybe a month and see if anything else pops up so we aren't putting out the "release of the week". Hope that is OK with everyone. Lots of things to get done on top of this.

Regarding 565, the smeter calibration procedure has worked in the 565 since version 2.064??? or something. So, if you are running any of the V3 firmware, you have it as well. Not the SMeter before AGC fix, but the smeter value adjustment.

Remember, this new smeter calibration only calibrates the voltage level given to the smeter once the DSP has determined the signal level. It does not change or calibrate what the DSP calculates as an sunit signal strength. I would rather you get the calibration procedure for that from Paul in service, requires signal generators, pot adjustment, etc. THEN you could do the final smeter meter calibration to make it read out what you have already calibrated in HW. For the most part, the actual hardware calibration is not necessary, unless you have had damage, and then, service really should be the one to look at that.

I'm out of office until January 2, but will check back in from time to time for any real necessary answers. Usually, you all answer yourself, but this one needed some of TenTec's inputs.

Take care, and 73,
John Henry, KI4JPL
TenTec Engineering

--- In orion565@yahoogroups.com, "George" <goofyham@...> wrote:
>
> Let me chime in with my opinion on the
>
> S-meter and new 3.033xa firmware.
>
> I like the new firmware but would rather the S-meter revert back to its
> previous operation, which is, following the selected AGC action.
>
> Right now my S-meter is on steroids, hi. J
>

>
>
> George W2YJ
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of John_Tn
> Sent: Friday, December 28, 2012 8:05 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: New 3.033xa Update. Works great! (Meter menu
> option)?
>
>
>
>
>
> I think it would be a good idea for users to have a menu Option to set the
> S-meter Pre or Post AGC?
> Or meter Peak & Average option?
> That way everyone is happy.LOL
>
> Thanks for the update works great for me.
> John/KC2QMA
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
> "John_Tn" <john-m-junk@> wrote:
> >
> > I see there are 2 opinions on how people like to see their S-Meter
> respond. Now as for me I am only interested in the signal level at the
> Antenna connector or receiver front end so the new Update works great for
> me. Now having said that I can also understand how some users would like to
> see the S-meter track the AGC.
> > I think it would be a good idea for users to have a menu Option to set the
> S-meter Pre or Post AGC.
> > Like I said I like the new update because it makes the S-meter more
> accurate to read the signal strength at the front end of the receiver rather
> than "Post" AGC.
> > Now if we really want to get picky how about the Sub-receiver S-meter also
> have a numerical value just before or after the bar graph?
> > (S15========) Or (========S10)
> > John/KC2QMA
> > >
> >
> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> ,
> "John_Tn" <john-m-junk@> wrote:
> > >
> > > I have just installed the latest update without any problems. I do also
> notice that AGC rate has no effect on meter response but AGC IS working
> correctly. The meter now is very accurate. It is not the end of the world

> for me if the meter does not follow AGC rates, However if it is possible to
> add a menu option to allow the user to:
> > >
> > > 1.Follow AGC
> > > Or
> > > 2.Meter hold time settings to slow meter response that would be great.
> If not I would rather have the accurate S-Meter than one that follows AGC.
> > >
> > > What I do really like with the new update is the AGC threshold level now
> has no effect on S-Meter reading witch used to drive me crazy.
> > > Thanks for the hard work and these useful updates.
> > >
> > > John/KC2QMA
> > >
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

8961. New 3.033xa Update. New meter behavior / opinion.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 14:21:26 UTC
From: Frankie
Topic: 8944 Message: 8961

I like the way the meter works in the new firmware.

Seems like there are 4 meter qualities affected with the new firmware.

1. Meter is now independent of RF Gain control.
Big improvement. I really like the new meter action! PLEASE, PLEASE don't take this option away!

2. Meter is not tied to AGC
Big improvement. I like how it is now, showing actual signal level, independent of AGC.

3. Meter movement speed. (its fast)
I like it now, however it could use some "decay" value in my opinion. I would rather have no decay than too much though. I am almost afraid to say anything fearing it will revert to something I wouldn't like quite as much. I like it well enough that no further changes would be quite OK with me.

4. Accuracy improved. (excluding AGC induces discrepancies)
Big improvement. There is a huge improvement with this firmware. With the old firmware mine was way off (S8 showed +20)

Thanks for the changes!!
Frankie
K4TEN

8962. Re: New 3.033xa Update. New meter behavior / opinion.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 14:24:42 UTC
From: wa4oss@netzero.net
Topic: 8944 Message: 8962

Agree! Agree!

--- In orion565@yahoogroups.com, "Frankie" <k4ten@...> wrote:
>
>
>
>
> I like the way the meter works in the new firmware.
>
>
> Seems like there are 4 meter qualities affected with the new firmware.
>
>
> 1. Meter is now independent of RF Gain control.
> Big improvement. I really like the new meter action! PLEASE, PLEASE don't take this option away!
>
> 2. Meter is not tied to AGC
> Big improvement. I like how it is now, showing actual signal level, independent of AGC.
>
> 3. Meter movement speed. (its fast)
> I like it now, however it could use some "decay" value in my opinion. I would rather have no decay than too much though. I am almost afraid to say anything fearing it will revert to something I wouldn't like quite as much. I like it well enough that no further changes would be quite OK with me.
>
> 4. Accuracy improved. (excluding AGC induces discrepancies)
> Big improvement. There is a huge improvement with this firmware. With the old firmware mine was way off (S8 showed +20)
>
> Thanks for the changes!!
> Frankie
> K4TEN
>

8963. Re: New 3.033xa Update. New meter behavior / opinion.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 14:25:13 UTC
From: John
Topic: 8944 Message: 8963

Hi Frankie,

Whatever we do, we (hopefully) wouldn't take a step back.
It's independence of RFGain is a HUGE improvement.
Maybe add a dampening to it's decay action so it doesn't swing so fast, user definable would be nice, but, well, will see in a week or two.
Worst case, it is what it is today, and no changes, but I don't feel comfortable with that answer completely myself. But, then I have to get authorization from Jack to improve it.... he runs the company and pulls the final strings.

Thanks, and 73,
John Henry, KI4JPL
TenTec Engineering

--- In orion565@yahoogroups.com, "Frankie" <k4ten@...> wrote:
>
>
>
>
> I like the way the meter works in the new firmware.
>
>
> Seems like there are 4 meter qualities affected with the new firmware.
>
>
> 1. Meter is now independent of RF Gain control.
> Big improvement. I really like the new meter action! PLEASE, PLEASE don't take this option away!
>
> 2. Meter is not tied to AGC
> Big improvement. I like how it is now, showing actual signal level, independent of AGC.
>
> 3. Meter movement speed. (its fast)
> I like it now, however it could use some "decay" value in my opinion. I would rather have no decay than too much though. I am almost afraid to say anything fearing it will revert to something I wouldn't like quite as much. I like it well enough that no further changes would be quite OK with me.
>
> 4. Accuracy improved. (excluding AGC induces discrepancies)
> Big improvement. There is a huge improvement with this firmware. With the old firmware mine was way off (S8 showed +20)
>
> Thanks for the changes!!
> Frankie
> K4TEN
>

8964. Re: New meter behavior

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 14:39:19 UTC
From: Barry N1EU
Topic: 8964 Message: 8964

On Dec 28, 2012 9:21 AM, "Frankie" <k4ten@...> wrote:

>
> 1. Meter is now independent of RF Gain control.

Can we PLEASE get this on the 565? That's how it worked in good ole
v1.372/1.373

Thanks & Happy Holidays to all'
Barry N1EU

[Non-text portions of this message have been removed]

8965. Thank You Ten Tec, John Henrey & the Engineering Team.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 14:46:57 UTC
From: kc2qma
Topic: 8965 Message: 8965

I want to thank you for the hard work you and the Ten Tec team does for us. The fact that users are able to communicate with engineering IS exactly why TEN TEC products are the best money can buy! Try that with the foreign makers and it would be like yelling into an empty room with the light turned off.

The Orion keeps getting better and better

I also recently received a Regal #707 Microphone and am amazed at how good it sounds without any audio processing, It also looks great in the shack. This Microphone is a great match with the Orion and with the new lower price you just can't beat it. Give this Mic A Try!

73.KC2QMA

8966. Re: New meter behavior

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 18:07:17 UTC
From: John
Topic: 8964 Message: 8966

Hi Barry,

Will look into it, but, one of the drawbacks with changes in the 565 is that it has been evolving and added to MANY years after it was taken out of production, and in doing so, it is running up to the edge in code space. We are improving several areas of the Orion 565 right now, but need to keep constant look at the linkers report on amount of space left. I don't want to get into different versions having different capabilities, would not be easy to maintain.

Thanks, and 73,
John Henry, KI4JPL
TenTec Engineering

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> On Dec 28, 2012 9:21 AM, "Frankie" <k4ten@...> wrote:
>
> >
> > 1. Meter is now independent of RF Gain control.
>
> Can we PLEASE get this on the 565? That's how it worked in good ole
> v1.372/1.373
>
> Thanks & Happy Holidays to all'
> Barry N1EU
>
>
> [Non-text portions of this message have been removed]
>

8967. Tnx to Ten Tec

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 18:51:57 UTC
From: ray.higgins25
Topic: 8967 Message: 8967

Just a short note to say Tnx to all the Ten Tek's fer their support to all their fans !

73 & Happy New year -- Ray KC1MR

8968. RF output Orion-II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 20:32:12 UTC
From: NE7X
Topic: 8968 Message: 8968

I am having an issue with my Orion-II, when the radio is not used for two or more days, after I first turn it on, it will only put out about 8 watts. Then after about 30 minutes, it will put out full 100 watts. It will continue putting out full power from this point forward until I turn it off. If I turn it on in less then about 24 hours it will have full RF output power. However if I turn it on after two or three days, it will only put out 8 watts again, then after 30 minutes or so it will put out 100 watts for the rest of the day.

What I suspect is a bad electrolytic capacitor. After the capacitor slowly fully charges, the capacitor will stay formed and the radio will put out full power, and will say formed after I turn the radio off for about 24 hours.

The question now is what capacitor could it be? Anyone troubleshooting suggestions?

Thanks. Thomas NE7X...
http://ne7x.com

8969. Re: [orion565] RF output Orion-II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 22:39:39 UTC
From: K Van Horn
Topic: 8968 Message: 8969

Hi Thomas, Sounds like a lithium backup battery to me. One of my Orion II's did similar things and it was the backup battery. You might try a master reset if you have not done that yet. Let us know what it turns out to be! Happy New Year, Kirby, K7EC
PS.I had done all of the power supply cap fixes at http://www.n6ie.com/A9_Fix.html K

From: NE7X
Sent: Friday, December 28, 2012 1:32 PM
To: orion565@yahoogroups.com
Subject: [orion565] RF output Orion-II

I am having an issue with my Orion-II, when the radio is not used for two or more days, after I first turn it on, it will only put out about 8 watts. Then after about 30 minutes, it will put out full 100 watts. It will continue putting out full power from this point forward until I turn it off. If I turn it on in less then about 24 hours it will have full RF output power. However if I turn it on after two or three days, it will only put out 8 watts again, then after 30 minutes or so it will put out 100 watts for the rest of the day.

What I suspect is a bad electrolytic capacitor. After the capacitor slowly fully charges, the capacitor will stay formed and the radio will put out full power, and will say formed after I turn the radio off for about 24 hours.

The question now is what capacitor could it be? Anyone troubleshooting suggestions?

Thanks. Thomas NE7X...
http://ne7x.com

[Non-text portions of this message have been removed]

8970. Re: RF output Orion-II

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-28 23:05:53 UTC
From: NE7X
Topic: 8968 Message: 8970

Kirby K7EC

Thanks for the reply to my query. I did perform a reset after doing the firmware upgrade, so I think we can rule that out. I suspect a electrolytic capacitor, this is a common characteristic of how one would act when going soft. I think I will take your advise and "shot-gun" and replace all the caps on the A9 board. I will post my finding here after doing so in the next week. I will also check/replace the backup battery.

Thanks, Thomas NE7X...
http://ne7x.com

--- In orion565@yahoogroups.com, "K Van Horn" <k7ec@...> wrote:
>
> Hi Thomas, Sounds like a lithium backup battery to me. One of my Orion IIâ□□s did similar things and it was the backup battery. You might try a master reset if you have not done that yet. Let us know what it turns out to be! Happy New Year, Kirby, K7EC
> PS.I had done all of the power supply cap fixes at http://www.n6ie.com/A9_Fix.html K
>
> From: NE7X
> Sent: Friday, December 28, 2012 1:32 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] RF output Orion-II
>
>
> I am having an issue with my Orion-II, when the radio is not used for two or more days, after I first turn it on, it will only put out about 8 watts. Then after about 30 minutes, it will put out full 100 watts. It will continue putting out full power from this point forward until I turn it off. If I turn it on in less then about 24 hours it will have full RF output power. However if I turn it on after two or three days, it will only put out 8 watts again, then after 30 minutes or so it will put out 100 watts for the rest of the day.
>
> What I suspect is a bad electrolytic capacitor. After the capacitor slowly fully charges, the capacitor will stay formed and the radio will put out full power, and will say formed after I turn the radio off for about 24 hours.
>
> The question now is what capacitor could it be? Anyone troubleshooting suggestions?
>
> Thanks. Thomas NE7X...
> http://ne7x.com
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

8971. Inrad 762 available

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-29 19:45:22 UTC
From: Doug
Topic: 8971 Message: 8971

If anyone's interested I have an Inrad 762 filter for the 565 available. Thanks and HNY to all..

73,
Doug N9NX

8972. Is it me or does the Orion II sound a little better after Update?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-30 02:22:04 UTC
From: kc2qma
Topic: 8972 Message: 8972

Is it me or does the Orion sound better after Update?

I have been listening to my Orion II for the past few days and I can't put my finger on it but it seems to sound a little better? I still have all my original settings but audio seems to have more punch?
????
kc2qm

8973. Re: [orion565] Is it me or does the Orion II sound a little better after Update?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-30 02:37:51 UTC
From: K7FD
Topic: 8972 Message: 8973

It's as good or better!

73 John K7FD

On Dec 29, 2012, at 6:22 PM, "kc2qma" <john-m-junk@...> wrote:

> Is it me or does the Orion sound better after Update?
>
> I have been listening to my Orion II for the past few days and I can't put my finger on it but it seems to sound a little better? I still have all my original settings but audio seems to have more punch?
> ????
> kc2qm
>
>

[Non-text portions of this message have been removed]

8974. Re: [orion565] Is it me or does the Orion II sound a little better after Update?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-30 11:53:48 UTC
From: Jerry Rogers
Topic: 8972 Message: 8974

Updated my Orion II yesterday. All went well, and I must say I now see S-meter readings that are not super high. Before the upgrade I was seeing a lot of stations pushing 40 over. I knew the S-meter was over inflated.

I run my RF-gain about 60% most of the time. Never did like radios that moved the S-meter up as you reduced the RF-gain. I know the reason way it did it, but never liked it.

As for the audio, that is something I'm experiencing also. Seems to be a notch better.

PS: My Eagle and Orion II just keep getting better.

Jerry, ki4ps

On Dec 29, 2012, at 9:37 PM, K7FD <wolfmanjack@...> wrote:

> It's as good or better!
>
> 73 John K7FD
>
> On Dec 29, 2012, at 6:22 PM, "kc2qma" <john-m-junk@...> wrote:
>
> > Is it me or does the Orion sound better after Update?
> >
> > I have been listening to my Orion II for the past few days and I can't put my finger on it but it seems to sound a little better? I still have all my original settings but audio seems to have more punch?
> > ????
> > kc2qm
> >
> >
>
> [Non-text portions of this message have been removed]
>
>

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8975. Re: [orion565] Is it me or does the Orion II sound a little better after Update?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-30 15:10:18 UTC
From: wolfmanjack@charter.net
Topic: 8972 Message: 8975

Someone, can't remember who, was working with John Henry as a tester.
After the upgrade, he posted that there were 'no more cracks and pops'
or something to that effect. I wonder what they were improving?

73 John K7FD

On Sun, Dec 30, 2012 at 3:53 AM, Jerry Rogers wrote:

> Updated my Orion II yesterday. All went well, and I must say I now
> see S-meter readings that are not super high. Before the upgrade I
> was seeing a lot of stations pushing 40 over. I knew the S-meter was
> over inflated.
>
> I run my RF-gain about 60% most of the time. Never did like radios
> that moved the S-meter up as you reduced the RF-gain. I know the
> reason way it did it, but never liked it.
>
> As for the audio, that is something I'm experiencing also. Seems to
> be a notch better.
> PS: My Eagle and Orion II just keep getting better.
> Jerry, ki4ps
>
>
>
> On Dec 29, 2012, at 9:37 PM, K7FD <wolfmanjack@...> wrote:
>
>> It's as good or better!
>>
>> 73 John K7FD
>>
>> On Dec 29, 2012, at 6:22 PM, "kc2qma" <john-m-junk@...>
>> wrote:
>>
>>> Is it me or does the Orion sound better after Update?
>>>
>>> I have been listening to my Orion II for the past few days and I
>>> can't put my finger on it but it seems to sound a little better? I
>>> still have all my original settings but audio seems to have more
>>> punch?
>>> ????
>>> kc2qm
>>>
>>>
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> Yahoo! Groups Links
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8976. Re: [orion565] Is it me or does the Orion II sound a little better after Update?

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-31 10:30:24 UTC
From: Sam W Jacobs CET
Topic: 8972 Message: 8976

That was me, John. We are still working on it.
It only affects the REAR audio output (coming from the RCA jack).

When a strong signal is received AND the Audio Notch (AN) is engaged you
will hear pops and clicks coming from the rear audio jack.

That's what John and I were working on. He was adjusting the code, I was his
tester. As of right now, I believe the pops and clicks are still there. The .ruf
files were alpha test and not available on the download page.

I also uploaded an audio file to the file section so you can hear the sounds.

73 !

Sam
K3SAM

From: "wolfmanjack@..." <wolfmanjack@...>
To: orion565@yahoogroups.com
Sent: Sunday, December 30, 2012 10:10 AM
Subject: Re: [orion565] Is it me or does the Orion II sound a little better after Update?

Someone, can't remember who, was working with John Henry as a tester.
After the upgrade, he posted that there were 'no more cracks and pops'
or something to that effect. I wonder what they were improving?

73 John K7FD

On Sun, Dec 30, 2012 at 3:53 AM, Jerry Rogers wrote:

> Updated my Orion II yesterday. All went well, and I must say I now
> see S-meter readings that are not super high. Before the upgrade I
> was seeing a lot of stations pushing 40 over. I knew the S-meter was
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>
> I run my RF-gain about 60% most of the time. Never did like radios
> that moved the S-meter up as you reduced the RF-gain. I know the
> reason way it did it, but never liked it.
>
> As for the audio, that is something I'm experiencing also. Seems to
> be a notch better.
> PS: My Eagle and Orion II just keep getting better.
> Jerry, ki4ps
>
>

>
> On Dec 29, 2012, at 9:37 PM, K7FD <wolfmanjack@...> wrote:
>
>> It's as good or better!
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>> 73 John K7FD
>>
>> On Dec 29, 2012, at 6:22 PM, "kc2qma" <john-m-junk@...>
>> wrote:
>>
>>> Is it me or does the Orion sound better after Update?
>>>
>>> I have been listening to my Orion II for the past few days and I
>>> can't put my finger on it but it seems to sound a little better? I
>>> still have all my original settings but audio seems to have more
>>> punch?
>>> ????
>>> kc2qm
>>>
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> Yahoo! Groups Links
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8977. orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-31 11:33:38 UTC
From: jim jim
Topic: 8977 Message: 8977

HELP
I suddenly did the Orion 565 100 Hz frequency shift upwardsHELP
knowing
ver.3.032

Jim sv7boy

[Non-text portions of this message have been removed]

8978. Σχετ: orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-31 11:37:58 UTC
From: jim jim
Topic: 8977 Message: 8978

?

HELP
I suddenly did the Orion 565 100 Hz frequency shift upwardsHELP
knowing
ver.3.032

Jim sv7boy

[Non-text portions of this message have been removed]

8979. orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-31 11:55:33 UTC
From: jim_sv7boy
Topic: 8977 Message: 8979

HELP

I suddenly did the Orion 565 100 Hz frequency shift upwards HELP

knowing

Know someone something about

sv7boy

8980. Re: New meter behavior

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-31 11:56:15 UTC
From: Marty Young
Topic: 8964 Message: 8980

I did this upgrade and like it very much. Nice improvement! Happy New Year everyone.

73 Marty / W4MY

8981. Re: [orion565] Re: New meter behavior

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-31 12:10:08 UTC
From: Peter Frenning [OZ1PIF]
Topic: 8964 Message: 8981

Den 31-12-2012 12:56, Marty Young skrev:
> I did this upgrade and like it very much. Nice improvement! Happy New Year everyone.
>
> 73 Marty / W4MY
> -----------
Me too, I finally took the plunge and did the update last night - love
it! (I never liked the "follow the AGC" behaviour)
Happy New Year everyone.

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Genius is one per cent inspiration, **
** and ninety-nine per cent **
** perspiration. **
** -- Thomas A. Edison **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

8982. Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-31 12:15:58 UTC
From: kc2qma
Topic: 8982 Message: 8982

I found what seems to be a possible bug; I have been able to do this in OS version 3.029 and the latest version 3.033xa. I just want to see if anyone else can reproduce this.

Sometimes I like to soften the receive audio by lowering the DSP filter length in the filter menu. It makes listening for long periods a little less fatiguing on my ears.

OK so here is the problem, if I lower the DSP filter taps to below 47 and then adjust the Bandwidth down and then back up I get audio distortion. Now once you re-adjust the DSP taps the audio clears back up.

So here is how to test and see if others can reproduce this.
1. Tune to a good signal. It does not matter what mode (LSB, USB or AM) however a phone signal will be the best. CW may be hard to detect.
2. Go to the FILTER MENU then move VFO A to highlight "DSP Filter length"
3. (DSP Filter Length) Adjust the taps down to 32.
4. Then exit menu.
5. Adjust the bandwidth control all the way down, then back up to a normal setting anywhere from 2000 to 4000.
Do you here audio distortion?

Now don't worry you can clear the distortion by just going back to the DSP Filter Length and turning back up to 199.

Now this is not a big problem but may indicate a small bug that if corrected May or may not improve the overall receive audio?

(Now some may say like the old joke "Doctor it hurts when I do this" and the doctor says "then don't do that")

Anyway just wanted to see if anyone else can recreate this.

That said I LOVE the new meter update works AWESOME!

73, KC2QMA
HAPPY NEW YEAR!

8983. Re: [orion565] Σχετ: orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-31 14:06:01 UTC
From: Bruce Small
Topic: 8977 Message: 8983

Did you push the STEP button to the right of the display screen? That changes the tuning rate 1Hz -> 10Hz -> 100Hz -> 1KHz -> 5KHz -> 10KHz -> 100KHz.

-Bruce, KM2L

On 12/31/2012 6:37 AM, jim jim wrote:
>
>
>
> HELP
> I suddenly did the Orion 565 100 Hz frequency shift upwardsHELP
> knowing
> ver.3.032
>
> Jim sv7boy
>
> [Non-text portions of this message have been removed]
>
>
>
>

8984. Happy New Year

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-31 15:36:21 UTC
From: orion565-owner@yahoogroups.com
Topic: 8984 Message: 8984

As we end 2012 I would like to thank all of our 815 reflector members for their participation in Orion 565/566.

A Healthy and Happy 2013 to all of you.

73 and Happy DXing,

Mike
W2AJI
Owner Orion 565/566 Reflector

8985. Re: [orion565] Happy New Year

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-31 15:42:08 UTC
From: Jim Koshmider
Topic: 8984 Message: 8985

Thanks, Mike -

Happy New Year to you, too!

73,

Jim, K8OZ

From: "orion565-owner@yahoogroups.com" <orion565-owner@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Monday, December 31, 2012 8:36 AM
Subject: [orion565] Happy New Year

As we end 2012 I would like to thank all of our 815 reflector members for their participation in Orion 565/566.

A Healthy and Happy 2013 to all of you.

73 and Happy DXing,

Mike
W2AJI
Owner Orion 565/566 Reflector

[Non-text portions of this message have been removed]

8986. Re: [orion565] Happy New Year

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-31 15:56:02 UTC
From: Ron
Topic: 8984 Message: 8986

And the same to you Mike.

Ron/N5QV

From: "orion565-owner@yahoogroups.com" <orion565-owner@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Monday, December 31, 2012 9:36 AM
Subject: [orion565] Happy New Year

As we end 2012 I would like to thank all of our 815 reflector members for their participation in Orion 565/566.

A Healthy and Happy 2013 to all of you.

73 and Happy DXing,

Mike
W2AJI
Owner Orion 565/566 Reflector

[Non-text portions of this message have been removed]

8987. Re: [orion565] Re: New meter behavior

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-31 18:25:02 UTC
From: W3ETC
Topic: 8964 Message: 8987

Just performed the upgrade today and like what I see. The meter is consistent through all agc settings and rig sounds mighty fine !

73s Happy New Year

Ed W3ETC

From: Peter Frenning [OZ1PIF] <peter@...>
To: orion565@yahoogroups.com
Cc: Marty Young <w4my@...>
Sent: Monday, December 31, 2012 7:10 AM
Subject: Re: [orion565] Re: New meter behavior

Den 31-12-2012 12:56, Marty Young skrev:
> I did this upgrade and like it very much. Nice improvement! Happy New Year everyone.
>
> 73 Marty / W4MY
> -----------
Me too, I finally took the plunge and did the update last night - love
it! (I never liked the "follow the AGC" behaviour)
Happy New Year everyone.

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Genius is one per cent inspiration, **
** and ninety-nine per cent   **
** perspiration.   **
**   -- Thomas A. Edison **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

Yahoo! Groups Links

[Non-text portions of this message have been removed]

8988. Σχετ: [orion565] Σχετ: orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-31 21:03:57 UTC
From: jim jim
Topic: 8977 Message: 8988

Happy New Year to you also
If a station is 3.700KHz my own station listens 3.690KHz

sv7boy

Απο: Bruce Small <BruceSmall73@...>
Προς: orion565@yahoogroups.com
Στάλθηκε: 4:06 μ.μ. Δευτέρα, 31 Δεκεμβρίου 2012
Θέμα: Re: [orion565] Σχετ: orion 565

Did you push the STEP button to the right of the display screen? That changes the tuning rate 1Hz -> 10Hz -> 100Hz -> 1KHz -> 5KHz -> 10KHz -> 100KHz.

-Bruce, KM2L

On 12/31/2012 6:37 AM, jim jim wrote:
>
>
>
> HELP
> I suddenly did the Orion 565 100 Hz frequency shift upwardsHELP
> knowing
> ver.3.032
>
> Jim sv7boy
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

8989. Re: [orion565] Thank You Ten Tec, John Henrey & the Engineering Team.

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-31 21:09:46 UTC
From: Dick W4WU
Topic: 8965 Message: 8989

I couldn't agree more! Keep up the good work John and the rest of the staff at Ten-Tec.
I've tried just about the rest of the radios and really like my Orion II. Happy New Year to everyone on the list.
Dick W4WU

8990. Re: [orion565] Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-31 21:12:58 UTC
From: Jerry Rogers
Topic: 8982 Message: 8990

Gave my Orion II the test, and it also distorts.

Jerry, ki4ps

On Dec 31, 2012, at 7:15 AM, kc2qma <john-m-junk@...> wrote:

> I found what seems to be a possible bug; I have been able to do this in OS version 3.029 and the latest version 3.033xa. I just want to see if anyone else can reproduce this.
>
> Sometimes I like to soften the receive audio by lowering the DSP filter length in the filter menu. It makes listening for long periods a little less fatiguing on my ears.
>
> OK so here is the problem, if I lower the DSP filter taps to below 47 and then adjust the Bandwidth down and then back up I get audio distortion. Now once you re-adjust the DSP taps the audio clears back up.
>
> So here is how to test and see if others can reproduce this.
> 1. Tune to a good signal. It does not matter what mode (LSB, USB or AM) however a phone signal will be the best. CW may be hard to detect.
> 2. Go to the FILTER MENU then move VFO A to highlight "DSP Filter length"
> 3. (DSP Filter Length) Adjust the taps down to 32.
> 4. Then exit menu.
> 5. Adjust the bandwidth control all the way down, then back up to a normal setting anywhere from 2000 to 4000.
> Do you here audio distortion?
>
> Now don't worry you can clear the distortion by just going back to the DSP Filter Length and turning back up to 199.
>
> Now this is not a big problem but may indicate a small bug that if corrected May or may not improve the overall receive audio?
>
> (Now some may say like the old joke "Doctor it hurts when I do this" and the doctor says "then don't do that")
>
> Anyway just wanted to see if anyone else can recreate this.
>
> That said I LOVE the new meter update works AWESOME!
>
> 73, KC2QMA
> HAPPY NEW YEAR!
>
>

[Non-text portions of this message have been removed]

8991. Re: Σχετ: [orion565] Σχετ: orion 5 65

Yahoo group: orion565 (2009 — 2013)
Date: 2012-12-31 23:00:08 UTC
From: Bruce Small
Topic: 8977 Message: 8991

Make sure the RIT is off or set to zero.

On 12/31/2012 4:03 PM, jim jim wrote:
>
>
>
> Happy New Year to you also
> If a station is 3.700KHz my own station listens 3.690KHz
>
> sv7boy
>
>

[Non-text portions of this message have been removed]

8992. Re: [orion565] Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-01 01:45:26 UTC
From: Wayne Staples
Topic: 8982 Message: 8992

On 31/12/12 22:15, kc2qma wrote:
> I found what seems to be a possible bug; I have been able to do this in OS version 3.029 and the latest version 3.033xa. I just want to see if anyone else can reproduce this.
>
> Sometimes I like to soften the receive audio by lowering the DSP filter length in the filter menu. It makes listening for long periods a little less fatiguing on my ears.
>
> OK so here is the problem, if I lower the DSP filter taps to below 47 and then adjust the Bandwidth down and then back up I get audio distortion. Now once you re-adjust the DSP taps the audio clears back up.
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> So here is how to test and see if others can reproduce this.
> 1. Tune to a good signal. It does not matter what mode (LSB, USB or AM) however a phone signal will be the best. CW may be hard to detect.
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> 3. (DSP Filter Length) Adjust the taps down to 32.
> 4. Then exit menu.
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> Do you here audio distortion?
>
> Now don't worry you can clear the distortion by just going back to the DSP Filter Length and turning back up to 199.
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> Now this is not a big problem but may indicate a small bug that if corrected May or may not improve the overall receive audio?
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> (Now some may say like the old joke "Doctor it hurts when I do this" and the doctor says "then don't do that")
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> Anyway just wanted to see if anyone else can recreate this.
>
> That said I LOVE the new meter update works AWESOME!
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> 73, KC2QMA
> HAPPY NEW YEAR!
>
>
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>
>
> Yahoo! Groups Links
>

>
>
recent update for the for the Orion 565 is 3.032. I did your test and
my audio did not distort. If you have a Orion565 and you are updateing
with Orion 566 firmware that may affect your Orion565 adversley..

If you a Orion 566 it is obviousley a bug.

I have a Orion 1 565 with Vers 2 Mod

Wayne VK4EU

[Non-text portions of this message have been removed]

8993. Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-01 02:09:59 UTC
From: kc2qma
Topic: 8982 Message: 8993

THIS IS FOR THE 566 Orion II ONLY.
But is sounds like it does NOT do this on the 565 Orion.
Thanks Wayne for testing on your 565 Orion.

--- In orion565@yahoogroups.com, Wayne Staples <vk4eu@...> wrote:
>
> On 31/12/12 22:15, kc2qma wrote:
> > I found what seems to be a possible bug; I have been able to do this in OS version 3.029 and the latest version 3.033xa. I just want to see if anyone else can reproduce this.
> >
> > Sometimes I like to soften the receive audio by lowering the DSP filter length in the filter menu. It makes listening for long periods a little less fatiguing on my ears.
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> > OK so here is the problem, if I lower the DSP filter taps to below 47 and then adjust the Bandwidth down and then back up I get audio distortion. Now once you re-adjust the DSP taps the audio clears back up.
> >
> > So here is how to test and see if others can reproduce this.
> > 1. Tune to a good signal. It does not matter what mode (LSB, USB or AM) however a phone signal will be the best. CW may be hard to detect.
> > 2. Go to the FILTER MENU then move VFO A to highlight "DSP Filter length"
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> with Orion 566 firmware that may affect your Orion565 adversley..
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> If you a Orion 566 it is obviousley a bug.
>
> I have a Orion 1 565 with Vers 2 Mod
>
> Wayne VK4EU
>
>
>
>
> [Non-text portions of this message have been removed]
>

8994. Re: Σχετ: [orion565] Σχετ: orion 5 65

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-01 05:17:29 UTC
From: Tony Sokol
Topic: 8977 Message: 8994

Jim,
What mode are you using? I had a similar problem and realized I was
listening to SSB in the LCW mode. It sounded ok but the frequency was off.

Happy New Year
Tony - W9JXN

On 12/31/2012 5:00 PM, Bruce Small wrote:
>
> Make sure the RIT is off or set to zero.
>
> On 12/31/2012 4:03 PM, jim jim wrote:
> >
> >
> >
> > Happy New Year to you also
> > If a station is 3.700KHz my own station listens 3.690KHz
> >
> > sv7boy
> >
> >
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

8995. RE: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-01 11:17:25 UTC
From: Martin Sole
Topic: 8982 Message: 8995

I get this on my 565 v3.032. Dropping the filter length to minimum 32 then listening to a voice signal if the bandwidth is reduced and then returned to normal, actually I think it needed to go above 2400Hz then the audio went all weird and changes dramatically with further changes in the bandwidth control. Just initial tests here, nothing specific.

I also find listening with the smoother filter slope to be much less fatiguing.

I also note the SAF does not seem to survive power cycling. The display still shows it active but it is definitely out of circuit until cycled around with the SAF button. Not tried to see if it does that with the notch function instead of the SAF.

Cheers
Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of kc2qma
Sent: 01 January 2013 09:10
To: orion565@yahoogroups.com
Subject: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

THIS IS FOR THE 566 Orion II ONLY.
But is sounds like it does NOT do this on the 565 Orion.
Thanks Wayne for testing on your 565 Orion.

--- In orion565@yahoogroups.com, Wayne Staples <vk4eu@...> wrote:
>
> On 31/12/12 22:15, kc2qma wrote:
> > I found what seems to be a possible bug; I have been able to do this in OS version 3.029 and the latest version 3.033xa. I just want to see if anyone else can reproduce this.
> >
> > Sometimes I like to soften the receive audio by lowering the DSP filter length in the filter menu. It makes listening for long periods a little less fatiguing on my ears.
> >
> > OK so here is the problem, if I lower the DSP filter taps to below 47 and then adjust the Bandwidth down and then back up I get audio distortion. Now once you re-adjust the DSP taps the audio clears back up.
> >
> > So here is how to test and see if others can reproduce this.

> > 1. Tune to a good signal. It does not matter what mode (LSB, USB or AM)
however a phone signal will be the best. CW may be hard to detect.
> > 2. Go to the FILTER MENU then move VFO A to highlight "DSP Filter
length"
> > 3. (DSP Filter Length) Adjust the taps down to 32.
> > 4. Then exit menu.
> > 5. Adjust the bandwidth control all the way down, then back up to a
normal setting anywhere from 2000 to 4000.
> > Do you here audio distortion?
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> > Now don't worry you can clear the distortion by just going back to the
DSP Filter Length and turning back up to 199.
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> > Now this is not a big problem but may indicate a small bug that if
corrected May or may not improve the overall receive audio?
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> > (Now some may say like the old joke "Doctor it hurts when I do this"
> > and the doctor says "then don't do that")
> >
> > Anyway just wanted to see if anyone else can recreate this.
> >
> > That said I LOVE the new meter update works AWESOME!
> >
> > 73, KC2QMA
> > HAPPY NEW YEAR!
> >
> >
> >
> > ------------------------------------
> >
> >
> > Yahoo! Groups Links
> >
> >
> >
> recent update for the for the Orion 565 is 3.032. I did your test and
> my audio did not distort. If you have a Orion565 and you are updateing
> with Orion 566 firmware that may affect your Orion565 adversley..
>
> If you a Orion 566 it is obviousley a bug.
>
> I have a Orion 1 565 with Vers 2 Mod
>
> Wayne VK4EU
>
>
>
>
> [Non-text portions of this message have been removed]
>

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2221 / Virus Database: 2637/5500 - Release Date: 12/31/12

8996. Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-01 12:30:00 UTC
From: Barry N1EU
Topic: 8982 Message: 8996

I don't get this at all on my 565 v3.032 - sounds fine with 32 taps and varying bandwidth.

I think the SAF power cycling is a known minor issue.

73 & HNY,
Barry N1EU

On Tue, Jan 1, 2013 at 11:17 AM, Martin Sole <hs0zed@csloxinfo.com> wrote:

> **
>
>
> I get this on my 565 v3.032. Dropping the filter length to minimum 32 then
> listening to a voice signal if the bandwidth is reduced and then returned
> to
> normal, actually I think it needed to go above 2400Hz then the audio went
> all weird and changes dramatically with further changes in the bandwidth
> control. Just initial tests here, nothing specific.
>
> I also find listening with the smoother filter slope to be much less
> fatiguing.
>
> I also note the SAF does not seem to survive power cycling. The display
> still shows it active but it is definitely out of circuit until cycled
> around with the SAF button. Not tried to see if it does that with the notch
> function instead of the SAF.
>
> Cheers
> Martin, HS0ZED
>
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of kc2qma
> Sent: 01 January 2013 09:10
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you
> can reproduce...
>
> THIS IS FOR THE 566 Orion II ONLY.
> But is sounds like it does NOT do this on the 565 Orion.
> Thanks Wayne for testing on your 565 Orion.
>
> --- In orion565@yahoogroups.com, Wayne Staples <vk4eu@...> wrote:

> >
> > On 31/12/12 22:15, kc2qma wrote:
> > > I found what seems to be a possible bug; I have been able to do this in
> OS version 3.029 and the latest version 3.033xa. I just want to see if
> anyone else can reproduce this.
> > >
> > > Sometimes I like to soften the receive audio by lowering the DSP filter
> length in the filter menu. It makes listening for long periods a little
> less
> fatiguing on my ears.
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> > > OK so here is the problem, if I lower the DSP filter taps to below 47
> and then adjust the Bandwidth down and then back up I get audio distortion.
> Now once you re-adjust the DSP taps the audio clears back up.
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> > > So here is how to test and see if others can reproduce this.
> > > 1. Tune to a good signal. It does not matter what mode (LSB, USB or AM)
> however a phone signal will be the best. CW may be hard to detect.
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> > > Now don't worry you can clear the distortion by just going back to the
> DSP Filter Length and turning back up to 199.
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> > > Now this is not a big problem but may indicate a small bug that if
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> > > (Now some may say like the old joke "Doctor it hurts when I do this"
> > > and the doctor says "then don't do that")
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> > > Anyway just wanted to see if anyone else can recreate this.
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> > > That said I LOVE the new meter update works AWESOME!
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> > > 73, KC2QMA
> > > HAPPY NEW YEAR!
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> > >
> > >
> > > ------------------------------------
> > >
> > >
> > > Yahoo! Groups Links
> > >
> > >

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> > recent update for the for the Orion 565 is 3.032. I did your test and
> > my audio did not distort. If you have a Orion565 and you are updateing
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> > I have a Orion 1 565 with Vers 2 Mod
> >
> > Wayne VK4EU
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
> ------------------------------------
>
> Yahoo! Groups Links
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.2221 / Virus Database: 2637/5500 - Release Date: 12/31/12
>
>
>

[Non-text portions of this message have been removed]

8997. RE: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-01 12:38:32 UTC
From: Martin Sole
Topic: 8982 Message: 8997

After you reduced the taps to 32 you must next turn the bandwidth all the way to the minimum 100Hz, then increase for the strange audio. It sounds like at certain bandwidth setting once this starts to happen the bandwidth is changing from that displayed to a much wider value, like about 4000Hz and then at the next step dropping back where it should be.

Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: 01 January 2013 19:30
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

I don't get this at all on my 565 v3.032 - sounds fine with 32 taps and varying bandwidth.

I think the SAF power cycling is a known minor issue.

73 & HNY,
Barry N1EU

On Tue, Jan 1, 2013 at 11:17 AM, Martin Sole <hs0zed@...> wrote:

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> I also note the SAF does not seem to survive power cycling. The
> display still shows it active but it is definitely out of circuit
> until cycled around with the SAF button. Not tried to see if it does
> that with the notch function instead of the SAF.
>
> Cheers
> Martin, HS0ZED
>
>
> -----Original Message-----

> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf Of kc2qma
> Sent: 01 January 2013 09:10
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if
> you can reproduce...
>
> THIS IS FOR THE 566 Orion II ONLY.
> But is sounds like it does NOT do this on the 565 Orion.
> Thanks Wayne for testing on your 565 Orion.
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> --- In orion565@yahoogroups.com, Wayne Staples <vk4eu@...> wrote:
> >
> > On 31/12/12 22:15, kc2qma wrote:
> > > I found what seems to be a possible bug; I have been able to do
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> > > (Now some may say like the old joke "Doctor it hurts when I do this"

> > > and the doctor says "then don't do that")
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> > > 73, KC2QMA
> > > HAPPY NEW YEAR!
> > >
> > >
> > >
> > > ------------------------------------
> > >
> > >
> > > Yahoo! Groups Links
> > >
> > >
> > >
> > recent update for the for the Orion 565 is 3.032. I did your test
> > and my audio did not distort. If you have a Orion565 and you are
> > updateing with Orion 566 firmware that may affect your Orion565 adversley..
> >
> > If you a Orion 566 it is obviousley a bug.
> >
> > I have a Orion 1 565 with Vers 2 Mod
> >
> > Wayne VK4EU
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> >
> > [Non-text portions of this message have been removed]
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> ------------------------------------
>
> Yahoo! Groups Links
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.2221 / Virus Database: 2637/5500 - Release Date:
> 12/31/12
>
>
>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2221 / Virus Database: 2637/5500 - Release Date: 12/31/12

8998. Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-01 12:44:07 UTC
From: Barry N1EU
Topic: 8982 Message: 8998

Yes - now that I reduced it all the way down to 100hz and then increased,
the audio is totally screwed up - sounds scratchy/thin/distorted.
Restoring the taps to 199 and power cycling hasn't restored normal audio.
How do you restore normal operation after this little trick?

73,
Barry N1EU

On Tue, Jan 1, 2013 at 12:38 PM, Martin Sole <hs0zed@...> wrote:

> **
>
>
> After you reduced the taps to 32 you must next turn the bandwidth all the
> way to the minimum 100Hz, then increase for the strange audio. It sounds
> like at certain bandwidth setting once this starts to happen the bandwidth
> is changing from that displayed to a much wider value, like about 4000Hz
> and then at the next step dropping back where it should be.
>
> Martin, HS0ZED
>
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf Of Barry N1EU
> Sent: 01 January 2013 19:30
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if
> you can reproduce...
>
> I don't get this at all on my 565 v3.032 - sounds fine with 32 taps and
> varying bandwidth.
>
> I think the SAF power cycling is a known minor issue.
>
> 73 & HNY,
> Barry N1EU
>
> On Tue, Jan 1, 2013 at 11:17 AM, Martin Sole <hs0zed@...> wrote:
>
> > **
>
> >
> >
> >

> > I get this on my 565 v3.032. Dropping the filter length to minimum 32
> > then listening to a voice signal if the bandwidth is reduced and then
> > returned to normal, actually I think it needed to go above 2400Hz then
> > the audio went all weird and changes dramatically with further changes
> > in the bandwidth control. Just initial tests here, nothing specific.
> >
> > I also find listening with the smoother filter slope to be much less
> > fatiguing.
> >
> > I also note the SAF does not seem to survive power cycling. The
> > display still shows it active but it is definitely out of circuit
> > until cycled around with the SAF button. Not tried to see if it does
> > that with the notch function instead of the SAF.
> >
> > Cheers
> > Martin, HS0ZED
> >
> >
> > -----Original Message-----
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> > Behalf Of kc2qma
> > Sent: 01 January 2013 09:10
> > To: orion565@yahoogroups.com
> > Subject: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if
> > you can reproduce...
> >
> > THIS IS FOR THE 566 Orion II ONLY.
> > But is sounds like it does NOT do this on the 565 Orion.
> > Thanks Wayne for testing on your 565 Orion.
> >
> > --- In orion565@yahoogroups.com, Wayne Staples <vk4eu@...> wrote:
> > >
> > > On 31/12/12 22:15, kc2qma wrote:
> > > > I found what seems to be a possible bug; I have been able to do
> > > > this in
> > OS version 3.029 and the latest version 3.033xa. I just want to see if
> > anyone else can reproduce this.
> > > > >
> > > > Sometimes I like to soften the receive audio by lowering the DSP
> > > > filter
> > length in the filter menu. It makes listening for long periods a
> > little less fatiguing on my ears.
> > > > >
> > > > OK so here is the problem, if I lower the DSP filter taps to below
> > > > 47
> > and then adjust the Bandwidth down and then back up I get audio
> distortion.
> > Now once you re-adjust the DSP taps the audio clears back up.
> > > > >
> > > > So here is how to test and see if others can reproduce this.

> > > > 1. Tune to a good signal. It does not matter what mode (LSB, USB
> > > > or AM)
> > however a phone signal will be the best. CW may be hard to detect.
> > > > 2. Go to the FILTER MENU then move VFO A to highlight "DSP Filter
> > length"
> > > > 3. (DSP Filter Length) Adjust the taps down to 32.
> > > > 4. Then exit menu.
> > > > 5. Adjust the bandwidth control all the way down, then back up to
> > > > a
> > normal setting anywhere from 2000 to 4000.
> > > > Do you here audio distortion?
> > > >
> > > > Now don't worry you can clear the distortion by just going back to
> > > > the
> > DSP Filter Length and turning back up to 199.
> > > >
> > > > Now this is not a big problem but may indicate a small bug that if
> > corrected May or may not improve the overall receive audio?
> > > >
> > > > (Now some may say like the old joke "Doctor it hurts when I do this"
> > > > and the doctor says "then don't do that")
> > > >
> > > > Anyway just wanted to see if anyone else can recreate this.
> > > >
> > > > That said I LOVE the new meter update works AWESOME!
> > > >
> > > > 73, KC2QMA
> > > > HAPPY NEW YEAR!
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> > > >
> > > >
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> > > >
> > > > Yahoo! Groups Links
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> > > >
> > > recent update for the for the Orion 565 is 3.032. I did your test
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> > > updateing with Orion 566 firmware that may affect your Orion565
> adversley..
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> > > If you a Orion 566 it is obviousley a bug.
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> > > I have a Orion 1 565 with Vers 2 Mod
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> > > Wayne VK4EU
> > >
> > >

> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
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> > ------------------------------------
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> > No virus found in this message.
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> [Non-text portions of this message have been removed]
>
> ------------------------------------
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> Version: 2012.0.2221 / Virus Database: 2637/5500 - Release Date: 12/31/12
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[Non-text portions of this message have been removed]

8999. RE: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-01 13:22:32 UTC
From: Martin Sole
Topic: 8982 Message: 8999

Ooh-er, now that's a bit worrying. Mine resets once the filter taps are reset to 199.
Master reset?
Call Ten-Tec?

Hopefully you have it fixed already. I would classify this as a minor inconvenience, like the SAF issue, but for the fact you seem to have made it more permanent.

Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: 01 January 2013 19:44
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yes - now that I reduced it all the way down to 100hz and then increased, the audio is totally screwed up - sounds scratchy/thin/distorted.
Restoring the taps to 199 and power cycling hasn't restored normal audio.
How do you restore normal operation after this little trick?

73,
Barry N1EU

On Tue, Jan 1, 2013 at 12:38 PM, Martin Sole <hs0zed@...> wrote:

> **
>
>
> After you reduced the taps to 32 you must next turn the bandwidth all
> the way to the minimum 100Hz, then increase for the strange audio. It
> sounds like at certain bandwidth setting once this starts to happen
> the bandwidth is changing from that displayed to a much wider value,
> like about 4000Hz and then at the next step dropping back where it should be.
>
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>
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf Of Barry N1EU
> Sent: 01 January 2013 19:30
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets
> see if you can reproduce...

>
> I don't get this at all on my 565 v3.032 - sounds fine with 32 taps
> and varying bandwidth.
>
> I think the SAF power cycling is a known minor issue.
>
> 73 & HNY,
> Barry N1EU
>
> On Tue, Jan 1, 2013 at 11:17 AM, Martin Sole <hs0zed@csloxinfo.com> wrote:
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>
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> > I get this on my 565 v3.032. Dropping the filter length to minimum
> > 32 then listening to a voice signal if the bandwidth is reduced and
> > then returned to normal, actually I think it needed to go above
> > 2400Hz then the audio went all weird and changes dramatically with
> > further changes in the bandwidth control. Just initial tests here, nothing specific.
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> > > I also find listening with the smoother filter slope to be much less
> > > fatiguing.
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> > > that with the notch function instead of the SAF.
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> > > Martin, HS0ZED
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> > >
> > > -----Original Message-----
> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> > > Behalf Of kc2qma
> > > Sent: 01 January 2013 09:10
> > > To: orion565@yahoogroups.com
> > > Subject: [orion565] Re: Possible BUG in DSP Filter Length. Lets see
> > > if you can reproduce...
> > >
> > > THIS IS FOR THE 566 Orion II ONLY.
> > > But is sounds like it does NOT do this on the 565 Orion.
> > > Thanks Wayne for testing on your 565 Orion.
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> > > --- In orion565@yahoogroups.com, Wayne Staples <vk4eu@...> wrote:
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> > > > On 31/12/12 22:15, kc2qma wrote:
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> > OS version 3.029 and the latest version 3.033xa. I just want to see
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> > > > Sometimes I like to soften the receive audio by lowering the DSP
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> > length in the filter menu. It makes listening for long periods a
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> > and then adjust the Bandwidth down and then back up I get audio
> distortion.
> > Now once you re-adjust the DSP taps the audio clears back up.
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> > > > So here is how to test and see if others can reproduce this.
> > > > 1. Tune to a good signal. It does not matter what mode (LSB, USB
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> > however a phone signal will be the best. CW may be hard to detect.
> > > > 2. Go to the FILTER MENU then move VFO A to highlight "DSP
> > > > Filter
> > length"
> > > > 3. (DSP Filter Length) Adjust the taps down to 32.
> > > > 4. Then exit menu.
> > > > 5. Adjust the bandwidth control all the way down, then back up
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> > normal setting anywhere from 2000 to 4000.
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> > > > Now don't worry you can clear the distortion by just going back
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> > > > Now this is not a big problem but may indicate a small bug that
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> > corrected May or may not improve the overall receive audio?
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> > > > (Now some may say like the old joke "Doctor it hurts when I do this"
> > > > and the doctor says "then don't do that")
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> > > > Anyway just wanted to see if anyone else can recreate this.
> > > >
> > > > That said I LOVE the new meter update works AWESOME!
> > > >
> > > > 73, KC2QMA
> > > > HAPPY NEW YEAR!
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> > > Wayne VK4EU
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> > >
> > > [Non-text portions of this message have been removed]
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> > ------------------------------------
> >
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> > -----
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2221 / Virus Database: 2637/5500 - Release Date: 12/31/12

9000. Re: Is it me or does the Orion II sound a little better after Update?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-01 15:08:27 UTC
From: Terry
Topic: 8972 Message: 9000

After the upgrade my Orion 2 sounds better than ever. I love this radio.

--- In orion565@yahoogroups.com, "kc2qma" <john-m-junk@...> wrote:
>
> Is it me or does the Orion sound better after Update?
>
> I have been listening to my Orion II for the past few days and I can't put my finger on it but it seems to sound a little better? I still have all my original settings but audio seems to have more punch?
> ????
> kc2qm
>

9001. Re: [orion565] Re: Is it me or does the Orion II sound a little better after Update?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-01 15:46:52 UTC
From: Sam W Jacobs CET
Topic: 8972 Message: 9001

I still wish we had more display color control options.

I would love to be able to set my own background color, color for the main and sub receivers, lower menu, sweep colors, etc. I don't see how this would be hard to do.

I realize this has nothing to do with how well the ORION II operates, but it sure would make this operator happy.

T*T could also incorporate different Fonts into this.

I was also thinking that a clock would be nice since it "does" have that capability. That way you could also have a turn on / turn off time set and timer off (30/60/90/120) And while I'm on a roll, how about a security lock. Like entering a 5 digit code (if enabled) to unlock the radio. This would prevent unauthorized operation (or unauthorized transmit).

How about incorporating Julius's (W2IHY) 8 band EQ for audio ? I think Flex is doing that now as well as Kenwood (BTW, look for a new product sometime this year from Julius Jones, a new 16 band (?) EQ incorporating his EQPlus into it).

I have a few other ideas too but don't want to overload the reflector.

HAPPY NEW YEAR TO ALL from Butler, Pa.

73 !

Sam
K3SAM

From: Terry <ac5deltafox@...>
To: orion565@yahoogroups.com
Sent: Tuesday, January 1, 2013 10:08 AM
Subject: [orion565] Re: Is it me or does the Orion II sound a little better after Update?

After the upgrade my Orion 2 sounds better than ever. I love this radio.

--- In orion565@yahoogroups.com, "kc2qma" <john-m-junk@...> wrote:
>
> Is it me or does the Orion sound better after Update?
>
> I have been listening to my Orion II for the past few days and I can't put my finger on it but it seems to sound a little better? I still have all my original settings but audio seems to have more punch?
> ????
> kc2qm

>

[Non-text portions of this message have been removed]

9002. Re: firmware upgrade meter action

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-01 15:49:55 UTC
From: James Skalski
Topic: 9002 Message: 9002

I like the meter action in the latest upgrade. I like being able to see the level of background noise and weaker signals in the passband.
My volume control doesn't change the S-meter setting and I feel that the AGC shouldn't either. On the other hand some feel differently. To accommodate the most users, I suggest that it should be a menu option to have the S-meter react to the AGC setting. This is only a preference and there is no right or wrong. I don't need anyone to brow beat me telling me what I should like ore prefer :) There is no need for a D.A club number :)
No need to bristle when you give an opinion.
Jim n2go

[Non-text portions of this message have been removed]

9003. Display color, clock, recorder.....

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-01 17:22:55 UTC
From: Frankie
Topic: 8972 Message: 9003

There are 3 things I would like to change. Minor, but they would make the Orion nearly perfect for me.

1. The display color choices are not what I like. I only like/use Color 4. The only other choice that I even like is Color 3 however it seems to flicker so I don't use that one. So, I too would like more display options, especially ones with a black background.

I think this would be an interesting Poll for this group. "Which LCD Display Color do you use on the Orion II?"

I came from an Icom IC756 PRO II several years ago and I do miss 2 options from that radio.

2. I would like to have a clock displayed. Yes, I have other clocks in the shack but I find it handy to have one on the radio display.

3. I really miss having a recorder built into the radio. I dont need one to play back on the air, I can do that with the pc if I need to. I am talking about an audio recorder that will play back just the audio.

Often times when listening to a very weak station making multiple QSOs I could record the station when he gave his call sign. I would then play it back on the Icom several times allowing me to figure out what the call is or just double check that I got it right the first time. Or..... listening to a group on 75 meters the entire group gives their calls within a 3 second window. I could play that back, writing down each call. I have adapted using other methods such as Audacity on the pc, a mini cassette recorder, or an Olympus MP3 recorder, but each of these has its drawbacks. None are nearly as convenient to us as the Icom method was.

I really like the Orion II.

I have had it for quite some time and would not do an even swap for ANY radio. (unless I could sell the new radio and buy a couple more Orions to use!!)

Frankie
K4TEN

--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> I still wish we had more display color control options.
>
> I would love to be able to set my own background color, color for the main and sub
> receivers, lower menu, sweep colors, etc.Â I don't see how this would be hard to do.
>
> I realize this has nothing to do with how well the ORION II operates, but it sure would
> make this operator happy.
>
> T*T could also incorporate different Fonts into this.

>
> I was also thinking that a clock would be nice since it "does" have that capability.Â That
> way you could also have a turn on / turn off time set and timer off (30/60/90/120)Â And
> while I'm on a roll, how about a security lock.Â Like entering a 5 digit code (if enabled)
> to unlock the radio.Â This would prevent unauthorized operation (or unauthorized transmit).
>
> How about incorporating Julius's (W2IHY) 8 band EQ for audio ?Â I think Flex is doing that
> now as well as Kenwood (BTW, look for a new product sometime this year from Julius Jones, a
> new 16 band (?) EQ incorporating his EQPlus into it).
>
> I have a few other ideas too but don't want to overload the reflector.
>
> HAPPY NEW YEAR TO ALL from Butler, Pa.
>
>
> Â
> 73 !
>
> Sam
> K3SAM
>

9004. Re: [orion565] Display color, clock, recorder.....

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-01 18:04:05 UTC
From: K7FD
Topic: 8972 Message: 9004

Color 3, backlight set to Low.
>
>
> I think this would be an interesting Poll for this group. "Which LCD Display Color do you use on the Orion II?"
>
> I came from an Icom IC756 PRO II several years ago and I do miss 2 options from that radio.
>
> 2. I would like to have a clock displayed. Yes, I have other clocks in the shack but I find it handy to have one on the radio display.
>
> 3. I really miss having a recorder built into the radio. I dont need one to play back on the air, I can do that with the pc if I need to. I am talking about an audio recorder that will play back just the audio.
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> Often times when listening to a very weak station making multiple QSOs I could record the station when he gave his call sign. I would then play it back on the Icom several times allowing me to figure out what the call is or just double check that I got it right the first time. Or..... listening to a group on 75 meters the entire group gives their calls within a 3 second window. I could play that back, writing down each call. I have adapted using other methods such as Audacity on the pc, a mini cassette recorder, or an Olympus MP3 recorder, but each of these has its drawbacks. None are nearly as convenient to us as the Icom method was.
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> I have had it for quite some time and would not do an even swap for ANY radio. (unless I could sell the new radio and buy a couple more Orions to use!!)
>
> Frankie
> K4TEN
>
> --- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
> >
> > I still wish we had more display color control options.
> >
> > I would love to be able to set my own background color, color for the main and sub
> > receivers, lower menu, sweep colors, etc. I don't see how this would be hard to do.
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> > way you could also have a turn on / turn off time set and timer off (30/60/90/120) And
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> > I have a few other ideas too but don't want to overload the reflector.
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> > HAPPY NEW YEAR TO ALL from Butler, Pa.
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> > 73 !
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> > Sam
> > K3SAM
> >
>
>

[Non-text portions of this message have been removed]

9005. RE: [orion565] Display color, clock, recorder.....

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-01 18:14:38 UTC
From: George
Topic: 8972 Message: 9005

Here is my wish list.

1. S meter follows the AGC.

2. Real time band scope not 1 second behind.

Gosh, that□s about it as I□m very pleased with my O2. The display is full as I can see it and don□t know where a clock would be placed? I would say that the main frequency readout could be made a bit smaller, just saying.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Frankie
Sent: Tuesday, January 01, 2013 12:23 PM
To: orion565@yahoogroups.com
Subject: [orion565] Display color, clock, recorder.....

There are 3 things I would like to change. Minor, but they would make the Orion nearly perfect for me.

1. The display color choices are not what I like. I only like/use Color 4. The only other choice that I even like is Color 3 however it seems to flicker so I don't use that one. So, I too would like more display options, especially ones with a black background.

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2. I would like to have a clock displayed. Yes, I have other clocks in the shack but I find it handy to have one on the radio display.

3. I really miss having a recorder built into the radio. I dont need one to play back on the air, I can do that with the pc if I need to. I am talking about an audio recorder that will play back just the audio.

Often times when listening to a very weak station making multiple QSOs I could record the station when he gave his call sign. I would then play it back on the Icom several times allowing me to figure out what the call is or just double check that I got it right the first time. Or..... listening to a group on 75 meters the entire group gives their calls within a 3 second window. I could play that back, writing down each call. I have adapted using other methods such as Audacity on the pc, a mini cassette recorder, or an Olympus MP3 recorder, but each of these has its drawbacks. None are nearly as convenient to us as the Icom method was.

I really like the Orion II.

I have had it for quite some time and would not do an even swap for ANY radio. (unless I could sell the new radio and buy a couple more Orions to use!!)

Frankie
K4TEN

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , Sam W Jacobs CET <Sam@...> wrote:
>
> I still wish we had more display color control options.
>
> I would love to be able to set my own background color, color for the main and sub
> receivers, lower menu, sweep colors, etc.Â I don't see how this would be hard to do.
>
> I realize this has nothing to do with how well the ORION II operates, but it sure would
> make this operator happy.
>
> T*T could also incorporate different Fonts into this.
>
> I was also thinking that a clock would be nice since it "does" have that capability.Â That
> way you could also have a turn on / turn off time set and timer off (30/60/90/120)Â And
> while I'm on a roll, how about a security lock.Â Like entering a 5 digit code (if enabled)
> to unlock the radio.Â This would prevent unauthorized operation (or unauthorized transmit).
>
> How about incorporating Julius's (W2IHY) 8 band EQ for audio ?Â I think Flex is doing that
> now as well as Kenwood (BTW, look for a new product sometime this year from Julius Jones, a
> new 16 band (?) EQ incorporating his EQPlus into it).
>
> I have a few other ideas too but don't want to overload the reflector.
>
> HAPPY NEW YEAR TO ALL from Butler, Pa.
>
>
> Â
> 73 !
>
> Sam
> K3SAM
>

[Non-text portions of this message have been removed]

9006. RE: [orion565] Display color, clock, recorder.....

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-01 18:15:49 UTC
From: George
Topic: 8972 Message: 9006

I use display 4.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of K7FD
Sent: Tuesday, January 01, 2013 1:04 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Display color, clock, recorder.....

Color 3, backlight set to Low.
>
>
> I think this would be an interesting Poll for this group. "Which LCD Display Color do you use on the Orion II?"
>
> I came from an Icom IC756 PRO II several years ago and I do miss 2 options from that radio.
>
> 2. I would like to have a clock displayed. Yes, I have other clocks in the shack but I find it handy to have one on the radio display.
>
> 3. I really miss having a recorder built into the radio. I dont need one to play back on the air, I can do that with the pc if I need to. I am talking about an audio recorder that will play back just the audio.
>
> Often times when listening to a very weak station making multiple QSOs I could record the station when he gave his call sign. I would then play it back on the Icom several times allowing me to figure out what the call is or just double check that I got it right the first time. Or..... listening to a group on 75 meters the entire group gives their calls within a 3 second window. I could play that back, writing down each call. I have adapted using other methods such as Audacity on the pc, a mini cassette recorder, or an Olympus MP3 recorder, but each of these has its drawbacks. None are nearly as convenient to us as the Icom method was.
>
> I really like the Orion II.
>
> I have had it for quite some time and would not do an even swap for ANY radio. (unless I could sell the new radio and buy a couple more Orions to use!!)
>
> Frankie
> K4TEN
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , Sam W Jacobs CET <Sam@...> wrote:
> >
> > I still wish we had more display color control options.

> >
> > I would love to be able to set my own background color, color for the main and sub
> > receivers, lower menu, sweep colors, etc. I don't see how this would be hard to do.
> >
> > I realize this has nothing to do with how well the ORION II operates, but it sure would
> > make this operator happy.
> >
> > T*T could also incorporate different Fonts into this.
> >
> > I was also thinking that a clock would be nice since it "does" have that capability.
That
> > way you could also have a turn on / turn off time set and timer off (30/60/90/120) And
> > while I'm on a roll, how about a security lock. Like entering a 5 digit code (if
enabled)
> > to unlock the radio. This would prevent unauthorized operation (or unauthorized
transmit).
> >
> > How about incorporating Julius's (W2IHY) 8 band EQ for audio ? I think Flex is doing
that
> > now as well as Kenwood (BTW, look for a new product sometime this year from Julius
Jones, a
> > new 16 band (?) EQ incorporating his EQPlus into it).
> >
> > I have a few other ideas too but don't want to overload the reflector.
> >
> > HAPPY NEW YEAR TO ALL from Butler, Pa.
> >
> >
> >
> > 73 !
> >
> > Sam
> > K3SAM
> >
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9007. New poll for orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-01 18:27:53 UTC
From: orion565@yahoogroups.com
Topic: 7 Message: 9007

Enter your vote today! A new poll has been created for the
orion565 group:

Which LCD Display Color do you use on the Orion II?

o Color 1
o Color 2
o Color 3
o Color 4
o Color 5
o Color 6
o Color 7
o Color 8

To vote, please visit the following web page:
http://groups.yahoo.com/group/orion565/surveys?id=13164487

Note: Please do not reply to this message. Poll votes are
not collected via email. To vote, you must go to the Yahoo! Groups
web site listed above.

Thanks!

9008. Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-01 21:44:49 UTC
From: Barry N1EU
Topic: 8982 Message: 9008

Master Reset restored normal audio. In the future, I'll stay away from "Taps".

73,
Barry N1EU

On Tue, Jan 1, 2013 at 1:22 PM, Martin Sole <hs0zed@csloxinfo.com> wrote:

> **
>
>
> Ooh-er, now that's a bit worrying. Mine resets once the filter taps are
> reset to 199.
> Master reset?
> Call Ten-Tec?
>
> Hopefully you have it fixed already. I would classify this as a minor
> inconvenience, like the SAF issue, but for the fact you seem to have made
> it more permanent.
>
>
> Martin, HS0ZED
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf Of Barry N1EU
> Sent: 01 January 2013 19:44
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if
> you can reproduce...
>
> Yes - now that I reduced it all the way down to 100hz and then increased,
> the audio is totally screwed up - sounds scratchy/thin/distorted.
> Restoring the taps to 199 and power cycling hasn't restored normal audio.
> How do you restore normal operation after this little trick?
>
> 73,
> Barry N1EU
>
> On Tue, Jan 1, 2013 at 12:38 PM, Martin Sole <hs0zed@...> wrote:
>
> > **
>
> >

> >
> > After you reduced the taps to 32 you must next turn the bandwidth all
> > the way to the minimum 100Hz, then increase for the strange audio. It
> > sounds like at certain bandwidth setting once this starts to happen
> > the bandwidth is changing from that displayed to a much wider value,
> > like about 4000Hz and then at the next step dropping back where it
> should be.
> >
> > Martin, HS0ZED
> >
> >
> > -----Original Message-----
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> > Behalf Of Barry N1EU
> > Sent: 01 January 2013 19:30
> > To: orion565@yahoogroups.com
> > Subject: Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets
> > see if you can reproduce...
> >
> > I don't get this at all on my 565 v3.032 - sounds fine with 32 taps
> > and varying bandwidth.
> >
> > I think the SAF power cycling is a known minor issue.
> >
> > 73 & HNY,
> > Barry N1EU
> >
> > On Tue, Jan 1, 2013 at 11:17 AM, Martin Sole <hs0zed@...>
> wrote:
> >
> > > **
> >
> > >
> > >
> > > I get this on my 565 v3.032. Dropping the filter length to minimum
> > > 32 then listening to a voice signal if the bandwidth is reduced and
> > > then returned to normal, actually I think it needed to go above
> > > 2400Hz then the audio went all weird and changes dramatically with
> > > further changes in the bandwidth control. Just initial tests here,
> nothing specific.
> > >
> > > I also find listening with the smoother filter slope to be much less
> > > fatiguing.
> > >
> > > I also note the SAF does not seem to survive power cycling. The
> > > display still shows it active but it is definitely out of circuit
> > > until cycled around with the SAF button. Not tried to see if it does
> > > that with the notch function instead of the SAF.
> > >
> > > Cheers

> > > Martin, HS0ZED
> > >
> > >
> > > -----Original Message-----
> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> > > Behalf Of kc2qma
> > > Sent: 01 January 2013 09:10
> > > To: orion565@yahoogroups.com
> > > Subject: [orion565] Re: Possible BUG in DSP Filter Length. Lets see
> > > if you can reproduce...
> > >
> > > THIS IS FOR THE 566 Orion II ONLY.
> > > But is sounds like it does NOT do this on the 565 Orion.
> > > Thanks Wayne for testing on your 565 Orion.
> > >
> > > --- In orion565@yahoogroups.com, Wayne Staples <vk4eu@...> wrote:
> > > >
> > > > On 31/12/12 22:15, kc2qma wrote:
> > > > > I found what seems to be a possible bug; I have been able to do
> > > > > this in
> > > OS version 3.029 and the latest version 3.033xa. I just want to see
> > > if anyone else can reproduce this.
> > > > >
> > > > > Sometimes I like to soften the receive audio by lowering the DSP
> > > > > filter
> > > length in the filter menu. It makes listening for long periods a
> > > little less fatiguing on my ears.
> > > > >
> > > > > OK so here is the problem, if I lower the DSP filter taps to
> > > > > below
> > > > > 47
> > > and then adjust the Bandwidth down and then back up I get audio
> > distortion.
> > > Now once you re-adjust the DSP taps the audio clears back up.
> > > > >
> > > > > So here is how to test and see if others can reproduce this.
> > > > > 1. Tune to a good signal. It does not matter what mode (LSB, USB
> > > > > or AM)
> > > however a phone signal will be the best. CW may be hard to detect.
> > > > > 2. Go to the FILTER MENU then move VFO A to highlight "DSP
> > > > > Filter
> > > length"
> > > > > 3. (DSP Filter Length) Adjust the taps down to 32.
> > > > > 4. Then exit menu.
> > > > > 5. Adjust the bandwidth control all the way down, then back up
> > > > > to a
> > > normal setting anywhere from 2000 to 4000.
> > > > > Do you here audio distortion?
> > > > >
> > > > > Now don't worry you can clear the distortion by just going back

> > > > > to the
> > > DSP Filter Length and turning back up to 199.
> > > > >
> > > > > Now this is not a big problem but may indicate a small bug that
> > > > > if
> > > corrected May or may not improve the overall receive audio?
> > > > >
> > > > > (Now some may say like the old joke "Doctor it hurts when I do
> this"
> > > > > and the doctor says "then don't do that")
> > > > >
> > > > > Anyway just wanted to see if anyone else can recreate this.
> > > > >
> > > > > That said I LOVE the new meter update works AWESOME!
> > > > >
> > > > > 73, KC2QMA
> > > > > HAPPY NEW YEAR!
> > > > >
> > > > >
> > > > >
> > > > > ------------------------------------
> > > > >
> > > > >
> > > > > Yahoo! Groups Links
> > > > >
> > > > >
> > > > >
> > > > >
> > > > > recent update for the for the Orion 565 is 3.032. I did your test
> > > > > and my audio did not distort. If you have a Orion565 and you are
> > > > > updateing with Orion 566 firmware that may affect your Orion565
> > adversley..
> > > > >
> > > > > If you a Orion 566 it is obviousley a bug.
> > > > >
> > > > > I have a Orion 1 565 with Vers 2 Mod
> > > > >
> > > > > Wayne VK4EU
> > > > >
> > > > >
> > > > >
> > > > >
> > > > > [Non-text portions of this message have been removed]
> > > > >
> > > >
> > > > ------------------------------------
> > > >
> > > > Yahoo! Groups Links
> > > >
> > > > -----
> > > > No virus found in this message.

> > > Checked by AVG - www.avg.com
> > > Version: 2012.0.2221 / Virus Database: 2637/5500 - Release Date:
> > > 12/31/12
> > >
> > >
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> > ------------------------------------
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>
>
>

[Non-text portions of this message have been removed]

9009. Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-02 02:34:51 UTC
From: Martin Sole
Topic: 8982 Message: 9009

It does mean that the reduced fatigue due to smoother audio that results from a less than brickwall filter is not available though. Being able to adjust the shape of the filter as well as the bandwidth seems a most useful feature.

Martin, HS0ZED

On 02/01/13 04:44, Barry N1EU wrote:
> Master Reset restored normal audio. In the future, I'll stay away from
> "Taps".
>
> 73,
> Barry N1EU
>
> On Tue, Jan 1, 2013 at 1:22 PM, Martin Sole <hs0zed@...> wrote:
>
>> **
>>
>>
>> Ooh-er, now that's a bit worrying. Mine resets once the filter taps are
>> reset to 199.
>> Master reset?
>> Call Ten-Tec?
>>
>> Hopefully you have it fixed already. I would classify this as a minor
>> inconvenience, like the SAF issue, but for the fact you seem to have made
>> it more permanent.
>>
>>
>> Martin, HS0ZED
>>
>> -----Original Message-----
>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
>> Behalf Of Barry N1EU
>> Sent: 01 January 2013 19:44
>> To: orion565@yahoogroups.com
>> Subject: Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if
>> you can reproduce...
>>
>> Yes - now that I reduced it all the way down to 100hz and then increased,
>> the audio is totally screwed up - sounds scratchy/thin/distorted.
>> Restoring the taps to 199 and power cycling hasn't restored normal audio.
>> How do you restore normal operation after this little trick?
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>> Barry N1EU
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>> On Tue, Jan 1, 2013 at 12:38 PM, Martin Sole <hs0zed@...> wrote:
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>>> the way to the minimum 100Hz, then increase for the strange audio. It
>>> sounds like at certain bandwidth setting once this starts to happen
>>> the bandwidth is changing from that displayed to a much wider value,
>>> like about 4000Hz and then at the next step dropping back where it
>> should be.
>>> Martin, HS0ZED
>>>
>>>
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>>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
>>> Behalf Of Barry N1EU
>>> Sent: 01 January 2013 19:30
>>> To: orion565@yahoogroups.com
>>> Subject: Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets
>>> see if you can reproduce...
>>>
>>> I don't get this at all on my 565 v3.032 - sounds fine with 32 taps
>>> and varying bandwidth.
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>>> I think the SAF power cycling is a known minor issue.
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>>> 73 & HNY,
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>>> On Tue, Jan 1, 2013 at 11:17 AM, Martin Sole <hs0zed@...>
>> wrote:
>>>> **
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>>>> 32 then listening to a voice signal if the bandwidth is reduced and
>>>> then returned to normal, actually I think it needed to go above
>>>> 2400Hz then the audio went all weird and changes dramatically with
>>>> further changes in the bandwidth control. Just initial tests here,
>> nothing specific.
>>>> I also find listening with the smoother filter slope to be much less
>>>> fatiguing.
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>>>> I also note the SAF does not seem to survive power cycling. The
>>>> display still shows it active but it is definitely out of circuit
>>>> until cycled around with the SAF button. Not tried to see if it does
>>>> that with the notch function instead of the SAF.
>>>>

>>>> Cheers
>>>> Martin, HS0ZED
>>>>
>>>>
>>>> -----Original Message-----
>>>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
>>>> Behalf Of kc2qma
>>>> Sent: 01 January 2013 09:10
>>>> To: orion565@yahoogroups.com
>>>> Subject: [orion565] Re: Possible BUG in DSP Filter Length. Lets see
>>>> if you can reproduce...
>>>>
>>>> THIS IS FOR THE 566 Orion II ONLY.
>>>> But is sounds like it does NOT do this on the 565 Orion.
>>>> Thanks Wayne for testing on your 565 Orion.
>>>>
>>>> --- In orion565@yahoogroups.com, Wayne Staples <vk4eu@...> wrote:
>>>>> On 31/12/12 22:15, kc2qma wrote:
>>>>>> I found what seems to be a possible bug; I have been able to do
>>>>>> this in
>>>> OS version 3.029 and the latest version 3.033xa. I just want to see
>>>> if anyone else can reproduce this.
>>>>>> Sometimes I like to soften the receive audio by lowering the DSP
>>>>>> filter
>>>> length in the filter menu. It makes listening for long periods a
>>>> little less fatiguing on my ears.
>>>>>> OK so here is the problem, if I lower the DSP filter taps to
>>>>>> below
>>>>>> 47
>>>> and then adjust the Bandwidth down and then back up I get audio
>>> distortion.
>>>> Now once you re-adjust the DSP taps the audio clears back up.
>>>>>> So here is how to test and see if others can reproduce this.
>>>>>> 1. Tune to a good signal. It does not matter what mode (LSB, USB
>>>>>> or AM)
>>>> however a phone signal will be the best. CW may be hard to detect.
>>>>>> 2. Go to the FILTER MENU then move VFO A to highlight "DSP
>>>>>> Filter
>>>> length"
>>>>>> 3. (DSP Filter Length) Adjust the taps down to 32.
>>>>>> 4. Then exit menu.
>>>>>> 5. Adjust the bandwidth control all the way down, then back up
>>>>>> to a
>>>> normal setting anywhere from 2000 to 4000.
>>>>>> Do you here audio distortion?
>>>>>>
>>>>>> Now don't worry you can clear the distortion by just going back
>>>>>> to the
>>>> DSP Filter Length and turning back up to 199.
>>>>>> Now this is not a big problem but may indicate a small bug that

>>>>>> if
>>>> corrected May or may not improve the overall receive audio?
>>>>>> (Now some may say like the old joke "Doctor it hurts when I do
>> this"
>>>>>> and the doctor says "then don't do that")
>>>>>>
>>>>>> Anyway just wanted to see if anyone else can recreate this.
>>>>>>
>>>>>> That said I LOVE the new meter update works AWESOME!
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>>>>>> 73, KC2QMA
>>>>>> HAPPY NEW YEAR!
>>>>>>
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>>>>>> ------------------------------------
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>>>>>>
>>>>>> Yahoo! Groups Links
>>>>>>
>>>>>>
>>>>>>
>>>>> recent update for the for the Orion 565 is 3.032. I did your test
>>>>> and my audio did not distort. If you have a Orion565 and you are
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>>>>> If you a Orion 566 it is obviousley a bug.
>>>>>
>>>>> I have a Orion 1 565 with Vers 2 Mod
>>>>>
>>>>> Wayne VK4EU
>>>>>
>>>>>
>>>>>
>>>>>
>>>>> [Non-text portions of this message have been removed]
>>>>>
>>>> ------------------------------------
>>>>
>>>> Yahoo! Groups Links
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>>>> -----
>>>> No virus found in this message.
>>>> Checked by AVG - www.avg.com
>>>> Version: 2012.0.2221 / Virus Database: 2637/5500 - Release Date:
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> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>
>

9010. Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-02 11:39:28 UTC
From: Barry N1EU
Topic: 8982 Message: 9010

My Orion worked fine at 32 taps from 2000-4000hz selectivity. It was only
when I reduced BW to 100hz that it went haywire. Why anyone would want to
use 32 taps at 100hz is beyond me.

Or maybe I'm missing something . . .

73,
Barry N1EU

On Wed, Jan 2, 2013 at 2:34 AM, Martin Sole <hs0zed@...> wrote:

> It does mean that the reduced fatigue due to smoother audio that results
> from a less than brickwall filter is not available though. Being able to
> adjust the shape of the filter as well as the bandwidth seems a most useful
> feature.
>
> Martin, HS0ZED
>
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>
>
> On 02/01/13 04:44, Barry N1EU wrote:
>
>> Master Reset restored normal audio. In the future, I'll stay away from
>> "Taps".
>>
>> 73,
>> Barry N1EU
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>> On Tue, Jan 1, 2013 at 1:22 PM, Martin Sole <hs0zed@...> wrote:
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>>> Ooh-er, now that's a bit worrying. Mine resets once the filter taps are
>>> reset to 199.
>>> Master reset?
>>> Call Ten-Tec?
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>>> Hopefully you have it fixed already. I would classify this as a minor
>>> inconvenience, like the SAF issue, but for the fact you seem to have made
>>> it more permanent.
>>>

>>>
>>> Martin, HS0ZED
>>>
>>> -----Original Message-----
>>> From: orion565@yahoogroups.com
[mailto:orion565@yahoogroups.**com<orion565@yahoogroups.com>]
>>> On
>>> Behalf Of Barry N1EU
>>> Sent: 01 January 2013 19:44
>>> To: orion565@yahoogroups.com
>>> Subject: Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets see
>>> if
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>>> Yes - now that I reduced it all the way down to 100hz and then increased,
>>> the audio is totally screwed up - sounds scratchy/thin/distorted.
>>> Restoring the taps to 199 and power cycling hasn't restored normal audio.
>>> How do you restore normal operation after this little trick?
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>>> On Tue, Jan 1, 2013 at 12:38 PM, Martin Sole <hs0zed@...>
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>>>> After you reduced the taps to 32 you must next turn the bandwidth all
>>>> the way to the minimum 100Hz, then increase for the strange audio. It
>>>> sounds like at certain bandwidth setting once this starts to happen
>>>> the bandwidth is changing from that displayed to a much wider value,
>>>> like about 4000Hz and then at the next step dropping back where it
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>>> should be.
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>>>> Martin, HS0ZED
>>>>
>>>>
>>>> -----Original Message-----
>>>> From: orion565@yahoogroups.com
[mailto:orion565@yahoogroups.**com<orion565@yahoogroups.com>]
>>>> On
>>>> Behalf Of Barry N1EU
>>>> Sent: 01 January 2013 19:30
>>>> To: orion565@yahoogroups.com
>>>> Subject: Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets
>>>> see if you can reproduce...
>>>>
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>>>> and varying bandwidth.

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>>>> I think the SAF power cycling is a known minor issue.
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>>>> 73 & HNY,
>>>> Barry N1EU
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>>>> On Tue, Jan 1, 2013 at 11:17 AM, Martin Sole <hs0zed@...>
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>>> wrote:
>>>
>>>> **
>>>>>
>>>>> I get this on my 565 v3.032. Dropping the filter length to minimum
>>>>> 32 then listening to a voice signal if the bandwidth is reduced and
>>>>> then returned to normal, actually I think it needed to go above
>>>>> 2400Hz then the audio went all weird and changes dramatically with
>>>>> further changes in the bandwidth control. Just initial tests here,
>>>>>
>>>> nothing specific.
>>>
>>>> I also find listening with the smoother filter slope to be much less
>>>>> fatiguing.
>>>>>
>>>>> I also note the SAF does not seem to survive power cycling. The
>>>>> display still shows it active but it is definitely out of circuit
>>>>> until cycled around with the SAF button. Not tried to see if it does
>>>>> that with the notch function instead of the SAF.
>>>>>
>>>>> Cheers
>>>>> Martin, HS0ZED
>>>>>
>>>>>
>>>>> -----Original Message-----
>>>>> From: orion565@yahoogroups.com
[mailto:orion565@yahoogroups.**com<orion565@yahoogroups.com>]
>>>>> On
>>>>> Behalf Of kc2qma
>>>>> Sent: 01 January 2013 09:10
>>>>> To: orion565@yahoogroups.com
>>>>> Subject: [orion565] Re: Possible BUG in DSP Filter Length. Lets see
>>>>> if you can reproduce...
>>>>>
>>>>> THIS IS FOR THE 566 Orion II ONLY.
>>>>> But is sounds like it does NOT do this on the 565 Orion.
>>>>> Thanks Wayne for testing on your 565 Orion.
>>>>>
>>>>> --- In orion565@yahoogroups.com, Wayne Staples <vk4eu@...> wrote:
>>>>>
>>>>>> On 31/12/12 22:15, kc2qma wrote:
>>>>>>

>>>>>>> I found what seems to be a possible bug; I have been able to do
>>>>>>> this in
>>>>>>>
>>>>>> OS version 3.029 and the latest version 3.033xa. I just want to see
>>>>> if anyone else can reproduce this.
>>>>>
>>>>>> Sometimes I like to soften the receive audio by lowering the DSP
>>>>>>> filter
>>>>>>>
>>>>>> length in the filter menu. It makes listening for long periods a
>>>>> little less fatiguing on my ears.
>>>>>
>>>>>> OK so here is the problem, if I lower the DSP filter taps to
>>>>>>> below
>>>>>>> 47
>>>>>>>
>>>>>> and then adjust the Bandwidth down and then back up I get audio
>>>>>
>>>> distortion.
>>>>
>>>>> Now once you re-adjust the DSP taps the audio clears back up.
>>>>>
>>>>>> So here is how to test and see if others can reproduce this.
>>>>>>> 1. Tune to a good signal. It does not matter what mode (LSB, USB
>>>>>>> or AM)
>>>>>>>
>>>>>> however a phone signal will be the best. CW may be hard to detect.
>>>>>
>>>>>> 2. Go to the FILTER MENU then move VFO A to highlight "DSP
>>>>>>> Filter
>>>>>>>
>>>>>> length"
>>>>>
>>>>>> 3. (DSP Filter Length) Adjust the taps down to 32.
>>>>>>> 4. Then exit menu.
>>>>>>> 5. Adjust the bandwidth control all the way down, then back up
>>>>>>> to a
>>>>>>>
>>>>>> normal setting anywhere from 2000 to 4000.
>>>>>
>>>>>> Do you here audio distortion?
>>>>>>>
>>>>>>> Now don't worry you can clear the distortion by just going back
>>>>>>> to the
>>>>>>>
>>>>>> DSP Filter Length and turning back up to 199.
>>>>>
>>>>>> Now this is not a big problem but may indicate a small bug that
>>>>>>> if
>>>>>>>

>>>>>> corrected May or may not improve the overall receive audio?
>>>>>
>>>>>> (Now some may say like the old joke "Doctor it hurts when I do
>>>>>>>
>>>>>> this"
>>>
>>>> and the doctor says "then don't do that")
>>>>>>>
>>>>>>> Anyway just wanted to see if anyone else can recreate this.
>>>>>>>
>>>>>>> That said I LOVE the new meter update works AWESOME!
>>>>>>>
>>>>>>> 73, KC2QMA
>>>>>>> HAPPY NEW YEAR!
>>>>>>>
>>>>>>>
>>>>>>>
>>>>>>> ------------------------------**------
>>>>>>>
>>>>>>>
>>>>>>> Yahoo! Groups Links
>>>>>>>
>>>>>>>
>>>>>>>
>>>>>>> recent update for the for the Orion 565 is 3.032. I did your test
>>>>>> and my audio did not distort. If you have a Orion565 and you are
>>>>>> updateing with Orion 566 firmware that may affect your Orion565
>>>>>>
>>>>> adversley..
>>>>
>>>>> If you a Orion 566 it is obviousley a bug.
>>>>>>
>>>>>> I have a Orion 1 565 with Vers 2 Mod
>>>>>>
>>>>>> Wayne VK4EU
>>>>>>
>>>>>>
>>>>>>
>>>>>>
>>>>>> [Non-text portions of this message have been removed]
>>>>>>
>>>>>> ------------------------------**------
>>>>>
>>>>> Yahoo! Groups Links
>>>>>
>>>>> -----
>>>>> No virus found in this message.
>>>>> Checked by AVG - www.avg.com
>>>>> Version: 2012.0.2221 / Virus Database: 2637/5500 - Release Date:
>>>>> 12/31/12

>>>>>
>>>>>
>>>>>
>>>>> [Non-text portions of this message have been removed]
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>>>> ------------------------------**------
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>>>> No virus found in this message.
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>>
>> [Non-text portions of this message have been removed]
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>>
>>
>> ------------------------------**------
>>
>>
>> Yahoo! Groups Links
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>>
>
[Non-text portions of this message have been removed]

9011. RE: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-02 11:45:17 UTC
From: Martin Sole
Topic: 8982 Message: 9011

I agree, that combination would be a rather pointless combination, a bit like 250Hz roofing filter with 6kHz wide digital bandwidth, but that doesn't do strange things. If there were a limit on how far you could reduce the bandwidth at the gentler sloped filter settings that would be ok, the fact there is a combination of control settings that screws things up is not, at least to me.

Martin, HS0ZED

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: 02 January 2013 18:39
To: Orion565
Subject: Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

My Orion worked fine at 32 taps from 2000-4000hz selectivity. It was only when I reduced BW to 100hz that it went haywire. Why anyone would want to use 32 taps at 100hz is beyond me.

Or maybe I'm missing something . . .

73,
Barry N1EU

On Wed, Jan 2, 2013 at 2:34 AM, Martin Sole <hs0zed@...> wrote:

> It does mean that the reduced fatigue due to smoother audio that
> results from a less than brickwall filter is not available though.
> Being able to adjust the shape of the filter as well as the bandwidth
> seems a most useful feature.
>
> Martin, HS0ZED
>
>
>
>
>
> On 02/01/13 04:44, Barry N1EU wrote:
>
>> Master Reset restored normal audio. In the future, I'll stay away
>> from "Taps".
>>
>> 73,

>> Barry N1EU
>>
>> On Tue, Jan 1, 2013 at 1:22 PM, Martin Sole <hs0zed@...> wrote:
>>
>> **
>>>
>>>
>>>
>>> Ooh-er, now that's a bit worrying. Mine resets once the filter taps
>>> are reset to 199.
>>> Master reset?
>>> Call Ten-Tec?
>>>
>>> Hopefully you have it fixed already. I would classify this as a
>>> minor inconvenience, like the SAF issue, but for the fact you seem
>>> to have made it more permanent.
>>>
>>>
>>> Martin, HS0ZED
>>>
>>> -----Original Message-----
>>> From: orion565@yahoogroups.com
>>> [mailto:orion565@yahoogroups.**com<orion565@yahoogroups.com>]
>>> On
>>> Behalf Of Barry N1EU
>>> Sent: 01 January 2013 19:44
>>> To: orion565@yahoogroups.com
>>> Subject: Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets
>>> see if you can reproduce...
>>>
>>> Yes - now that I reduced it all the way down to 100hz and then
>>> increased, the audio is totally screwed up - sounds
scratchy/thin/distorted.
>>> Restoring the taps to 199 and power cycling hasn't restored normal
audio.
>>> How do you restore normal operation after this little trick?
>>>
>>> 73,
>>> Barry N1EU
>>>
>>> On Tue, Jan 1, 2013 at 12:38 PM, Martin Sole <hs0zed@...>
>>> wrote:
>>>
>>> **
>>>>
>>>> After you reduced the taps to 32 you must next turn the bandwidth
>>>> all the way to the minimum 100Hz, then increase for the strange
>>>> audio. It sounds like at certain bandwidth setting once this starts
>>>> to happen the bandwidth is changing from that displayed to a much
>>>> wider value, like about 4000Hz and then at the next step dropping

>>>> back where it
>>>>
>>> should be.
>>>
>>>> Martin, HS0ZED
>>>>
>>>>
>>>> -----Original Message-----
>>>> From: orion565@yahoogroups.com
>>>> [mailto:orion565@yahoogroups.**com<orion565@yahoogroups.com>]
>>>> On
>>>> Behalf Of Barry N1EU
>>>> Sent: 01 January 2013 19:30
>>>> To: orion565@yahoogroups.com
>>>> Subject: Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets
>>>> see if you can reproduce...
>>>>
>>>> I don't get this at all on my 565 v3.032 - sounds fine with 32 taps
>>>> and varying bandwidth.
>>>>
>>>> I think the SAF power cycling is a known minor issue.
>>>>
>>>> 73 & HNY,
>>>> Barry N1EU
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>>>> On Tue, Jan 1, 2013 at 11:17 AM, Martin Sole <hs0zed@...>
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>>> wrote:
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>>>>> I get this on my 565 v3.032. Dropping the filter length to minimum
>>>>> 32 then listening to a voice signal if the bandwidth is reduced
>>>>> and then returned to normal, actually I think it needed to go
>>>>> above 2400Hz then the audio went all weird and changes
>>>>> dramatically with further changes in the bandwidth control. Just
>>>>> initial tests here,
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>>>> nothing specific.
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>>>> I also find listening with the smoother filter slope to be much
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>>>>> fatiguing.
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>>>>> I also note the SAF does not seem to survive power cycling. The
>>>>> display still shows it active but it is definitely out of circuit
>>>>> until cycled around with the SAF button. Not tried to see if it
>>>>> does that with the notch function instead of the SAF.
>>>>>
>>>>> Cheers

>>>>> Martin, HS0ZED
>>>>>
>>>>>
>>>>> -----Original Message-----
>>>>> From: orion565@yahoogroups.com
>>>>> [mailto:orion565@yahoogroups.**com<orion565@yahoogroups.com>]
>>>>> On
>>>>> Behalf Of kc2qma
>>>>> Sent: 01 January 2013 09:10
>>>>> To: orion565@yahoogroups.com
>>>>> Subject: [orion565] Re: Possible BUG in DSP Filter Length. Lets
>>>>> see if you can reproduce...
>>>>>
>>>>> THIS IS FOR THE 566 Orion II ONLY.
>>>>> But is sounds like it does NOT do this on the 565 Orion.
>>>>> Thanks Wayne for testing on your 565 Orion.
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>>>>> --- In orion565@yahoogroups.com, Wayne Staples <vk4eu@...> wrote:
>>>>>
>>>>>> On 31/12/12 22:15, kc2qma wrote:
>>>>>>
>>>>>>> I found what seems to be a possible bug; I have been able to do
>>>>>>> this in
>>>>>>>
>>>>>> OS version 3.029 and the latest version 3.033xa. I just want to
>>>>>> see
>>>>> if anyone else can reproduce this.
>>>>>
>>>>>> Sometimes I like to soften the receive audio by lowering the DSP
>>>>>>> filter
>>>>>>>
>>>>>> length in the filter menu. It makes listening for long periods a
>>>>> little less fatiguing on my ears.
>>>>>
>>>>>> OK so here is the problem, if I lower the DSP filter taps to
>>>>>>> below
>>>>>>> 47
>>>>>>>
>>>>>> and then adjust the Bandwidth down and then back up I get audio
>>>>>
>>>> distortion.
>>>>
>>>>> Now once you re-adjust the DSP taps the audio clears back up.
>>>>>
>>>>>> So here is how to test and see if others can reproduce this.
>>>>>>> 1. Tune to a good signal. It does not matter what mode (LSB, USB
>>>>>>> or AM)
>>>>>>>
>>>>>> however a phone signal will be the best. CW may be hard to detect.
>>>>>

>>>>>> 2. Go to the FILTER MENU then move VFO A to highlight "DSP
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>>>>>> length"
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>>>>>> 3. (DSP Filter Length) Adjust the taps down to 32.
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>>>>>> normal setting anywhere from 2000 to 4000.
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>>>>>> Do you here audio distortion?
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>>>>>>> Now don't worry you can clear the distortion by just going back
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>>>>>> Now this is not a big problem but may indicate a small bug that
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>>>>>> corrected May or may not improve the overall receive audio?
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>>>>>> (Now some may say like the old joke "Doctor it hurts when I do
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>>>> and the doctor says "then don't do that")
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>>>>>>> Anyway just wanted to see if anyone else can recreate this.
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>>>>>>> That said I LOVE the new meter update works AWESOME!
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>>>>>>> 73, KC2QMA
>>>>>>> HAPPY NEW YEAR!
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>>>>>>> ------------------------------**------
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>>>>>>> Yahoo! Groups Links
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>>>>>>>
>>>>>>> recent update for the for the Orion 565 is 3.032. I did your
>>>>>>> test
>>>>>> and my audio did not distort. If you have a Orion565 and you are
>>>>>> updateing with Orion 566 firmware that may affect your Orion565

>>>>>>
>>>>> adversley..
>>>>
>>>>> If you a Orion 566 it is obviousley a bug.
>>>>>>
>>>>>> I have a Orion 1 565 with Vers 2 Mod
>>>>>>
>>>>>> Wayne VK4EU
>>>>>>
>>>>>>
>>>>>>
>>>>>>
>>>>>> [Non-text portions of this message have been removed]
>>>>>>
>>>>>> ------------------------------**------
>>>>>
>>>>> Yahoo! Groups Links
>>>>>
>>>>> -----
>>>>> No virus found in this message.
>>>>> Checked by AVG - www.avg.com
>>>>> Version: 2012.0.2221 / Virus Database: 2637/5500 - Release Date:
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>>>>> [Non-text portions of this message have been removed]
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>> --------------------------------**------
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>> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.
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No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2221 / Virus Database: 2637/5500 - Release Date: 12/31/12

9012. Re: [orion565] Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-02 12:47:46 UTC
From: Jerry Rogers
Topic: 8982 Message: 9012

I thought the taps was a way to adjust the "filter skirt". Just like on the Icom selection "Soft or Sharp". Causes the radio to take-on that older radio mellow sound.

As for using it at tap 32 and 100hz, I guess if you want that wider skirt sound it's okay.

Jerry, ki4ps

On Jan 2, 2013, at 6:39 AM, Barry N1EU <barry.n1eu@...> wrote:

> My Orion worked fine at 32 taps from 2000-4000hz selectivity. It was only
> when I reduced BW to 100hz that it went haywire. Why anyone would want to
> use 32 taps at 100hz is beyond me.
>
> Or maybe I'm missing something . . .
>
> 73,
> Barry N1EU
>
> On Wed, Jan 2, 2013 at 2:34 AM, Martin Sole <hs0zed@...> wrote:
>
> > It does mean that the reduced fatigue due to smoother audio that results
> > from a less than brickwall filter is not available though. Being able to
> > adjust the shape of the filter as well as the bandwidth seems a most useful
> > feature.
> >
> > Martin, HS0ZED
> >
> >
> >
> >
> >
> > On 02/01/13 04:44, Barry N1EU wrote:
> >
> >> Master Reset restored normal audio. In the future, I'll stay away from
> >> "Taps".
> >>
> >> 73,
> >> Barry N1EU
> >>
> >> On Tue, Jan 1, 2013 at 1:22 PM, Martin Sole <hs0zed@csloxinfo.com> wrote:
> >>
> >> **
> >>>
> >>>
> >>>

> >>> Ooh-er, now that's a bit worrying. Mine resets once the filter taps are
> >>> reset to 199.
> >>> Master reset?
> >>> Call Ten-Tec?
> >>>
> >>> Hopefully you have it fixed already. I would classify this as a minor
> >>> inconvenience, like the SAF issue, but for the fact you seem to have made
> >>> it more permanent.
> >>>
> >>>
> >>> Martin, HS0ZED
> >>>
> >>> -----Original Message-----
> >>> From: orion565@yahoogroups.com
[mailto:orion565@yahoogroups.**com<orion565@yahoogroups.com>]
> >>> On
> >>> Behalf Of Barry N1EU
> >>> Sent: 01 January 2013 19:44
> >>> To: orion565@yahoogroups.com
> >>> Subject: Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets see
> >>> if
> >>> you can reproduce...
> >>>
> >>> Yes - now that I reduced it all the way down to 100hz and then increased,
> >>> the audio is totally screwed up - sounds scratchy/thin/distorted.
> >>> Restoring the taps to 199 and power cycling hasn't restored normal audio.
> >>> How do you restore normal operation after this little trick?
> >>>
> >>> 73,
> >>> Barry N1EU
> >>>
> >>> On Tue, Jan 1, 2013 at 12:38 PM, Martin Sole <hs0zed@...>
> >>> wrote:
> >>>
> >>> **
> >>>>
> >>>> After you reduced the taps to 32 you must next turn the bandwidth all
> >>>> the way to the minimum 100Hz, then increase for the strange audio. It
> >>>> sounds like at certain bandwidth setting once this starts to happen
> >>>> the bandwidth is changing from that displayed to a much wider value,
> >>>> like about 4000Hz and then at the next step dropping back where it
> >>>>
> >>> should be.
> >>>
> >>>> Martin, HS0ZED
> >>>>
> >>>>
> >>>> -----Original Message-----
> >>>> From: orion565@yahoogroups.com
[mailto:orion565@yahoogroups.**com<orion565@yahoogroups.com>]

> >>>> On
> >>>> Behalf Of Barry N1EU
> >>>> Sent: 01 January 2013 19:30
> >>>> To: orion565@yahoogroups.com
> >>>> Subject: Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets
> >>>> see if you can reproduce...
> >>>>
> >>>> I don't get this at all on my 565 v3.032 - sounds fine with 32 taps
> >>>> and varying bandwidth.
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> >>>> I think the SAF power cycling is a known minor issue.
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> >>>> 73 & HNY,
> >>>> Barry N1EU
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> >>>> On Tue, Jan 1, 2013 at 11:17 AM, Martin Sole <hs0zed@...>
> >>>>
> >>> wrote:
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> >>>>> I get this on my 565 v3.032. Dropping the filter length to minimum
> >>>>> 32 then listening to a voice signal if the bandwidth is reduced and
> >>>>> then returned to normal, actually I think it needed to go above
> >>>>> 2400Hz then the audio went all weird and changes dramatically with
> >>>>> further changes in the bandwidth control. Just initial tests here,
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> >>>> nothing specific.
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> >>>> I also find listening with the smoother filter slope to be much less
> >>>>> fatiguing.
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> >>>>> I also note the SAF does not seem to survive power cycling. The
> >>>>> display still shows it active but it is definitely out of circuit
> >>>>> until cycled around with the SAF button. Not tried to see if it does
> >>>>> that with the notch function instead of the SAF.
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> >>>>> Cheers
> >>>>> Martin, HS0ZED
> >>>>>
> >>>>>
> >>>>> -----Original Message-----
> >>>>> From: orion565@yahoogroups.com
[mailto:orion565@yahoogroups.**com<orion565@yahoogroups.com>]
> >>>>> On
> >>>>> Behalf Of kc2qma
> >>>>> Sent: 01 January 2013 09:10
> >>>>> To: orion565@yahoogroups.com
> >>>>> Subject: [orion565] Re: Possible BUG in DSP Filter Length. Lets see
> >>>>> if you can reproduce...

> >>>>>
> >>>>> THIS IS FOR THE 566 Orion II ONLY.
> >>>>> But is sounds like it does NOT do this on the 565 Orion.
> >>>>> Thanks Wayne for testing on your 565 Orion.
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> >>>>> --- In orion565@yahoogroups.com, Wayne Staples <vk4eu@...> wrote:
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> >>>>>> On 31/12/12 22:15, kc2qma wrote:
> >>>>>>
> >>>>>>> I found what seems to be a possible bug; I have been able to do
> >>>>>>> this in
> >>>>>>>
> >>>>>> OS version 3.029 and the latest version 3.033xa. I just want to see
> >>>>> if anyone else can reproduce this.
> >>>>>
> >>>>>> Sometimes I like to soften the receive audio by lowering the DSP
> >>>>>>> filter
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> >>>>>> length in the filter menu. It makes listening for long periods a
> >>>>> little less fatiguing on my ears.
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> >>>>>> OK so here is the problem, if I lower the DSP filter taps to
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> >>>>>>> 47
> >>>>>>>
> >>>>>> and then adjust the Bandwidth down and then back up I get audio
> >>>>>
> >>>> distortion.
> >>>>
> >>>>> Now once you re-adjust the DSP taps the audio clears back up.
> >>>>>
> >>>>>> So here is how to test and see if others can reproduce this.
> >>>>>>> 1. Tune to a good signal. It does not matter what mode (LSB, USB
> >>>>>>> or AM)
> >>>>>>>
> >>>>>> however a phone signal will be the best. CW may be hard to detect.
> >>>>>
> >>>>>> 2. Go to the FILTER MENU then move VFO A to highlight "DSP
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> >>>>>> 3. (DSP Filter Length) Adjust the taps down to 32.
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> >>>>>>> Now don't worry you can clear the distortion by just going back
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> >>>>>> Now this is not a big problem but may indicate a small bug that
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> >>>>>> corrected May or may not improve the overall receive audio?
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> >>>>>> (Now some may say like the old joke "Doctor it hurts when I do
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> >>>>>>> Anyway just wanted to see if anyone else can recreate this.
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> >>>>>>> That said I LOVE the new meter update works AWESOME!
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> >>>>>>> 73, KC2QMA
> >>>>>>> HAPPY NEW YEAR!
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> >>>>>>> ------------------------------**------
> >>>>>>>
> >>>>>>>
> >>>>>>> Yahoo! Groups Links
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> >>>>>>>
> >>>>>>>
> >>>>>>> recent update for the for the Orion 565 is 3.032. I did your test
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> >>>>>> updateing with Orion 566 firmware that may affect your Orion565
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> >>>>> adversley..
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> >>>>> If you a Orion 566 it is obviousley a bug.
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> >>>>>> I have a Orion 1 565 with Vers 2 Mod
> >>>>>>
> >>>>>> Wayne VK4EU
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> >>>>>>
> >>>>>>
> >>>>>>
> >>>>>> [Non-text portions of this message have been removed]
> >>>>>>

> >>>>>> ------------------------------**------
> >>>>>
> >>>>> Yahoo! Groups Links
> >>>>>
> >>>>> -----
> >>>>> No virus found in this message.
> >>>>> Checked by AVG - www.avg.com
> >>>>> Version: 2012.0.2221 / Virus Database: 2637/5500 - Release Date:
> >>>>> 12/31/12
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> >>
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>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

9015. Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-02 14:07:07 UTC
From: kc2qma
Topic: 8982 Message: 9015

Jerry you hit the nail in the head!

It lowers the "Q" factor or adjusts the sharpness of the skirts. And of course I do not use the Orion with the taps at 32 and the BW at 100Hz but I do sometimes lower the taps to 32 and listen to AM and SSB signals using typical bandwidth settings. It does make the Orion sound more like a vintage boat anchor type receiver or at least makes the sound softer.

This is just to show that there is a way to cause the Orion II to have distorted audio by simply making a certain combination of adjustments. In theory the end user should not be able to cause a device to fail do to making any combination of adjustments.(That's know as a BUG)

73/KC2QMA

--- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@...> wrote:
>
> I thought the taps was a way to adjust the "filter skirt". Just like on the Icom selection "Soft or Sharp". Causes the radio to take-on that older radio mellow sound.
>
> As for using it at tap 32 and 100hz, I guess if you want that wider skirt sound it's okay.
>
> Jerry, ki4ps
>
>
> On Jan 2, 2013, at 6:39 AM, Barry N1EU <barry.n1eu@...> wrote:
>
> > My Orion worked fine at 32 taps from 2000-4000hz selectivity. It was only
> > when I reduced BW to 100hz that it went haywire. Why anyone would want to
> > use 32 taps at 100hz is beyond me.
> >
> > Or maybe I'm missing something . . .
> >
> > 73,
> > Barry N1EU
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> > On Wed, Jan 2, 2013 at 2:34 AM, Martin Sole <hs0zed@...> wrote:
> >
> > > It does mean that the reduced fatigue due to smoother audio that results
> > > from a less than brickwall filter is not available though. Being able to
> > > adjust the shape of the filter as well as the bandwidth seems a most useful
> > > feature.
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> > > Martin, HS0ZED
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> > > On 02/01/13 04:44, Barry N1EU wrote:
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> > >> Master Reset restored normal audio. In the future, I'll stay away from
> > >> "Taps".
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> > >> 73,
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> > >> On Tue, Jan 1, 2013 at 1:22 PM, Martin Sole <hs0zed@...> wrote:
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> > >> **
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> > >>> Ooh-er, now that's a bit worrying. Mine resets once the filter taps are
> > >>> reset to 199.
> > >>> Master reset?
> > >>> Call Ten-Tec?
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> > >>> Hopefully you have it fixed already. I would classify this as a minor
> > >>> inconvenience, like the SAF issue, but for the fact you seem to have made
> > >>> it more permanent.
> > >>>
> > >>>
> > >>> Martin, HS0ZED
> > >>>
> > >>> -----Original Message-----
> > >>> From: orion565@yahoogroups.com
[mailto:orion565@yahoogroups.**com<orion565@yahoogroups.com>]
> > >>> On
> > >>> Behalf Of Barry N1EU
> > >>> Sent: 01 January 2013 19:44
> > >>> To: orion565@yahoogroups.com
> > >>> Subject: Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets see
> > >>> if
> > >>> you can reproduce...
> > >>>
> > >>> Yes - now that I reduced it all the way down to 100hz and then increased,
> > >>> the audio is totally screwed up - sounds scratchy/thin/distorted.
> > >>> Restoring the taps to 199 and power cycling hasn't restored normal audio.
> > >>> How do you restore normal operation after this little trick?
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> > >>> 73,
> > >>> Barry N1EU
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> > >>> On Tue, Jan 1, 2013 at 12:38 PM, Martin Sole <hs0zed@...>
> > >>> wrote:

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> > >>>> After you reduced the taps to 32 you must next turn the bandwidth all
> > >>>> the way to the minimum 100Hz, then increase for the strange audio. It
> > >>>> sounds like at certain bandwidth setting once this starts to happen
> > >>>> the bandwidth is changing from that displayed to a much wider value,
> > >>>> like about 4000Hz and then at the next step dropping back where it
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> > >>>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.**com<orion565@...m>]
> > >>>> On
> > >>>> Behalf Of Barry N1EU
> > >>>> Sent: 01 January 2013 19:30
> > >>>> To: orion565@yahoogroups.com
> > >>>> Subject: Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets
> > >>>> see if you can reproduce...
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> > >>>> I don't get this at all on my 565 v3.032 - sounds fine with 32 taps
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> > >>>> I think the SAF power cycling is a known minor issue.
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> > >>>>> 2400Hz then the audio went all weird and changes dramatically with
> > >>>>> further changes in the bandwidth control. Just initial tests here,
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> > >>>> nothing specific.
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> > >>>> fatiguing.
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> > >>>>> display still shows it active but it is definitely out of circuit

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> > >>>>> that with the notch function instead of the SAF.
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> > >>>>> From: orion565@yahoogroups.com
[mailto:orion565@yahoogroups.**com<orion565@yahoogroups.com>]
> > >>>>> On
> > >>>>> Behalf Of kc2qma
> > >>>>> Sent: 01 January 2013 09:10
> > >>>>> To: orion565@yahoogroups.com
> > >>>>> Subject: [orion565] Re: Possible BUG in DSP Filter Length. Lets see
> > >>>>> if you can reproduce...
> > >>>>>
> > >>>>> THIS IS FOR THE 566 Orion II ONLY.
> > >>>>> But is sounds like it does NOT do this on the 565 Orion.
> > >>>>> Thanks Wayne for testing on your 565 Orion.
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> > >>>>> --- In orion565@yahoogroups.com, Wayne Staples <vk4eu@> wrote:
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> > >>>>> I found what seems to be a possible bug; I have been able to do
> > >>>>> this in
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> > >>>>> OS version 3.029 and the latest version 3.033xa. I just want to see
> > >>>>> if anyone else can reproduce this.
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> > >>>>> Sometimes I like to soften the receive audio by lowering the DSP
> > >>>>> filter
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> > >>>>> length in the filter menu. It makes listening for long periods a
> > >>>>> little less fatiguing on my ears.
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> > >>>>> OK so here is the problem, if I lower the DSP filter taps to
> > >>>>> below
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> > >>>>> and then adjust the Bandwidth down and then back up I get audio
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> > >>>> distortion.
> > >>>>
> > >>>>> Now once you re-adjust the DSP taps the audio clears back up.
> > >>>>>
> > >>>>> So here is how to test and see if others can reproduce this.
> > >>>>> 1. Tune to a good signal. It does not matter what mode (LSB, USB
> > >>>>> or AM)

> > >>>>>>>
> > >>>>>> however a phone signal will be the best. CW may be hard to detect.
> > >>>>>
> > >>>>>> 2. Go to the FILTER MENU then move VFO A to highlight "DSP
> > >>>>>>> Filter
> > >>>>>>>
> > >>>>>> length"
> > >>>>>
> > >>>>>> 3. (DSP Filter Length) Adjust the taps down to 32.
> > >>>>>>> 4. Then exit menu.
> > >>>>>>> 5. Adjust the bandwidth control all the way down, then back up
> > >>>>>>> to a
> > >>>>>>>
> > >>>>>> normal setting anywhere from 2000 to 4000.
> > >>>>>
> > >>>>>> Do you here audio distortion?
> > >>>>>>>
> > >>>>>>> Now don't worry you can clear the distortion by just going back
> > >>>>>>> to the
> > >>>>>>>
> > >>>>>> DSP Filter Length and turning back up to 199.
> > >>>>>
> > >>>>>> Now this is not a big problem but may indicate a small bug that
> > >>>>>>> if
> > >>>>>>>
> > >>>>>> corrected May or may not improve the overall receive audio?
> > >>>>>
> > >>>>>> (Now some may say like the old joke "Doctor it hurts when I do
> > >>>>>>>
> > >>>>>> this"
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> > >>>> and the doctor says "then don't do that")
> > >>>>>>>
> > >>>>>>> Anyway just wanted to see if anyone else can recreate this.
> > >>>>>>>
> > >>>>>>> That said I LOVE the new meter update works AWESOME!
> > >>>>>>>
> > >>>>>>> 73, KC2QMA
> > >>>>>>> HAPPY NEW YEAR!
> > >>>>>>>
> > >>>>>>>
> > >>>>>>>
> > >>>>>>> ------------------------------**------
> > >>>>>>>
> > >>>>>>>
> > >>>>>>> Yahoo! Groups Links
> > >>>>>>>
> > >>>>>>>
> > >>>>>>>
> > >>>>>>> recent update for the for the Orion 565 is 3.032. I did your test

> > >>>>>> and my audio did not distort. If you have a Orion565 and you are
> > >>>>>> updateing with Orion 566 firmware that may affect your Orion565
> > >>>>>>
> > >>>>> adversley..
> > >>>>
> > >>>>> If you a Orion 566 it is obviousley a bug.
> > >>>>>>
> > >>>>>> I have a Orion 1 565 with Vers 2 Mod
> > >>>>>>
> > >>>>>> Wayne VK4EU
> > >>>>>>
> > >>>>>>
> > >>>>>>
> > >>>>>>
> > >>>>>> [Non-text portions of this message have been removed]
> > >>>>>>
> > >>>>>> ------------------------------**------
> > >>>>>
> > >>>>> Yahoo! Groups Links
> > >>>>>
> > >>>>> -----
> > >>>>> No virus found in this message.
> > >>>>> Checked by AVG - www.avg.com
> > >>>>> Version: 2012.0.2221 / Virus Database: 2637/5500 - Release Date:
> > >>>>> 12/31/12
> > >>>>>
> > >>>>>
> > >>>>>
> > >>>>> [Non-text portions of this message have been removed]
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>
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>

9016. Re: [orion565] BUG In DSP Filter length. CLARIFIED.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-02 14:25:41 UTC
From: Barry N1EU
Topic: 9016 Message: 9016

Pardon the emphasis, but WHY ARE YOU REDUCING THE BANDWIDTH DOWN TO 100HZ
IF YOU ARE LISTENING TO PHONE?

73,
Barry N1EU

On Wed, Jan 2, 2013 at 1:03 PM, kc2qma <john-m-junk@...> wrote:

> **
>
>
>
> Test conditions are: ORION II 566 with built in tuner and all optional
> filters.
>
> I found what seems to be a possible bug; I have been able to do this in
> OS
> version 3.029 and the latest version 3.033xa. I just want to see if
> anyone else
> can reproduce this.
>
> Sometimes I like to soften the receive audio by lowering the DSP filter
> length
> in the filter menu. It makes listening for long periods a little less
> fatiguing
> on my ears.
>
> OK so here is the problem, if I lower the DSP filter taps to below 47
> and then
> adjust the Bandwidth down to 100 and then back up I get audio
> distortion. Now once you
> re-adjust the DSP taps back to 199 the audio clears back up.
>
> Now this is not a big problem and of course you would not operate the
> Orion II with the DSP taps at 32 and bandwidth at 100 Hz however may
> indicate a small bug that if corrected May or may not improve the
> overall receive audio?
>
> So here is how to test and see if others can reproduce this:
> 1. Tune to a good signal. It does not matter what mode (LSB, USB or AM)
> however
> a phone signal will be the best. CW may be hard to detect.
> 2. Go to the FILTER MENU then move VFO A to highlight "DSP Filter
> length"
> 3. (DSP Filter Length) Adjust the taps down to 32.
> 4. Then exit menu.

> 5. Adjust the bandwidth control all the way down to 100, then back up to
> a normal
> setting anywhere from 2000 to 4000.
>
> Do you here audio distortion?
>
> Now don't worry you can clear the distortion by just going back to the
> DSP
> Filter Length and turning back up to 199 or by doing a master reset.
>
> This is just to show that there is a way to cause the Orion II to go
> into distorted audio by simply making a certain combination of
> adjustments. In theory the end user should not be able to cause a device
> to fail do to making any combination of adjustments. (That's know as
> a BUG)
>
> (Now some may say like the old joke "Doctor it hurts when I do this" and
> the
> doctor says "then don't do that")
>
> I just wanted to see if anyone else can recreate this.
>
> That said I LOVE the new meter update works AWESOME!
>
> 73, KC2QMA
> HAPPY NEW YEAR
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

9017. Re: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-02 14:29:45 UTC
From: Barry N1EU
Topic: 8982 Message: 9017

On Wed, Jan 2, 2013 at 2:07 PM, kc2qma <john-m-junk@...> wrote:

> **
>
>
> This is just to show that there is a way to cause the Orion II to have
> distorted audio by simply making a certain combination of adjustments. In
> theory the end user should not be able to cause a device to fail do to
> making any combination of adjustments.(That's know as a BUG)
>
>
In a perfect world . . . . .

Yes, you HAVE found a bug. But considering the endless issues for Ten-Tec engineering to tackle with limited resources, I'd put this near the bottom of the list. If a certain combination of adjustments causes a device to fail, then avoid those combination of adjustments, which in this case should be EASY to do (i.e., 100hz BW and phone operation).

73,
Barry N1EU

[Non-text portions of this message have been removed]

9018. Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-02 14:42:35 UTC
From: kc2qma
Topic: 8982 Message: 9018

Hey everybody look we have an antagonist! Hello Barry.

Clearly you are not reading what I said.

YES: this is a bug.

NO: it is not a priority.

YES: You if you don't make this combination of adjustments it won't cause this failure.

NO: I do not use the Orion at 100Hz Bandwidth when listing to anything.

THIS WAS JUST A TEST TO SEE IF OTHERS COULD CAUSE THE SAME RESULTS. THAT'S ALL!

IF this is a problem for YOU then just use YOUR Orion The way you want and don't worry about the topic.

Thank you for the other people who GET IT!
73/KC2QMA

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
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> On Wed, Jan 2, 2013 at 2:07 PM, kc2qma <john-m-junk@...> wrote:
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> engineering to tackle with limited resources, I'd put this near the bottom
> of the list. If a certain combination of adjustments causes a device to
> fail, then avoid those combination of adjustments, which in this case
> should be EASY to do (i.e., 100hz BW and phone operation).
>
> 73,
> Barry N1EU
>
>
> [Non-text portions of this message have been removed]
>

9019. Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-02 15:05:22 UTC
From: NX4D
Topic: 8982 Message: 9019

Two years ago at Orlando Hamcation, John Henry wrote this bug on a slip of paper. Perhaps he misplaced it, or judged it to be unworthy of further consideration.

On 160m CW, it helps copy of weak CW sigs in the noise to reduce group delay and round the knees by lowering the TAPs from 199 to 130-180, depending on the received noise level.

In my experience, any taps selection other than 199 renders the filter unstable. Adjusting the BW knob causes the filter to scramble after a few seconds, producing strange sounds. In some instances, the filter scrambles without doing anything. I go to menu and set taps just up or down, and the filter resets.

It would be nice to have this bug fixed, as many trips into the menu to reset the filter could be avoided.

Of interest is one filter scramble incident popped a weak sig out of the noise. To me this indicates that advanced control of this filter might produce a higher level of filter usefulness.

HNY & 73, Doug / NX4D

--- In orion565@yahoogroups.com, "kc2qma" <john-m-junk@...> wrote:
>
> Jerry you hit the nail in the head!
>
> It lowers the "Q" factor or adjusts the sharpness of the skirts. And of course I do not use the Orion with the taps at 32 and the BW at 100Hz but I do sometimes lower the taps to 32 and listen to AM and SSB signals using typical bandwidth settings. It does make the Orion sound more like a vintage boat anchor type receiver or at least makes the sound softer.
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> > > >>>>>>>
> > > >>>>>> OS version 3.029 and the latest version 3.033xa. I just want to see
> > > >>>>> if anyone else can reproduce this.
> > > >>>>>
> > > >>>>>> Sometimes I like to soften the receive audio by lowering the DSP
> > > >>>>>>> filter
> > > >>>>>>>
> > > >>>>>> length in the filter menu. It makes listening for long periods a
> > > >>>>> little less fatiguing on my ears.
> > > >>>>>
> > > >>>>>> OK so here is the problem, if I lower the DSP filter taps to
> > > >>>>>>> below
> > > >>>>>>> 47
> > > >>>>>>>
> > > >>>>>> and then adjust the Bandwidth down and then back up I get audio
> > > >>>>>
> > > >>>> distortion.
> > > >>>>
> > > >>>>> Now once you re-adjust the DSP taps the audio clears back up.
> > > >>>>>
> > > >>>>>> So here is how to test and see if others can reproduce this.
> > > >>>>>>> 1. Tune to a good signal. It does not matter what mode (LSB, USB
> > > >>>>>>> or AM)
> > > >>>>>>>
> > > >>>>>> however a phone signal will be the best. CW may be hard to detect.
> > > >>>>>
> > > >>>>>> 2. Go to the FILTER MENU then move VFO A to highlight "DSP
> > > >>>>>>> Filter
> > > >>>>>>>
> > > >>>>>> length"
> > > >>>>>
> > > >>>>>> 3. (DSP Filter Length) Adjust the taps down to 32.
> > > >>>>>>> 4. Then exit menu.
> > > >>>>>>> 5. Adjust the bandwidth control all the way down, then back up
> > > >>>>>>> to a
> > > >>>>>>>
> > > >>>>>> normal setting anywhere from 2000 to 4000.
> > > >>>>>
> > > >>>>>> Do you here audio distortion?
> > > >>>>>>>
> > > >>>>>>> Now don't worry you can clear the distortion by just going back
> > > >>>>>>> to the
> > > >>>>>>>
> > > >>>>>> DSP Filter Length and turning back up to 199.
> > > >>>>>
> > > >>>>>> Now this is not a big problem but may indicate a small bug that
> > > >>>>>>> if
> > > >>>>>>>

> > > >>>>>> corrected May or may not improve the overall receive audio?
> > > >>>>>
> > > >>>>>> (Now some may say like the old joke "Doctor it hurts when I do
> > > >>>>>>>
> > > >>>>>> this"
> > > >>>
> > > >>>> and the doctor says "then don't do that")
> > > >>>>>>>
> > > >>>>>>> Anyway just wanted to see if anyone else can recreate this.
> > > >>>>>>>
> > > >>>>>>> That said I LOVE the new meter update works AWESOME!
> > > >>>>>>>
> > > >>>>>>> 73, KC2QMA
> > > >>>>>>> HAPPY NEW YEAR!
> > > >>>>>>>
> > > >>>>>>>
> > > >>>>>>>
> > > >>>>>>> ------------------------------**------
> > > >>>>>>>
> > > >>>>>>>
> > > >>>>>>> Yahoo! Groups Links
> > > >>>>>>>
> > > >>>>>>>
> > > >>>>>>>
> > > >>>>>>> recent update for the for the Orion 565 is 3.032. I did your test
> > > >>>>>> and my audio did not distort. If you have a Orion565 and you are
> > > >>>>>> updateing with Orion 566 firmware that may affect your Orion565
> > > >>>>>>
> > > >>>>> adversley..
> > > >>>>
> > > >>>>> If you a Orion 566 it is obviousley a bug.
> > > >>>>>
> > > >>>>>> I have a Orion 1 565 with Vers 2 Mod
> > > >>>>>>
> > > >>>>>> Wayne VK4EU
> > > >>>>>>
> > > >>>>>>
> > > >>>>>>
> > > >>>>>>
> > > >>>>>> [Non-text portions of this message have been removed]
> > > >>>>>>
> > > >>>>>> ------------------------------**------
> > > >>>>>
> > > >>>>> Yahoo! Groups Links
> > > >>>>>
> > > >>>>> -----
> > > >>>>> No virus found in this message.
> > > >>>>> Checked by AVG - www.avg.com
> > > >>>>> Version: 2012.0.2221 / Virus Database: 2637/5500 - Release Date:
> > > >>>>> 12/31/12

> > > >>>>>
> > > >>>>>
> > > >>>>>
> > > >>>>> [Non-text portions of this message have been removed]
> > > >>>>
> > > >>>> ------------------------------**------
> > > >>>>
> > > >>>> Yahoo! Groups Links
> > > >>>>
> > > >>>> -----
> > > >>>> No virus found in this message.
> > > >>>> Checked by AVG - www.avg.com
> > > >>>> Version: 2012.0.2221 / Virus Database: 2637/5500 - Release Date:
> > > >>>> 12/31/12
> > > >>>>
> > > >>>>
> > > >>>>
> > > >>>> [Non-text portions of this message have been removed]
> > > >>>
> > > >>> ------------------------------**------
> > > >>>
> > > >>> Yahoo! Groups Links
> > > >>>
> > > >>> -----
> > > >>> No virus found in this message.
> > > >>> Checked by AVG - www.avg.com
> > > >>> Version: 2012.0.2221 / Virus Database: 2637/5500 - Release Date: 12/31/12
> > > >>>
> > > >>>
> > > >>>
> > > >> [Non-text portions of this message have been removed]
> > > >>
> > > >>
> > > >>
> > > >> ------------------------------**------
> > > >>
> > > >>
> > > >> Yahoo! Groups Links
> > > >>
> > > >>
> > > >>
> > > >>
> > > >>
> > > > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >

> >
> >
> > [Non-text portions of this message have been removed]
> >
>

9020. RE: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-02 15:13:05 UTC
From: Wes Attaway (N5WA)
Topic: 8982 Message: 9020

Before you label something "a bug" I think you should check with the designer to see what the design parameters were. There may really be a bug but maybe what you have "discovered" is something that was known and simply deemed to not be of any interest. Or, it may be so far outside the range of intended use that it was never considered in any respect, bug or otherwise.

---------- Wes Attaway (N5WA) ----------
1138 Waters Edge Circle, Shreveport, LA 71106
318-797-4972 (Office) - 318-393-3289 (Cell)
Computer Consulting and Forensics
---------- EnCase Certified Examiner ----------

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of kc2qma
Sent: Wednesday, January 02, 2013 8:43 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Hey everybody look we have an antagonist! Hello Barry.

Clearly you are not reading what I said.

YES: this is a bug.

NO: it is not a priority.

YES: You if you don't make this combination of adjustments it won't cause this failure.

NO: I do not use the Orion at 100Hz Bandwidth when listing to anything.

THIS WAS JUST A TEST TO SEE IF OTHERS COULD CAUSE THE SAME RESULTS. THAT'S ALL!

IF this is a problem for YOU then just use YOUR Orion The way you want and don't worry about the topic.

Thank you for the other people who GET IT!
73/KC2QMA

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , Barry N1EU <barry.n1eu@...> wrote:
>
> On Wed, Jan 2, 2013 at 2:07 PM, kc2qma <john-m-junk@...> wrote:

>
> > **
> >
> >
> > This is just to show that there is a way to cause the Orion II to have
> > distorted audio by simply making a certain combination of adjustments.
In
> > theory the end user should not be able to cause a device to fail do to
> > making any combination of adjustments.(That's know as a BUG)
> >
> >
> In a perfect world . . . . .
>
> Yes, you HAVE found a bug. But considering the endless issues for Ten-Tec
> engineering to tackle with limited resources, I'd put this near the bottom
> of the list. If a certain combination of adjustments causes a device to
> fail, then avoid those combination of adjustments, which in this case
> should be EASY to do (i.e., 100hz BW and phone operation).
>
> 73,
> Barry N1EU
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

9021. Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-02 15:34:37 UTC
From: kc2qma
Topic: 8982 Message: 9021

Wes, you are correct this bug is caused by creating settings that are outside of normal operating practice. However it does appear to be repeatable by other users. This is not a big problem because almost no user will ever need or even want to set their rig this way but it does show a small bug in the software. And that is all that I was trying to find out.

I repeat, this is NOT a priority at all, and I don't expect Ten Tec to look at this any time soon.

But I will say that the fact that Ten Tec put the "DSP filter length" in the menu was so that the user could adjust the filter "Q" to his or her liking for their particular situation and that is just another thing that makes the Orion really special compared to other rigs.

Like I said before, I like to sometimes lower the "DSP filter length" when for example working AM with BW at 9000. It does soften the skirts making for a smoother sound.

KC2QMA

--- In orion565@yahoogroups.com, "Wes Attaway \(N5WA\)" <wesattaway@...> wrote:
>
> Before you label something "a bug" I think you should check with the
> designer to see what the design parameters were. There may really be a bug
> but maybe what you have "discovered" is something that was known and simply
> deemed to not be of any interest. Or, it may be so far outside the range of
> intended use that it was never considered in any respect, bug or otherwise.
>
>
>
> ----------------- Wes Attaway (N5WA) -------------------
> 1138 Waters Edge Circle, Shreveport, LA 71106
> 318-797-4972 (Office) - 318-393-3289 (Cell)
> Computer Consulting and Forensics
> -------------- EnCase Certified Examiner ---------------
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of kc2qma
> Sent: Wednesday, January 02, 2013 8:43 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you
> can reproduce...
>
>
>

>
>
> Hey everybody look we have an antagonist! Hello Barry.
>
> Clearly you are not reading what I said.
>
> YES: this is a bug.
>
> NO: it is not a priority.
>
> YES: You if you don't make this combination of adjustments it won't cause
> this failure.
>
> NO: I do not use the Orion at 100Hz Bandwidth when listing to anything.
>
> THIS WAS JUST A TEST TO SEE IF OTHERS COULD CAUSE THE SAME RESULTS. THAT'S
> ALL!
>
> IF this is a problem for YOU then just use YOUR Orion The way you want and
> don't worry about the topic.
>
> Thank you for the other people who GET IT!
> 73/KC2QMA
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , Barry
> N1EU <barry.n1eu@> wrote:
> >
> > On Wed, Jan 2, 2013 at 2:07 PM, kc2qma <john-m-junk@> wrote:
> >
> > > **
> > >
> > >
> > > This is just to show that there is a way to cause the Orion II to have
> > > distorted audio by simply making a certain combination of adjustments.
> In
> > > theory the end user should not be able to cause a device to fail do to
> > > making any combination of adjustments.(That's know as a BUG)
> > >
> > >
> > In a perfect world . . . . .
> >
> > Yes, you HAVE found a bug. But considering the endless issues for Ten-Tec
> > engineering to tackle with limited resources, I'd put this near the bottom
> > of the list. If a certain combination of adjustments causes a device to
> > fail, then avoid those combination of adjustments, which in this case
> > should be EASY to do (i.e., 100hz BW and phone operation).
> >
> > 73,
> > Barry N1EU
> >

> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

9022. Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-03 13:26:55 UTC
From: John
Topic: 8982 Message: 9022

Yes, this is created by setting values outside of where they should be, however, the software should either not allow this or recover properly when settings get back to normal. I do remember writing this down on a paper at one of the hamventions a year ago, and have added it to things to look at when time permits. For now, I hate to say, "if it breaks it don't do it". I hate answers like that, but let's continue on and when we do feel it the right time to fix it, we will.
There are a LOT of oars in the water right now. Gotta prioritize them and depending upon impact to use or if a work around exists, etc., they may get done at a later date.

Thanks for all the inputs, I know sometimes it seems like TenTec isn't listening, that isn't the case, we are 120% utilized at bringing great new things to market, improving existing production products, and finally improving existing products that have been out of production for xx years or more. Not many do that nowadays.

Take care, and 73,
John Henry, KI4JPL
TenTec Engineering

--- In orion565@yahoogroups.com, "kc2qma" wrote:
>
> Wes, you are correct this bug is caused by creating settings that are outside of normal operating practice. However it does appear to be repeatable by other users. This is not a big problem because almost no user will ever need or even want to set their rig this way but it does show a small bug in the software. And that is all that I was trying to find out.
>
> I repeat, this is NOT a priority at all, and I don't expect Ten Tec to look at this any time soon.
>
> But I will say that the fact that Ten Tec put the "DSP filter length" in the menu was so that the user could adjust the filter "Q" to his or her liking for their particular situation and that is just another thing that makes the Orion really special compared to other rigs.
>
> Like I said before, I like to sometimes lower the "DSP filter length" when for example working AM with BW at 9000. It does soften the skirts making for a smoother sound.
>
> KC2QMA
>
> --- In orion565@yahoogroups.com, "Wes Attaway \(N5WA\)" wrote:
> >
> > Before you label something "a bug" I think you should check with the
> > designer to see what the design parameters were. There may really be a bug
> > but maybe what you have "discovered" is something that was known and simply
> > deemed to not be of any interest. Or, it may be so far outside the range of
> > intended use that it was never considered in any respect, bug or otherwise.

> >
> >
> >
> > ----------------- Wes Attaway (N5WA) -------------------
> > 1138 Waters Edge Circle, Shreveport, LA 71106
> > 318-797-4972 (Office) - 318-393-3289 (Cell)
> > Computer Consulting and Forensics
> > -------------- EnCase Certified Examiner ---------------
> >
> > _____
> >
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > Of kc2qma
> > Sent: Wednesday, January 02, 2013 8:43 AM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you
> > can reproduce...
> >
> >
> >
> >
> >
> >
> > Hey everybody look we have an antagonist! Hello Barry.
> >
> > Clearly you are not reading what I said.
> >
> > YES: this is a bug.
> >
> > NO: it is not a priority.
> >
> > YES: You if you don't make this combination of adjustments it won't cause
> > this failure.
> >
> > NO: I do not use the Orion at 100Hz Bandwidth when listing to anything.
> >
> > THIS WAS JUST A TEST TO SEE IF OTHERS COULD CAUSE THE SAME RESULTS. THAT'S
> > ALL!
> >
> > IF this is a problem for YOU then just use YOUR Orion The way you want and
> > don't worry about the topic.
> >
> > Thank you for the other people who GET IT!
> > 73/KC2QMA
> >
> > --- In orion565@yahoogroups.com , Barry
> > N1EU wrote:
> > >
> > > On Wed, Jan 2, 2013 at 2:07 PM, kc2qma wrote:
> > >
> > > > **

> > > >
> > > >
> > > > This is just to show that there is a way to cause the Orion II to have
> > > > distorted audio by simply making a certain combination of adjustments.
> > In
> > > > theory the end user should not be able to cause a device to fail do to
> > > > making any combination of adjustments.(That's know as a BUG)
> > > > >
> > > > >
> > > In a perfect world . . . . .
> > >
> > > Yes, you HAVE found a bug. But considering the endless issues for Ten-Tec
> > > engineering to tackle with limited resources, I'd put this near the bottom
> > > of the list. If a certain combination of adjustments causes a device to
> > > fail, then avoid those combination of adjustments, which in this case
> > > should be EASY to do (i.e., 100hz BW and phone operation).
> > >
> > > 73,
> > > Barry N1EU
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

9023. Re: Possible BUG in DSP Filter Length. Lets see if you can reproduce...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-03 13:41:33 UTC
From: kc2qma
Topic: 8982 Message: 9023

Thank you John Henery and the TT team are doing a great job creating and improving your products.

I BTW I just LOVE the new meter update it works great, And a few of us even think the Orion audio sounds even better than before.

This DSP Filter thing was just a test to see if others had the same results. And since this is just NOT a big problem I would put it way down the list. I think we would all rather TT put their efforts into new products and really cool updates and new features for the Orion.

Once again, Thank you for all the hard work and dedication you and the TT team do for us users.
I AM A TEN TEC FAN FOR LIFE!
73/KC2QMA

--- In orion565@...m, "John" wrote:
>
> Yes, this is created by setting values outside of where they should be, however, the software should either not allow this or recover properly when settings get back to normal. I do remember writing this down on a paper at one of the hamventions a year ago, and have added it to things to look at when time permits. For now, I hate to say, "if it breaks it don't do it". I hate answers like that, but let's continue on and when we do feel it the right time to fix it, we will.
> There are a LOT of oars in the water right now. Gotta prioritize them and depending upon impact to use or if a work around exists, etc., they may get done at a later date.
>
> Thanks for all the inputs, I know sometimes it seems like TenTec isn't listening, that isn't the case, we are 120% utilized at bringing great new things to market, improving existing production products, and finally improving existing products that have been out of production for xx years or more. Not many do that nowadays.
>
> Take care, and 73,
> John Henry, KI4JPL
> TenTec Engineering
>
>
> --- In orion565@yahoogroups.com, "kc2qma" wrote:
> >
> > Wes, you are correct this bug is caused by creating settings that are outside of normal operating practice. However it does appear to be repeatable by other users. This is not a big problem because almost no user will ever need or even want to set their rig this way but it does show a small bug in the software. And that is all that I was trying to find out.
> >
> > I repeat, this is NOT a priority at all, and I don't expect Ten Tec to look at this any time soon.

> >
> > But I will say that the fact that Ten Tec put the "DSP filter length" in the menu was so that the user could adjust the filter "Q" to his or her liking for their particular situation and that is just another thing that makes the Orion really special compared to other rigs.
> >
> > Like I said before, I like to sometimes lower the "DSP filter length" when for example working AM with BW at 9000. It does soften the skirts making for a smoother sound.
> >
> > KC2QMA
> >
> > --- In orion565@yahoogroups.com, "Wes Attaway \(N5WA\)" wrote:
> > >
> > > Before you label something "a bug" I think you should check with the
> > > designer to see what the design parameters were. There may really be a bug
> > > but maybe what you have "discovered" is something that was known and simply
> > > deemed to not be of any interest. Or, it may be so far outside the range of
> > > intended use that it was never considered in any respect, bug or otherwise.
> > >
> > >
> > >
> > > ----------------- Wes Attaway (N5WA) -------------------
> > > 1138 Waters Edge Circle, Shreveport, LA 71106
> > > 318-797-4972 (Office) - 318-393-3289 (Cell)
> > > Computer Consulting and Forensics
> > > -------------- EnCase Certified Examiner ---------------
> > >
> > > _____
> > >
> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > > Of kc2qma
> > > Sent: Wednesday, January 02, 2013 8:43 AM
> > > To: orion565@yahoogroups.com
> > > Subject: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if you
> > > can reproduce...
> > >
> > >
> > >
> > >
> > >
> > >
> > > Hey everybody look we have an antagonist! Hello Barry.
> > >
> > > Clearly you are not reading what I said.
> > >
> > > YES: this is a bug.
> > >
> > > NO: it is not a priority.
> > >
> > > YES: You if you don't make this combination of adjustments it won't cause
> > > this failure.

> > >
> > > NO: I do not use the Orion at 100Hz Bandwidth when listing to anything.
> > >
> > > THIS WAS JUST A TEST TO SEE IF OTHERS COULD CAUSE THE SAME RESULTS. THAT'S
> > > ALL!
> > >
> > > IF this is a problem for YOU then just use YOUR Orion The way you want and
> > > don't worry about the topic.
> > >
> > > Thank you for the other people who GET IT!
> > > 73/KC2QMA
> > >
> > > --- In orion565@yahoogroups.com , Barry
> > > N1EU wrote:
> > > >
> > > > On Wed, Jan 2, 2013 at 2:07 PM, kc2qma wrote:
> > > >
> > > > > **
> > > > >
> > > > >
> > > > > This is just to show that there is a way to cause the Orion II to have
> > > > > distorted audio by simply making a certain combination of adjustments.
> > > In
> > > > > theory the end user should not be able to cause a device to fail do to
> > > > > making any combination of adjustments.(That's know as a BUG)
> > > > >
> > > > >
> > > > In a perfect world . . . . .
> > > >
> > > > Yes, you HAVE found a bug. But considering the endless issues for Ten-Tec
> > > > engineering to tackle with limited resources, I'd put this near the bottom
> > > > of the list. If a certain combination of adjustments causes a device to
> > > > fail, then avoid those combination of adjustments, which in this case
> > > > should be EASY to do (i.e., 100hz BW and phone operation).
> > > >
> > > > 73,
> > > > Barry N1EU
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
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> > >
> > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
>

9025. Power Distribution Board

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-05 21:38:03 UTC
From: mcelmer1
Topic: 9025 Message: 9025

Does anyone know where JP-1 is on this board?

9026. Re: Power Distribution Board

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-06 15:03:15 UTC
From: ve7tk
Topic: 9025 Message: 9026

JP-1 is the 2-pin header on this board. It is adjacent to the heat sink and can be seen in the photos on:

http://www.n6ie.com/A9_Fix.html

73, Rick
VE7TK

--- In orion565@yahoogroups.com, "mcelmer1" wrote:
>
> Does anyone know where JP-1 is on this board?
>

9027. Re: [orion565] Re: Power Distribution Board

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-06 16:37:33 UTC
From: mcelmer1
Topic: 9025 Message: 9027

Rick,

Thanks.

Mike
W8TRN
----- Original Message -----
From: ve7tk
To: orion565@yahoogroups.com
Sent: Sunday, January 06, 2013 08:03
Subject: [orion565] Re: Power Distribution Board

JP-1 is the 2-pin header on this board. It is adjacent to the heat sink and can be seen in the photos on:

http://www.n6ie.com/A9_Fix.html

73, Rick
VE7TK

--- In orion565@yahoogroups.com, "mcelmer1" wrote:
>
> Does anyone know where JP-1 is on this board?
>

[Non-text portions of this message have been removed]

9028. Re: Possible BUG in DSP Filter Length. Lets see if you can rep...

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-06 20:51:12 UTC
From: k1fpv
Topic: 9024 Message: 9028

I must echo those sentiments Tom! Even though I have a couple other manufacturer rigs, Ten-Tec is still my manufacturer of choice. As I look at my rigs, 1 Icom, 1 Yaesu, 2 Kenwoods, 8 Ten-Tec! That includes an RX-340 I use for Short-Wave & Long-Wave listening.

Bill/K1FPV

--- In orion565@yahoogroups.com, catfishtwo@... wrote:
>
> as a normally quiet TT user, I just wish to say thanks to all the folks who
> ARE Ten Tec and keep up the good work. tom N6AJR
>
>
> In a message dated 1/3/2013 5:26:59 A.M. Pacific Standard Time,
> jhenry@... writes:
>
> Yes, this is created by setting values outside of where they should be,
> however, the software should either not allow this or recover properly when
> settings get back to normal. I do remember writing this down on a paper at
> one of the hamventions a year ago, and have added it to things to look at
> when time permits. For now, I hate to say, "if it breaks it don't do it". I
> hate answers like that, but let's continue on and when we do feel it the
> right time to fix it, we will.
> There are a LOT of oars in the water right now. Gotta prioritize them and
> depending upon impact to use or if a work around exists, etc., they may get
> done at a later date.
>
> Thanks for all the inputs, I know sometimes it seems like TenTec isn't
> listening, that isn't the case, we are 120% utilized at bringing great new
> things to market, improving existing production products, and finally
> improving existing products that have been out of production for xx years or more.
> Not many do that nowadays.
>
> Take care, and 73,
> John Henry, KI4JPL
> TenTec Engineering
>
>
> --- In orion565@yahoogroups.com, "kc2qma" wrote:
> >
> > Wes, you are correct this bug is caused by creating settings that are
> outside of normal operating practice. However it does appear to be repeatable
> by other users. This is not a big problem because almost no user will ever
> need or even want to set their rig this way but it does show a small bug
> in the software. And that is all that I was trying to find out.
> >

> > I repeat, this is NOT a priority at all, and I don't expect Ten Tec to
> look at this any time soon.
> >
> > But I will say that the fact that Ten Tec put the "DSP filter length" in
> the menu was so that the user could adjust the filter "Q" to his or her
> liking for their particular situation and that is just another thing that
> makes the Orion really special compared to other rigs.
> >
> > Like I said before, I like to sometimes lower the "DSP filter length"
> when for example working AM with BW at 9000. It does soften the skirts making
> for a smoother sound.
> >
> > KC2QMA
> >
> > --- In orion565@yahoogroups.com, "Wes Attaway \(N5WA\)" wrote:
> > >
> > > Before you label something "a bug" I think you should check with the
> > > designer to see what the design parameters were. There may really be
> a bug
> > > but maybe what you have "discovered" is something that was known and
> simply
> > > deemed to not be of any interest. Or, it may be so far outside the
> range of
> > > intended use that it was never considered in any respect, bug or
> otherwise.
> > >
> > >
> > >
> > > ----------------- Wes Attaway (N5WA) -------------------
> > > 1138 Waters Edge Circle, Shreveport, LA 71106
> > > 318-797-4972 (Office) - 318-393-3289 (Cell)
> > > Computer Consulting and Forensics
> > > -------------- EnCase Certified Examiner ---------------
> > >
> > > _____
> > >
> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf
> > > Of kc2qma
> > > Sent: Wednesday, January 02, 2013 8:43 AM
> > > To: orion565@yahoogroups.com
> > > Subject: [orion565] Re: Possible BUG in DSP Filter Length. Lets see if
> you
> > > can reproduce...
> > >
> > >
> > >
> > >
> > >
> > >
> > > Hey everybody look we have an antagonist! Hello Barry.

> > >
> > > Clearly you are not reading what I said.
> > >
> > > YES: this is a bug.
> > >
> > > NO: it is not a priority.
> > >
> > > YES: You if you don't make this combination of adjustments it won't
> cause
> > > this failure.
> > >
> > > NO: I do not use the Orion at 100Hz Bandwidth when listing to anything.
> > >
> > > THIS WAS JUST A TEST TO SEE IF OTHERS COULD CAUSE THE SAME RESULTS.
> THAT'S
> > > ALL!
> > >
> > > IF this is a problem for YOU then just use YOUR Orion The way you want
> and
> > > don't worry about the topic.
> > >
> > > Thank you for the other people who GET IT!
> > > 73/KC2QMA
> > >
> > > --- In orion565@yahoogroups.com , Barry
> > > N1EU wrote:
> > > >
> > > > On Wed, Jan 2, 2013 at 2:07 PM, kc2qma wrote:
> > > >
> > > > > **
> > > > >
> > > > >
> > > > > This is just to show that there is a way to cause the Orion II to
> have
> > > > > distorted audio by simply making a certain combination of
> adjustments.
> > > In
> > > > > theory the end user should not be able to cause a device to fail
> do to
> > > > > making any combination of adjustments.(That's know as a BUG)
> > > > >
> > > > >
> > > > > In a perfect world . . . . .
> > > >
> > > > Yes, you HAVE found a bug. But considering the endless issues for
> Ten-Tec
> > > > engineering to tackle with limited resources, I'd put this near the
> bottom
> > > > of the list. If a certain combination of adjustments causes a device
> to

> > > > fail, then avoid those combination of adjustments, which in this case
> > > > should be EASY to do (i.e., 100hz BW and phone operation).
> > > >
> > > > 73,
> > > > Barry N1EU
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
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> > > [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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> [Non-text portions of this message have been removed]
>

9029. Re: New 3.033xa Update. New meter behavior / opinion.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-07 04:05:08 UTC
From: n4be_jim
Topic: 8944 Message: 9029

I loaded 3.033xa tonight on my O-II. Sound wise I couldn't tell any difference from the previous 2.039 version. But when using HRD with the new version, the "S" level displayed by HRD seems to be 2-3 times higher than what the meter indicates. I switched back to 2.039 and HRD's "S" display follows the meter better. HRD queries the Orion and displays the response as a number and a bargraph, so the O-II with 3.033xa seems to be returning higher values than real. Not a how stopper for sure, but I decided to go back to 2.039 for the time being. 73, Jim N4BE

--- In orion565@yahoogroups.com, "John" wrote:
>
> Hi Frankie,
>
> Whatever we do, we (hopefully) wouldn't take a step back.
> It's independence of RFGain is a HUGE improvement.
> Maybe add a dampening to it's decay action so it doesn't swing so fast, user definable would be nice, but, well, will see in a week or two.
> Worst case, it is what it is today, and no changes, but I don't feel comfortable with that answer completely myself. But, then I have to get authorization from Jack to improve it.... he runs the company and pulls the final strings.
>
> Thanks, and 73,
> John Henry, KI4JPL
> TenTec Engineering
>
>
> --- In orion565@yahoogroups.com, "Frankie" wrote:
> >
> >
> >
> >
> > I like the way the meter works in the new firmware.
> >
> >
> > Seems like there are 4 meter qualities affected with the new firmware.
> >
> >
> > 1. Meter is now independent of RF Gain control.
> > Big improvement. I really like the new meter action! PLEASE, PLEASE don't take this option away!
> >
> > 2. Meter is not tied to AGC
> > Big improvement. I like how it is now, showing actual signal level, independent of AGC.
> >
> > 3. Meter movement speed. (its fast)
> > I like it now, however it could use some "decay" value in my opinion. I would rather

have no decay than too much though. I am almost afraid to say anything fearing it will revert to something I wouldn't like quite as much. I like it well enough that no further changes would be quite OK with me.
> >
> > 4. Accuracy improved. (excluding AGC induces discrepancies)
> > Big improvement. There is a huge improvement with this firmware. With the old firmware mine was way off (S8 showed +20)
> >
> > Thanks for the changes!!
> > Frankie
> > K4TEN
> >
>

9030. Re: [orion565] New 3.033xa Update. New meter behavior / opinion.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-07 11:12:15 UTC
From: Jerry Rogers
Topic: 8944 Message: 9030

Jim: I also updated my Orion II, and after that my N4PY software's s-meter reads full scale.

I've done a reset, etc. and it still shows full scale. No big problem, but interesting.

Jerry, ki4ps

On Jan 6, 2013, at 11:05 PM, n4be_jim <n4be_jim@...> wrote:

> I loaded 3.033xa tonight on my O-II. Sound wise I couldn't tell any difference from the previous 2.039 version. But when using HRD with the new version, the "S" level displayed by HRD seems to be 2-3 times higher than what the meter indicates. I switched back to 2.039 and HRD's "S" display follows the meter better. HRD queries the Orion and displays the response as a number and a bargraph, so the O-II with 3.033xa seems to be returning higher values than real. Not a how stopper for sure, but I decided to go back to 2.039 for the time being. 73, Jim N4BE
>
> --- In orion565@yahoogroups.com, "John" wrote:
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> > Hi Frankie,
> >
> > Whatever we do, we (hopefully) wouldn't take a step back.
> > It's independence of RFGain is a HUGE improvement.
> > Maybe add a dampening to it's decay action so it doesn't swing so fast, user definable would be nice, but, well, will see in a week or two.
> > Worst case, it is what it is today, and no changes, but I don't feel comfortable with that answer completely myself. But, then I have to get authorization from Jack to improve it.... he runs the company and pulls the final strings.
> >
> > Thanks, and 73,
> > John Henry, KI4JPL
> > TenTec Engineering
> >
> >
> > --- In orion565@yahoogroups.com, "Frankie" wrote:
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> > >
> > >
> > >
> > > I like the way the meter works in the new firmware.
> > >
> > >
> > > Seems like there are 4 meter qualities affected with the new firmware.
> > >
> > >
> > > 1. Meter is now independent of RF Gain control.

> > > Big improvement. I really like the new meter action! PLEASE, PLEASE don't take this option away!
> > >
> > > 2. Meter is not tied to AGC
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> > > 3. Meter movement speed. (its fast)
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> > >
> > > 4. Accuracy improved. (excluding AGC induces discrepancies)
> > > Big improvement. There is a huge improvement with this firmware. With the old firmware mine was way off (S8 showed +20)
> > >
> > > Thanks for the changes!!
> > > Frankie
> > > K4TEN
> > >
> >
>
>

[Non-text portions of this message have been removed]

9031. 565 Display Replacement

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-08 00:00:41 UTC
From: franklincloud79
Topic: 9031 Message: 9031

Would it be wise to buy a spare blue display for the 565 Orion?
I have just bought the 565 and wondered how long the existing display
would be available from Ten Tec. Thanks for any opinions.

Frank

9032. RE: [orion565] 565 Display Replacement

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-08 03:13:45 UTC
From: Wes Attaway (N5WA)
Topic: 9031 Message: 9032

I think it depends on your definition of "wise".

I bought a spare blue display and put it on the shelf. So far, I haven't needed it.

Maybe "wise" depends on how long we (and the radio) live.

---------- Wes Attaway (N5WA) ----------
1138 Waters Edge Circle, Shreveport, LA 71106
318-797-4972 (Office) - 318-393-3289 (Cell)
Computer Consulting and Forensics
---------- EnCase Certified Examiner ----------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of franklincloud79
Sent: Monday, January 07, 2013 6:01 PM
To: orion565@yahoogroups.com
Subject: [orion565] 565 Display Replacement

Would it be wise to buy a spare blue display for the 565 Orion?
I have just bought the 565 and wondered how long the existing display would be available from Ten Tec. Thanks for any opinions.

Frank

[Non-text portions of this message have been removed]

9033. Re: 565 Display Replacement

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-08 08:25:02 UTC
From: Mark
Topic: 9031 Message: 9033

I would advice to first do the LCD current saturation fix :
http://www.tentecwiki.org/lib/exe/fetch.php?media=playground:orion_lcd_current_reduction.pdf

It includes implementing an eight (8) ohm resistor into the back-light wire to reduce the current to the LCD.It was a quick & easy fix AND enhanced the overall contrast.
It takes about 10 minutes after switch-on before the display has its full contrast.

My 565 is in daily use since 2004.

73 Mark, PA5MW

9034. Re: 565 Display Replacement

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-09 05:14:51 UTC
From: franklincloud79
Topic: 9031 Message: 9034

Thanks for advice Mark , I'll sure look into it when the time comes.
73 Frank K4rvn

--- In orion565@yahoogroups.com, "Mark" wrote:
>
> I would advice to first do the LCD current saturation fix :
> http://www.tentecwiki.org/lib/exe/fetch.php?media=playground:orion_lcd_current_reduction.pdf
>
>
> It includes implementing an eight (8) ohm resistor into the back-light wire to reduce the current to the LCD.It was a quick & easy fix AND enhanced the overall contrast.
> It takes about 10 minutes after switch-on before the display has its full contrast.
>
> My 565 is in daily use since 2004.
>
> 73 Mark, PA5MW
>

9035. Re: 565 Display Replacement

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-09 05:23:16 UTC
From: franklincloud79
Topic: 9031 Message: 9035

Wes, I just use Webster for my definition which is having or showing good sense or good judgement. I don't know what Ten Tec's policy is for stocking parts for discontinued transceivers, so though someone with more Ten Tec experience might enlighten me. Thanks for the reply.

73,

Frank

--- In orion565@yahoogroups.com, "Wes Attaway \(N5WA\)" wrote:
>
> I think it depends on your definition of "wise".
>
>
>
> I bought a spare blue display and put it on the shelf. So far, I haven't
> needed it.
>
>
>
> Maybe "wise" depends on how long we (and the radio) live.
>
>
>
> ----------------- Wes Attaway (N5WA) -------------------
> 1138 Waters Edge Circle, Shreveport, LA 71106
> 318-797-4972 (Office) - 318-393-3289 (Cell)
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> -------------- EnCase Certified Examiner ---------------
>
> _____
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of franklincloud79
> Sent: Monday, January 07, 2013 6:01 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] 565 Display Replacement
>
>
>
>
>
>
> Would it be wise to buy a spare blue display for the 565 Orion?
> I have just bought the 565 and wondered how long the existing display
> would be available from Ten Tec. Thanks for any opinions.
>

> Frank
>
>
>
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>
> [Non-text portions of this message have been removed]
>

9037. Re:3.033xa Update. New meter behavior with our favorite rig control software.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-14 08:22:46 UTC
From: kc2qma
Topic: 8944 Message: 9037

The problem is not the Orion II it is the way the N4PY, HRD or our other favorite rig control software reads the new Orion II S-meter data over the serial port from your rig. Your rig control software gets the s-meter level from a data stream over serial port on the back of the Orion II and then our Rig control software then takes that data and translates it to an s-meter reading in our rig control software.

Let me try to make this a little more simple. Before the Orion II update when the Orion II showed let's say S-5 it would show about S-5 in your rig control software. However with the new Orion II update the data the Orion II sends over the serial port to your computer is a little different than before, so the rig control software now might display S-10 or some other incorrect value when the Orion II shows S-5 on the meter.

So what needs to happen is the developers of our favorite programs will have to update their programs to match the new meter functionality of the new Orion II update. this should be no problem for N4PY and Ham Radio Deluxe.

Some rig control software allows you to manually "calibrate" the S-meter with your rig. For example Ham Radio deluxe allows Icom users to calibrate the HRD S-meter with the Meter in the Icom radio to deal with this exact issue.
To see this in HRD go to the options menu and look for ICOM Calibration. (This will only work with ICOM radios.)

I hope this clarifies this a little.
John
73/KC2QMA
-
-
-
-
-
-
--- In orion565@yahoogroups.com, Jerry Rogers wrote:
>
> Jim: I also updated my Orion II, and after that my N4PY software's s-meter reads full scale.
>
> I've done a reset, etc. and it still shows full scale. No big problem, but interesting.
>
> Jerry, ki4ps
>
> On Jan 6, 2013, at 11:05 PM, n4be_jim wrote:
>
> > I loaded 3.033xa tonight on my O-II. Sound wise I couldn't tell any difference from the previous 2.039 version. But when using HRD with the new version, the "S" level displayed by HRD seems to be 2-3 times higher than what the meter indicates. I switched back to 2.039

and HRD's "S" display follows the meter better. HRD queries the Orion and displays the response as a number and a bargraph, so the O-II with 3.033xa seems to be returning higher values than real. Not a how stopper for sure, but I decided to go back to 2.039 for the time being. 73, Jim N4BE
> >
> > --- In orion565@yahoogroups.com, "John" wrote:
> > >
> > > Hi Frankie,
> > >
> > > Whatever we do, we (hopefully) wouldn't take a step back.
> > > It's independence of RFGain is a HUGE improvement.
> > > Maybe add a dampening to it's decay action so it doesn't swing so fast, user definable would be nice, but, well, will see in a week or two.
> > > Worst case, it is what it is today, and no changes, but I don't feel comfortable with that answer completely myself. But, then I have to get authorization from Jack to improve it.... he runs the company and pulls the final strings.
> > >
> > > Thanks, and 73,
> > > John Henry, KI4JPL
> > > TenTec Engineering
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> > >
> > > --- In orion565@yahoogroups.com, "Frankie" wrote:
> > > >
> > > >
> > > >
> > > >
> > > > I like the way the meter works in the new firmware.
> > > >
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> > > > Seems like there are 4 meter qualities affected with the new firmware.
> > > >
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> > > > 1. Meter is now independent of RF Gain control.
> > > > Big improvement. I really like the new meter action! PLEASE, PLEASE don't take this option away!
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> > > > Thanks for the changes!!
> > > > Frankie
> > > > K4TEN
> > > >
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>
> [Non-text portions of this message have been removed]
>

9038. Re:3.033xa Update. New meter behavior with our favorite rig control software.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-15 01:48:22 UTC
From: n4be_jim
Topic: 8944 Message: 9038

The problem with your solution (making the rig control programs change) is that you would now need different versions of the same rig software for each Orion II firmware version. The I-II firmware should present the same numerical values for each S-unit value regardless of how the S value is calculated. It's fairly standard practice in industry to adhere to interface definitions where possible when updating. IMHO. Jim N4VE

--- In orion565@yahoogroups.com, "kc2qma" wrote:
>
> The problem is not the Orion II it is the way the N4PY, HRD or our other favorite rig control software reads the new Orion II S-meter data over the serial port from your rig. Your rig control software gets the s-meter level from a data stream over serial port on the back of the Orion II and then our Rig control software then takes that data and translates it to an s-meter reading in our rig control software.
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> Let me try to make this a little more simple. Before the Orion II update when the Orion II showed let's say S-5 it would show about S-5 in your rig control software. However with the new Orion II update the data the Orion II sends over the serial port to your computer is a little different than before, so the rig control software now might display S-10 or some other incorrect value when the Orion II shows S-5 on the meter.
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> So what needs to happen is the developers of our favorite programs will have to update their programs to match the new meter functionality of the new Orion II update. this should be no problem for N4PY and Ham Radio Deluxe.
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> Some rig control software allows you to manually "calibrate" the S-meter with your rig. For example Ham Radio deluxe allows Icom users to calibrate the HRD S-meter with the Meter in the Icom radio to deal with this exact issue.
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> I hope this clarifies this a little.
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> > > > Thanks, and 73,
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> >
> > [Non-text portions of this message have been removed]
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9039. Re:3.033xa Update. New meter behavior with our favorite rig control software.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-15 02:29:12 UTC
From: kc2qma
Topic: 8944 Message: 9039

Yes Jim, I forgot to add that at the end of the last post. That TT would have possibly to re-adjust the S-meter serial data code to match the original code from prior versions. BTW this is not my solution it was just an explanation of why people are seeing these high S-meter readings in their rig control software.

--- In orion565@yahoogroups.com, "n4be_jim" wrote:
>
> The problem with your solution (making the rig control programs change) is that you would now need different versions of the same rig software for each Orion II firmware version. The I-II firmware should present the same numerical values for each S-unit value regardless of how the S value is calculated. It's fairly standard practice in industry to adhere to interface definitions where possible when updating. IMHO. Jim N4VE
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> > Let me try to make this a little more simple. Before the Orion II update when the Orion II showed let's say S-5 it would show about S-5 in your rig control software. However with the new Orion II update the data the Orion II sends over the serial port to your computer is a little different than before, so the rig control software now might display S-10 or some other incorrect value when the Orion II shows S-5 on the meter.
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> > > > > --- In orion565@yahoogroups.com, "Frankie" wrote:
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> > > > [Non-text portions of this message have been removed]
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9040. Re:3.033xa Update. New meter behavior with our favorite rig control software.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-15 04:38:55 UTC
From: pa1ap
Topic: 8944 Message: 9040

Understand from the discussion below the 566 s meter values over serial port are incorrect or always maximum?

I just checked on the 565 (sorry no 566 available) and I found that the s meter calibration table values match the serial control values nicely (?S command)..

Did you compare 566 s meter calibration values with serial control values as well? Are they not the same?

Prior calibration feature it was up to the control programs to guestimate the translation between ?S value and s meter displayed within the program. To my knowledge there has not been a reference chart published..

With the new calibration feature the reference chart became available. If that means the software developers would need to update their s meter tables... well thatś what they would need to do I guess.

best regards, Onno

Best regards, Onno

--- In orion565@yahoogroups.com, "kc2qma" wrote:
>
> Yes Jim, I forgot to add that at the end of the last post. That TT would have possibly to re-adjust the S-meter serial data code to match the original code from prior versions. BTW this is not my solution it was just an explanation of why people are seeing these high S-meter readings in their rig control software.
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> --- In orion565@yahoogroups.com, "n4be_jim" wrote:
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> > The problem with your solution (making the rig control programs change) is that you would now need different versions of the same rig software for each Orion II firmware version. The I-II firmware should present the same numerical values for each S-unit value regardless of how the S value is calculated. It's fairly standard practice in industry to adhere to interface definitions where possible when updating. IMHO. Jim N4VE
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> > > The problem is not the Orion II it is the way the N4PY, HRD or our other favorite rig control software reads the new Orion II S-meter data over the serial port from your rig. Your rig control software gets the s-meter level from a data stream over serial port on the back of the Orion II and then our Rig control software then takes that data and translates it to an s-meter reading in our rig control software.
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> > > > > > --- In orion565@yahoogroups.com, "Frankie" wrote:
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> > > > [Non-text portions of this message have been removed]
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9041. Re:3.033xa Update. New meter behavior with our favorite rig control software.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-15 15:43:52 UTC
From: kc2qma
Topic: 8944 Message: 9041

Yes, Software follows hardware. How can a software company tell the maker of the ORION II "you need to change your product" so our software works better!

--- In orion565@yahoogroups.com, "pa1ap" wrote:
>
> Understand from the discussion below the 566 s meter values over serial port are incorrect or always maximum?
>
>
> I just checked on the 565 (sorry no 566 available) and I found that the s meter calibration table values match the serial control values nicely (?S command)..
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> Did you compare 566 s meter calibration values with serial control values as well? Are they not the same?
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> With the new calibration feature the reference chart became available. If that means the software developers would need to update their s meter tables... well that□ what they would need to do I guess.
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> > > > > > > [Non-text portions of this message have been removed]
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9042. Re: 3.033xa Update. New meter behavior with our favorite rig control s

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-15 18:18:33 UTC
From: John Kludt
Topic: 9042 Message: 9042

The problem I see with that is the beauty of the new OrionII software is it let' s each user tune the S-meter to each radio/analog meter combo. Hence, there is no "standard value" to pass along the third party software.

John, K4SQC

9043. Re: 3.033xa Update. New meter behavior with our favorite rig control s

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-15 20:21:22 UTC
From: pa1ap
Topic: 9042 Message: 9043

Understand and agree with you.

To me the 3rd party software should take into account the following;

1- (firmware) version detection should be included in order to coop with changes. Take the SAF feature which will only work with a specific firmware. And recently the new s meter calibration feature.

2- The s meter calibration feature compensates for the analogue meter deviation. Each orion could have a different deviation. If you don't care about improved analogue s meter reading you could use the default values which are equal for all units.

3- Indeed this means that 3rd part software would need to offer a similar calibration feature to match the readings correctly. To me that makes sense?

4- The s meter calibration feature seems pretty unique as I have not seen other manufactures offering this type of adjustment. It does explain the newly found challenge :-)

I am cautiously taking side here. To me TT addressed an internal digital / analogue deviation in a nice way and that has been pending for a long time. The remote control software can be made more accurate if it includes similar approach.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, John Kludt wrote:
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> John, K4SQC
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9044. Re: 3.033xa Update. New meter behavior with our favorite rig control s

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-16 15:14:20 UTC
From: John
Topic: 9042 Message: 9044

To all,

As a software developer for a product that works in the field on units that have been working with external programs already, I need to ensure that my software updates to my rigs are compatible with existing programs. I can add functions, and add software interfaces, but I need to ensure that changes do not break existing software programs interfacing with it already in the field. Of course, there may be an instance where I would need to get with the N1MM/N4PY/HRD/Writelog/etc authors of the world and inform them of a change in protocol so that they are ready when I release (and yes, I have done that in the past). e.g. some know to look for version xx before they enable the SAF menu items. Others know to look for version YY before certain 588 features, etc.

Now, with the given SMeter SUnit/signal strength item, what we changed in calibrating the SMeter display has nothing to do with a change in the SMeter value returned in serial queries by computer software programs. An S9 should still come back as an S9. It is based upon what the rig sees and calculates from hardware as to what an S9 is. The only thing the calibration procedure does is permit a guy to fine tune his SMeter readout for what an SMeter value of S9 measured by the DSP, changes the voltage level to the meter for that measurement, and for each Sx measurement along the way. This permits the meter readout to be calibrated mainly for when it ages. Coming out of the factory, this should be correct, but over time and possibly even ones from the factory, may not show an exact S9 when an exact S9 signal is input to the radio.

I can't look at it now, but I do have it logged to look at for a coming release, ensuring that when I put in an exact S9 (and other levels) of signal on the antenna of the rig, that the exact S9 value is returned in the serial query to the software programs on the PCs, so that logging programs and N4PY programs do show what is exactly coming in from the antenna.

Appreciate the inputs, will look into it,

Thanks, and 73
John Henry, KI4JPL

--- In orion565@yahoogroups.com, "pa1ap" wrote:
>
> Understand and agree with you.
>
> To me the 3rd party software should take into account the following;
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> 1- (firmware) version detection should be included in order to coop with changes. Take the SAF feature which will only work with a specific firmware. And recently the new s meter calibration feature.
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> > John, K4SQC
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>

9045. v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-17 03:15:45 UTC
From: w6enz@...
Topic: 9045 Message: 9045

Has anyone else had the problem with v3.033xa firmware that after the Orion II is powered down for the night and then powered up the next morning the main receiver does NOT receive any signals and just has a loud popping noise. At the same time, the RX-366 sub-receiver operates normally. Returning to v3.029 firmware, both receivers work without any issues. A RAM clear and Master Reset was performed when installing the v3.033xa firmware into the Orion. Thanks: Rick -W6ENZ

[Non-text portions of this message have been removed]

9046. Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-17 12:05:33 UTC
From: k1fpv
Topic: 9045 Message: 9046

Hmmmmm.....funny you should ask! I haven't upgraded my Orion II, but am running firmware version 3.029 and have a similar problem. Once the radio has been on a bit and warms, you merely touch the volume control and all suddenly works well. I only recently noticed this a few weeks ago.

Bill/K1FPV

--- In orion565@yahoogroups.com, w6enz@... wrote:
>
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> Has anyone else had the problem with v3.033xa firmware that after the Orion
> II is powered down for the night and then powered up the next morning the
> main receiver does NOT receive any signals and just has a loud popping
> noise. At the same time, the RX-366 sub-receiver operates normally. Returning
> to v3.029 firmware, both receivers work without any issues. A RAM clear and
> Master Reset was performed when installing the v3.033xa firmware into the
> Orion. Thanks: Rick -W6ENZ
>
>
> [Non-text portions of this message have been removed]
>

9047. Re: [orion565] Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-17 13:53:26 UTC
From: w6enz@...
Topic: 9045 Message: 9047

Hello Bill,

Thank you for your email! Yes, that is interesting.... I think I will try to load the v3.033xa again and try touching the volume control and see if it acts the same way as yours does.

I will keep in touch and let you know if it acts the same way here.

73,
Rick - W6ENZ

In a message dated 1/17/2013 4:05:35 A.M. Pacific Standard Time, k1fpv@arrl.net writes:

Hmmmmm.....funny you should ask! I haven't upgraded my Orion II, but am running firmware version 3.029 and have a similar problem. Once the radio has been on a bit and warms, you merely touch the volume control and all suddenly works well. I only recently noticed this a few weeks ago.

Bill/K1FPV

--- In _orion565@yahoogroups.com_ (mailto:orion565@yahoogroups.com) , w6enz@... wrote:
>
>
> Has anyone else had the problem with v3.033xa firmware that after the Orion
> II is powered down for the night and then powered up the next morning the
> main receiver does NOT receive any signals and just has a loud popping
> noise. At the same time, the RX-366 sub-receiver operates normally. Returning
> to v3.029 firmware, both receivers work without any issues. A RAM clear and
> Master Reset was performed when installing the v3.033xa firmware into the
> Orion. Thanks: Rick -W6ENZ
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

9048. RE: [orion565] Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-17 14:11:25 UTC
From: George
Topic: 9045 Message: 9048

I’m on 3.033 firmware in my O2 and I do not experience the stated problem.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of w6enz@...
Sent: Thursday, January 17, 2013 8:53 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: v3.033xa Firmware (Orion II)

Hello Bill,

Thank you for your email! Yes, that is interesting.... I think I will try
to load the v3.033xa again and try touching the volume control and see if
it acts the same way as yours does.

I will keep in touch and let you know if it acts the same way here.

73,
Rick - W6ENZ

In a message dated 1/17/2013 4:05:35 A.M. Pacific Standard Time,
k1fpv@... <mailto:k1fpv%40arrl.net> writes:

Hmmmmm.....funny you should ask! I haven't upgraded my Orion II, but am
running firmware version 3.029 and have a similar problem. Once the radio has
been on a bit and warms, you merely touch the volume control and all
suddenly works well. I only recently noticed this a few weeks ago.

Bill/K1FPV

--- In _orion565@yahoogroups.com <mailto:_orion565%40yahoogroups.com> _
(mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>) ,
w6enz@... wrote:
>
>
> Has anyone else had the problem with v3.033xa firmware that after the
Orion
> II is powered down for the night and then powered up the next morning
the
> main receiver does NOT receive any signals and just has a loud popping
> noise. At the same time, the RX-366 sub-receiver operates normally.
Returning
> to v3.029 firmware, both receivers work without any issues. A RAM clear
and
> Master Reset was performed when installing the v3.033xa firmware into
the
> Orion. Thanks: Rick -W6ENZ

>
>
> [Non-text portions of this message have been removed]
>

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[Non-text portions of this message have been removed]

9049. Re: [orion565] v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-17 15:42:12 UTC
From: Jerry Rogers
Topic: 9045 Message: 9049

Installed the V3.033xa in my Orion II several days after it became available. I have not experienced any problems.

Jerry, ki4ps

On Jan 17, 2013, at 9:11 AM, George <goofyham@...> wrote:

> I?m on 3.033 firmware in my O2 and I do not experience the stated problem.
>
> George W2YJ
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of w6enz@...
> Sent: Thursday, January 17, 2013 8:53 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Re: v3.033xa Firmware (Orion II)
>
> Hello Bill,
>
> Thank you for your email! Yes, that is interesting.... I think I will try
> to load the v3.033xa again and try touching the volume control and see if
> it acts the same way as yours does.
>
> I will keep in touch and let you know if it acts the same way here.
>
> 73,
> Rick - W6ENZ
>
> In a message dated 1/17/2013 4:05:35 A.M. Pacific Standard Time,
> k1fpv@... writes:
>
> Hmmmmm.....funny you should ask! I haven't upgraded my Orion II, but am
> running firmware version 3.029 and have a similar problem. Once the radio has
> been on a bit and warms, you merely touch the volume control and all
> suddenly works well. I only recently noticed this a few weeks ago.
>
> Bill/K1FPV
>
> --- In _orion565@yahoogroups.com _ (mailto:orion565@yahoogroups.com) ,
> w6enz@... wrote:
> >
> >
> > Has anyone else had the problem with v3.033xa firmware that after the
> Orion
> > II is powered down for the night and then powered up the next morning
> the
> > main receiver does NOT receive any signals and just has a loud popping

> > noise. At the same time, the RX-366 sub-receiver operates normally.
> Returning
> > to v3.029 firmware, both receivers work without any issues. A RAM clear
> and
> > Master Reset was performed when installing the v3.033xa firmware into
> the
> > Orion. Thanks: Rick -W6ENZ
> >
> >
> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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9050. RE: [orion565] v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-17 15:44:19 UTC
From: Jim
Topic: 9045 Message: 9050

No issues here.

KE4WY Jim

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Jerry Rogers
Sent: Thursday, January 17, 2013 10:42 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] v3.033xa Firmware (Orion II)

Installed the V3.033xa in my Orion II several days after it became available. I have not experienced any problems.

Jerry, ki4ps

On Jan 17, 2013, at 9:11 AM, George <goofyham@...> wrote:

> I'm on 3.033 firmware in my O2 and I do not experience the stated problem.
>
> George W2YJ
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of w6enz@...
> Sent: Thursday, January 17, 2013 8:53 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Re: v3.033xa Firmware (Orion II)
>
> Hello Bill,
>
> Thank you for your email! Yes, that is interesting.... I think I will try
> to load the v3.033xa again and try touching the volume control and see if
> it acts the same way as yours does.
>
> I will keep in touch and let you know if it acts the same way here.
>
> 73,
> Rick - W6ENZ
>
> In a message dated 1/17/2013 4:05:35 A.M. Pacific Standard Time,
> k1fpv@... writes:
>
> Hmmmmm.....funny you should ask! I haven't upgraded my Orion II, but am
> running firmware version 3.029 and have a similar problem. Once the radio has
> been on a bit and warms, you merely touch the volume control and all

> suddenly works well. I only recently noticed this a few weeks ago.
>
> Bill/K1FPV
>
> --- In _orion565@yahoogroups.com _ (mailto:orion565@yahoogroups.com) ,
> w6enz@... wrote:
> >
> >
> > Has anyone else had the problem with v3.033xa firmware that after the
> Orion
> > II is powered down for the night and then powered up the next morning
> the
> > main receiver does NOT receive any signals and just has a loud popping
> > noise. At the same time, the RX-366 sub-receiver operates normally.
> Returning
> > to v3.029 firmware, both receivers work without any issues. A RAM clear
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> > Master Reset was performed when installing the v3.033xa firmware into
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> > Orion. Thanks: Rick -W6ENZ
> >
> >
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> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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Yahoo! Groups Links

9051. Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-17 15:48:44 UTC
From: k1fpv
Topic: 9045 Message: 9051

Thanks George and Jerry. Well, perhaps I may try to re-load the firmware. I had some trouble using my newer computer running Windows 7 loading it the last time. If that doesn't work, then I will most likely try a master reset.

I'll let the group know how I make out perhaps later today.

Bill/K1FPV

--- In orion565@yahoogroups.com, Jerry Rogers wrote:
>
> Installed the V3.033xa in my Orion II several days after it became available. I have not experienced any problems.
>
> Jerry, ki4ps
>
>
> On Jan 17, 2013, at 9:11 AM, George wrote:
>
> > I'm on 3.033 firmware in my O2 and I do not experience the stated problem.
> > >
> > > George W2YJ
> > >
> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of w6enz@...
> > > Sent: Thursday, January 17, 2013 8:53 AM
> > > To: orion565@yahoogroups.com
> > > Subject: Re: [orion565] Re: v3.033xa Firmware (Orion II)
> > >
> > > Hello Bill,
> > >
> > > Thank you for your email! Yes, that is interesting.... I think I will try
> > > to load the v3.033xa again and try touching the volume control and see if
> > > it acts the same way as yours does.
> > >
> > > I will keep in touch and let you know if it acts the same way here.
> > >
> > > 73,
> > > Rick - W6ENZ
> > >
> > > In a message dated 1/17/2013 4:05:35 A.M. Pacific Standard Time,
> > > k1fpv@... writes:
> > >
> > > Hmmmmm.....funny you should ask! I haven't upgraded my Orion II, but am
> > > running firmware version 3.029 and have a similar problem. Once the radio has
> > > been on a bit and warms, you merely touch the volume control and all
> > > suddenly works well. I only recently noticed this a few weeks ago.

> >
> > Bill/K1FPV
> >
> > --- In _orion565@yahoogroups.com _ (mailto:orion565@yahoogroups.com) ,
> > w6enz@ wrote:
> > >
> > >
> > > Has anyone else had the problem with v3.033xa firmware that after the
> > Orion
> > > II is powered down for the night and then powered up the next morning
> > the
> > > main receiver does NOT receive any signals and just has a loud popping
> > > noise. At the same time, the RX-366 sub-receiver operates normally.
> > Returning
> > > to v3.029 firmware, both receivers work without any issues. A RAM clear
> > and
> > > Master Reset was performed when installing the v3.033xa firmware into
> > the
> > > Orion. Thanks: Rick -W6ENZ
> > >
> > >
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> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
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> >
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>
>
> [Non-text portions of this message have been removed]
>

9052. v3.033xa Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-17 16:06:42 UTC
From: w6enz@...
Topic: 9052 Message: 9052

To All,

Thanks to all who commented on my question.... I will keep at it and post anything new as it occurs.

Rick - W6ENZ

[Non-text portions of this message have been removed]

9053. 2nd RX Board - Value or Use? (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-17 16:21:29 UTC
From: David Little
Topic: 9053 Message: 9053

I recently traded for an Orion II with the updated second receiver.

The original second receiver was also included in the deal.

Is there any value or need on these, or are they fairly common and flooding the market?

Has anyone tried to use one of these to create a band scope that was fast enough to get out of it's own way when the resolution is zoomed to useful proportions?

Info on the board:

Top of board:

78220 Rev E Silk-Screened

81907 Silk-Screened

427-50 Hand Written in permanent marker ink

Bottom of the board:

78220 Rev E Silk-Screened

985 Hand Written in permanent marker ink

9054. Re: [orion565] Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-17 19:04:33 UTC
From: wolfmanjack@...
Topic: 9045 Message: 9054

Since upgrading to 3.033xa I have not had volume control issues. With
3.029, the volume control would quit working. If I tugged on the knob,
it would start working again. Since upgrading, volume control works all
the time, no tugging required!

73 John K7FD

On Thu, Jan 17, 2013 at 5:53 AM, w6enz@... wrote:

Hello Bill,

Thank you for your email! Yes, that is interesting.... I think I will
try
to load the v3.033xa again and try touching the volume control and see
if
it acts the same way as yours does.

I will keep in touch and let you know if it acts the same way here.

73,
Rick - W6ENZ

In a message dated 1/17/2013 4:05:35 A.M. Pacific Standard Time,
k1fpv@...
<javascript:parent.wgMail.openComposeWindow('k1fpv@...t')> writes:

Hmmmmm.....funny you should ask! I haven't upgraded my Orion II, but am
running firmware version 3.029 and have a similar problem. Once the
radio has
been on a bit and warms, you merely touch the volume control and all
suddenly works well. I only recently noticed this a few weeks ago.

Bill/K1FPV

--- In _orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('_orion565@yahoogroups.com')>
_ (mailto: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
) ,
w6enz@... wrote:
>
>
> Has anyone else had the problem with v3.033xa firmware that after the
Orion
> II is powered down for the night and then powered up the next morning
the
> main receiver does NOT receive any signals and just has a loud

> popping noise. At the same time, the RX-366 sub-receiver operates
> normally.
Returning
> to v3.029 firmware, both receivers work without any issues. A RAM
> clear
and
> Master Reset was performed when installing the v3.033xa firmware into
the
> Orion. Thanks: Rick -W6ENZ
>
> [Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

9055. Re: [orion565] Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-17 20:22:13 UTC
From: w6enz@...
Topic: 9045 Message: 9055

Hello John,

Thanks for the info. I have tried v3.033xa again today and after leaving the transceiver turned off for about 2-1/2 hours, the main receiver just crackles and pops while the RX-366 sub-receiver works OK. Tugging the volume knob or adjusting it does not bring the main receiver back on line. Oh well, back to the drawing board as they say.

73,
Rick - W6ENZ

In a message dated 1/17/2013 11:04:39 A.M. Pacific Standard Time, wolfmanjack@... writes:

Since upgrading to 3.033xa I have not had volume control issues. With 3.029, the volume control would quit working. If I tugged on the knob, it would start working again. Since upgrading, volume control works all the time, no tugging required!

73 John K7FD

On Thu, Jan 17, 2013 at 5:53 AM, _w6enz@..._ (mailto:w6enz@aol.com) wrote:

Hello Bill,

Thank you for your email! Yes, that is interesting.... I think I will try
to load the v3.033xa again and try touching the volume control and see if
it acts the same way as yours does.

I will keep in touch and let you know if it acts the same way here.

73,
Rick - W6ENZ

In a message dated 1/17/2013 4:05:35 A.M. Pacific Standard Time, _k1fpv@..._ (mailto:k1fpv@...)
k1fpv@... (mailto:'k1fpv@...) ')> writes:

Hmmmmm.....funny you should ask! I haven't upgraded my Orion II, but am running firmware version 3.029 and have a similar problem. Once the radio has
been on a bit and warms, you merely touch the volume control and all suddenly works well. I only recently noticed this a few weeks ago.

Bill/K1FPV

--- In __orion565@yahoogroups.com_ (mailto:_orion565@yahoogroups.com)
__orion565@yahoogroups.com_ (mailto:'_orion565@yahoogroups.com) ')>
_ (mailto: _orion565@yahoogroups.com_ (mailto:orion565@yahoogroups.com)
orion565@yahoogroups.com (mailto:'orion565@yahoogroups.com) ')>
) ,
w6enz@... wrote:
>
>
> Has anyone else had the problem with v3.033xa firmware that after the
Orion
> II is powered down for the night and then powered up the next morning
the
> main receiver does NOT receive any signals and just has a loud
> popping noise. At the same time, the RX-366 sub-receiver operates
> normally.
Returning
> to v3.029 firmware, both receivers work without any issues. A RAM
> clear
and
> Master Reset was performed when installing the v3.033xa firmware into
the
> Orion. Thanks: Rick -W6ENZ
>
> [Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

orion565@yahoogroups.com (mailto:'orion565@yahoogroups.com) ')>

ygroupsnotifications@yahoogroups.com
(mailto:'ygroupsnotifications@yahoogroups.com) ')>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9056. Re: [orion565] Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-17 20:41:53 UTC
From: Barry N1EU
Topic: 9045 Message: 9056

Please perform a Master Reset if you haven't recently done so.

73,
Barry N1EU

On Thu, Jan 17, 2013 at 8:22 PM, <w6enz@...> wrote:

> **
>
>
> Hello John,
>
> Thanks for the info. I have tried v3.033xa again today and after leaving
> the transceiver turned off for about 2-1/2 hours, the main receiver just
> crackles and pops while the RX-366 sub-receiver works OK. Tugging the
> volume
> knob or adjusting it does not bring the main receiver back on line. Oh
> well, back to the drawing board as they say.
>
> 73,
> Rick - W6ENZ
>
>
> In a message dated 1/17/2013 11:04:39 A.M. Pacific Standard Time,
> wolfmanjack@... writes:
>
> Since upgrading to 3.033xa I have not had volume control issues. With
> 3.029, the volume control would quit working. If I tugged on the knob,
> it would start working again. Since upgrading, volume control works all
> the time, no tugging required!
>
> 73 John K7FD
>
> On Thu, Jan 17, 2013 at 5:53 AM, _w6enz@..._ (mailto:w6enz@...)
> wrote:
>
> Hello Bill,
>
> Thank you for your email! Yes, that is interesting.... I think I will
> try
> to load the v3.033xa again and try touching the volume control and see
> if
> it acts the same way as yours does.
>
> I will keep in touch and let you know if it acts the same way here.
>

> 73,
> Rick - W6ENZ
>
> In a message dated 1/17/2013 4:05:35 A.M. Pacific Standard Time,
> _k1fpv@..._ (mailto:k1fpv@...)
> _k1fpv@..._ (mailto:'k1fpv@...) ')> writes:
>
> Hmmmmm.....funny you should ask! I haven't upgraded my Orion II, but am
> running firmware version 3.029 and have a similar problem. Once the
> radio has
> been on a bit and warms, you merely touch the volume control and all
> suddenly works well. I only recently noticed this a few weeks ago.
>
> Bill/K1FPV
>
> --- In __orion565@yahoogroups.com_ (mailto:_orion565@yahoogroups.com)
> __orion565@yahoogroups.com_ (mailto:'_orion565@yahoogroups.com) ')>
> _ (mailto: _orion565@yahoogroups.com_ (mailto:orion565@yahoogroups.com)
> _orion565@yahoogroups.com_ (mailto:'orion565@yahoogroups.com) ')>
>) ,
> w6enz@... wrote:
> >
> >
> > Has anyone else had the problem with v3.033xa firmware that after the
> Orion
> > II is powered down for the night and then powered up the next morning
> the
> > main receiver does NOT receive any signals and just has a loud
> > popping noise. At the same time, the RX-366 sub-receiver operates
> > normally.
> Returning
> > to v3.029 firmware, both receivers work without any issues. A RAM
> > clear
> and
> > Master Reset was performed when installing the v3.033xa firmware into
> the
> > Orion. Thanks: Rick -W6ENZ
> > >
> > [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
> _orion565@...m_ (mailto:'orion565@yahoogroups.com) ')>
>
> _ygroupsnotifications@yahoogroups.com_
> (mailto:'ygroupsnotifications@yahoogroups.com) ')>
>
>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

9057. Re: [orion565] Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-17 20:42:43 UTC
From: Barry N1EU
Topic: 9045 Message: 9057

Sorry, I see that you did so when you loaded the firmware. Never mind.

On Thu, Jan 17, 2013 at 8:41 PM, Barry N1EU <barry.n1eu@...> wrote:

> Please perform a Master Reset if you haven't recently done so.
>
> 73,
> Barry N1EU
>
>
> On Thu, Jan 17, 2013 at 8:22 PM, <w6enz@...> wrote:
>
>> **
>>
>>
>> Hello John,
>>
>> Thanks for the info. I have tried v3.033xa again today and after leaving
>> the transceiver turned off for about 2-1/2 hours, the main receiver just
>> crackles and pops while the RX-366 sub-receiver works OK. Tugging the
>> volume
>> knob or adjusting it does not bring the main receiver back on line. Oh
>> well, back to the drawing board as they say.
>>
>> 73,
>> Rick - W6ENZ
>>
>>
>> In a message dated 1/17/2013 11:04:39 A.M. Pacific Standard Time,
>> wolfmanjack@... writes:
>>
>> Since upgrading to 3.033xa I have not had volume control issues. With
>> 3.029, the volume control would quit working. If I tugged on the knob,
>> it would start working again. Since upgrading, volume control works all
>> the time, no tugging required!
>>
>> 73 John K7FD
>>
>> On Thu, Jan 17, 2013 at 5:53 AM, _w6enz@..._ (mailto:w6enz@...)
>> wrote:
>>
>> Hello Bill,
>>
>> Thank you for your email! Yes, that is interesting.... I think I will
>> try

>> to load the v3.033xa again and try touching the volume control and see
>> if
>> it acts the same way as yours does.
>>
>> I will keep in touch and let you know if it acts the same way here.
>>
>> 73,
>> Rick - W6ENZ
>>
>> In a message dated 1/17/2013 4:05:35 A.M. Pacific Standard Time,
>> _k1fpv@..._ (mailto:k1fpv@...)
>> _k1fpv@..._ (mailto:'k1fpv@...) ')> writes:
>>
>> Hmmmmm.....funny you should ask! I haven't upgraded my Orion II, but am
>> running firmware version 3.029 and have a similar problem. Once the
>> radio has
>> been on a bit and warms, you merely touch the volume control and all
>> suddenly works well. I only recently noticed this a few weeks ago.
>>
>> Bill/K1FPV
>>
>> --- In __orion565@yahoogroups.com_ (mailto:_orion565@yahoogroups.com)
>> __orion565@yahoogroups.com_ (mailto:'_orion565@yahoogroups.com) ')>
>> _ (mailto: _orion565@yahoogroups.com_ (mailto:orion565@yahoogroups.com)
>> _orion565@yahoogroups.com_ (mailto:'orion565@yahoogroups.com) ')>
>>) ,
>> w6enz@... wrote:
>> >
>> >
>> > Has anyone else had the problem with v3.033xa firmware that after the
>> Orion
>> > II is powered down for the night and then powered up the next morning
>> the
>> > main receiver does NOT receive any signals and just has a loud
>> > popping noise. At the same time, the RX-366 sub-receiver operates
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>> Returning
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>> and
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>> the
>> > Orion. Thanks: Rick -W6ENZ
>> >
>> > [Non-text portions of this message have been removed]
>>
>> [Non-text portions of this message have been removed]
>>
>> _orion565@yahoogroups.com_ (mailto:'orion565@yahoogroups.com) ')>
>>

>> _ygroupsnotifications@yahoogroups.com_
>> (mailto:'ygroupsnotifications@yahoogroups.com) ')>
>>
>>
>> [Non-text portions of this message have been removed]
>>
>> [Non-text portions of this message have been removed]
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>>
>
>

[Non-text portions of this message have been removed]

9058. 500Hz and 250Hz filter IMD3 degradation.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-17 21:02:09 UTC
From: Pierre Rothenburger, F3WT
Topic: 9058 Message: 9058

Hi all

It is or was known that using filters 217 (500Hz) or 218 (250Hz) degraded the IMD3 of O1.
In O2 this has been changed so as NOT to cascade the CW-filters with stock-filters in place, but rather substituting them instead.
Sherweng ranking table showed that degradation.
As a result quite a few O1 folks - as I do - use an Inrad filter 762 600Hz wide swapping the 1KHz stock-filter instead.

While I find this completely satisfactory I still wonder :
a) if the reason has been given or documented ?
b) whether any mods (HW es SW) exist to mimic O2 by paralleling filters 500Hz or 250Hz ?

For a) I made following observation:
With NO ant connected, a 500Hz (8poles- 217 filter inserted indeed in slot 500Hz and enabled), by narrowing the BW button through the 500Hz
level I noticed 2 things: clear audible reduction in noise , which does not surprise me, BUT a clear visual INCREASE of the S-meter noise level by .5 to 1 S level.
Question:Is it not a OVERCOMPENSATION of insertion loss of 217/218 by its additional amp which causes that Sherweng reported IMD3 degradation ?
Or anything else?
73
Pierre
F3WT.

9059. Re: [orion565] 500Hz and 250Hz filter IMD3 degradation.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-17 21:47:14 UTC
From: Barry N1EU
Topic: 9058 Message: 9059

My understanding: the change wasn't about cascading the filters. The change was going from 8 and 6 pole cw filters in the 565 to 4 pole cw filters in the 566 and eliminating a stage of amplification that was needed by the higher loss filters. The extra IMD was attributed to the amplification stage.

The work-around for the 565 was using the 1Khz filter slot and a 600hz 4-pole filter that didn't pass the signal through that stage of amplification.

73,
Barry N1EU

On Thu, Jan 17, 2013 at 9:02 PM, Pierre Rothenburger, F3WT <
f3wt@...> wrote:

> **
>
>
> Hi all
>
> It is or was known that using filters 217 (500Hz) or 218 (250Hz)
> degraded the IMD3 of O1.
> In O2 this has been changed so as NOT to cascade the CW-filters with
> stock-filters in place, but rather substituting them instead.
> Sherweng ranking table showed that degradation.
> As a result quite a few O1 folks - as I do - use an Inrad filter 762 600Hz
> wide swapping the 1KHz stock-filter instead.
>
> While I find this completely satisfactory I still wonder :
> a) if the reason has been given or documented ?
> b) whether any mods (HW es SW) exist to mimic O2 by paralleling filters
> 500Hz or 250Hz ?
>
> For a) I made following observation:
> With NO ant connected, a 500Hz (8poles- 217 filter inserted indeed in
> slot 500Hz and enabled), by narrowing the BW button through the 500Hz
> level I noticed 2 things: clear audible reduction in noise , which does
> not surprise me, BUT a clear visual INCREASE of the S-meter noise level by
> .5 to 1 S level.
> Question:Is it not a OVERCOMPENSATION of insertion loss of 217/218 by its
> additional amp which causes that Sherweng reported IMD3 degradation ?
> Or anything else?
> 73
> Pierre
> F3WT.

>
>
>

[Non-text portions of this message have been removed]

9060. Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-17 21:57:09 UTC
From: k1fpv
Topic: 9045 Message: 9060

Interesting John! I don't have to tug on the control to get the RX to work, just turn in a bit and the RX works. The radio just has to warm up about 10 to 15 minutes, the the volume control adjustment does it!

I think I will try a master reset to see what happens, Just have to write all my menu info down.

Bill/K1FPV

--- In orion565@yahoogroups.com, wolfmanjack@... wrote:
>
>
> Since upgrading to 3.033xa I have not had volume control issues. With
> 3.029, the volume control would quit working. If I tugged on the knob,
> it would start working again. Since upgrading, volume control works all
> the time, no tugging required!
>
> 73 John K7FD
>
> On Thu, Jan 17, 2013 at 5:53 AM, w6enz@... wrote:
>
> Hello Bill,
>
> Thank you for your email! Yes, that is interesting.... I think I will
> try
> to load the v3.033xa again and try touching the volume control and see
> if
> it acts the same way as yours does.
>
> I will keep in touch and let you know if it acts the same way here.
>
> 73,
> Rick - W6ENZ
>
> In a message dated 1/17/2013 4:05:35 A.M. Pacific Standard Time,
> k1fpv@...
> writes:
>
> Hmmmmm.....funny you should ask! I haven't upgraded my Orion II, but am
> running firmware version 3.029 and have a similar problem. Once the
> radio has
> been on a bit and warms, you merely touch the volume control and all
> suddenly works well. I only recently noticed this a few weeks ago.
>
> Bill/K1FPV
>

> --- In _orion565@yahoogroups.com
>
> _ (mailto: orion565@yahoogroups.com
>
>) ,
> w6enz@ wrote:
> >
> >
> > Has anyone else had the problem with v3.033xa firmware that after the
> Orion
> > II is powered down for the night and then powered up the next morning
> the
> > main receiver does NOT receive any signals and just has a loud
> > popping noise. At the same time, the RX-366 sub-receiver operates
> > normally.
> Returning
> > to v3.029 firmware, both receivers work without any issues. A RAM
> > clear
> and
> > Master Reset was performed when installing the v3.033xa firmware into
> the
> > Orion. Thanks: Rick -W6ENZ
> >
> > [Non-text portions of this message have been removed]
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9061. Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-18 01:42:48 UTC
From: Dave Borcher
Topic: 9045 Message: 9061

Yes, that problem occurred precisely in that manner with me too, just today.
No audio except for random popping, and no transmit power in CW or Tune as well.
A RAM Clear and Master Reset fixed it.

Dave K7NG

[Non-text portions of this message have been removed]

9062. Re: [orion565] Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-18 01:51:10 UTC
From: w6enz@...
Topic: 9045 Message: 9062

Hi Dave,

Well, I'm sorry to hear that you experienced the problem too. However, I glad to know that I am the only one who has had it.

Dave, you might want to keep an eye on it. I have downloaded v3.033.xa firmware a number of times now, including RAM Clear and Master Reset procedures. And, yes, it fixed the problem immediately. Also, powering off the radio and waiting a bit (even as long as a half hour) and the radio still worked. I thought that the RAM Clear and Master Reset fixed it too.

With my set, if the radio is powered down for a longer period of time and then powered up, the problem returns. The length of power down time where subsequent failure occurred happened after an all night power down period and today I had the same results after a 2-1/2 hour power down period.

Anyway, you may want to observe your's a bit and see if the problem returns. Good luck with yours.

Oh yes, would you let me know if the problem does come back to your transceiver?

73,
Rick - W6ENZ

In a message dated 1/17/2013 5:42:51 P.M. Pacific Standard Time, cq_k7ng@... writes:

Yes, that problem occurred precisely in that manner with me too, just today.
No audio except for random popping, and no transmit power in CW or Tune as well.
A RAM Clear and Master Reset fixed it.

Dave K7NG

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9064. Re: [orion565] Orion 1 Broadcast interference

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-19 04:37:04 UTC
From: tnnyswy@...
Topic: 9064 Message: 9064

Frank, this is copied from another forum.

>>>> On 1/14/2013 11:05 AM, Al Lorona wrote:
> There are at least two other ways of knocking down interference from nearby AM
> broadcast stations. Each requires the choice of a particular type of antenna.

The
BEST way to kill AM broadcast interference coupled via the antenna is
with a high pass filter. This concept is far from new -- it's been
around since the 1920s. When I lived in Chicago, I used the ICE model
BCB, which is pretty decent. It's rated for 100W. When the ICE
owner/engineer died a few years ago, the company was taken over by one
of the employees under a different name.

WX0B (Array Solutions)
was a distributor for ICE, and is selling AM broadcast filters built by
W3NQN. One model is designed for receive only, so would be used at the
RX antenna patch point with a K3. It is a VERY sophisticated filter,
designed for VERY sharp cutoff so it can eliminate stations at the very
top of the AM band just below 160M. It sells for $225. Another is rated
for 150W, with a less sharp cutoff (but still a VERY good filter), and
sells for $189. W3NQN filters are pretty much the Rolls Royce of
filters.

Array Solutions also builds their own RX only filter for
$56. The cutoff is not nearly as sharp nor as deep as the W3NQN
filters, but would likely be sufficient if your interference is below
about 1300 kHz.

http://www.arraysolutions.com/Products/BCB%20RF%20Filters.htm

73, Jim K9YC <<<<
End of copy.

(((73))) Milverton

>_____
> From: franklincloud79 <franklincloud79@yahoo.com>
>To: orion565@yahoogroups.com
>Sent: Friday, January 18, 2013 5:57 PM
>Subject: [orion565] Orion 1 Broadcast interference
>
>
>
>I have an AM broadcast station about 6 blocks from me. The Orion 1 I just bought is
picking up the station not on the receiver but when I use the push to talk in the SSB mode.
The station is picked up by the mic circuit to the extent the ALC light stays on . It also

puts out full power when there is no speech in the mic even with my hand over the mic and the station comes through the speaker. This only hapens when the push to talk is activated to get on SSB. I cannot use the radio when the station is on the air. I have an Ice brocast filter in the feed line at the transceiver and it blocks the station in receive.
>Any comments would be appreciated to solve this problem. My Ten Tec Omni 6 plus operates just fine with the filter. I have a second filter for the Orion and have switched them to check them. Both OK. I ran a new braided ground strap from the Orin to see if that would help No improvement.
>Thanks,
>
>Frank
>
>
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>

[Non-text portions of this message have been removed]

9065. Re: [orion565] Orion 1 Broadcast interference

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-19 04:41:29 UTC
From: catfishtwo@...
Topic: 9064 Message: 9065

If it is only happening on when you hit the TX button, I would suspect it is entering via the microphone cord. Check with the folks at perhaps Heil microphones for some type of solution, such as putting a torrid on the mic cord, or perhaps a different mic cord or even maybe a capacitor across on of the leads to ground. Just some ideas.. tom N6AJR

In a message dated 1/18/2013 3:57:19 P.M. Pacific Standard Time, franklincloud79@... writes:

I have an AM broadcast station about 6 blocks from me. The Orion 1 I just bought is picking up the station not on the receiver but when I use the push to talk in the SSB mode. The station is picked up by the mic circuit to the extent the ALC light stays on . It also puts out full power when there is no speech in the mic even with my hand over the mic and the station comes through the speaker. This only hapens when the push to talk is activated to get on SSB. I cannot use the radio when the station is on the air. I have an Ice brocast filter in the feed line at the transceiver and it blocks the station in receive.
Any comments would be appreciated to solve this problem. My Ten Tec Omni 6 plus operates just fine with the filter. I have a second filter for the Orion and have switched them to check them. Both OK. I ran a new braided ground strap from the Orin to see if that would help No improvement.
Thanks,

Frank

Yahoo! Groups Links

[Non-text portions of this message have been removed]

9066. Re: [orion565] Orion 1 Broadcast interference

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-19 04:42:39 UTC
From: catfishtwo@...
Topic: 9064 Message: 9066

Or move.. after all ham radio takes priority, right. tom N6AJR

In a message dated 1/18/2013 8:41:31 P.M. Pacific Standard Time,
catfishtwo@... writes:

If it is only happening on when you hit the TX button, I would suspect it
is entering via the microphone cord. Check with the folks at perhaps Heil

microphones for some type of solution, such as putting a torrid on the mic
cord, or perhaps a different mic cord or even maybe a capacitor across
on of
the leads to ground. Just some ideas.. tom N6AJR

In a message dated 1/18/2013 3:57:19 P.M. Pacific Standard Time,
franklincloud79@... writes:

I have an AM broadcast station about 6 blocks from me. The Orion 1 I just
bought is picking up the station not on the receiver but when I use the
push to talk in the SSB mode. The station is picked up by the mic circuit
to
the extent the ALC light stays on . It also puts out full power when
there
is no speech in the mic even with my hand over the mic and the station
comes
through the speaker. This only hapens when the push to talk is activated
to get on SSB. I cannot use the radio when the station is on the air. I
have
an Ice brocast filter in the feed line at the transceiver and it blocks
the station in receive.
Any comments would be appreciated to solve this problem. My Ten Tec Omni
6
plus operates just fine with the filter. I have a second filter for the
Orion and have switched them to check them. Both OK. I ran a new braided
ground strap from the Orin to see if that would help No improvement.
Thanks,

Frank

Yahoo! Groups Links

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Yahoo! Groups Links

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9067. Re: Orion 1 Broadcast interference

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-19 08:43:44 UTC
From: pa1ap
Topic: 9064 Message: 9067

There should be a logical explanation for the rf detection... I know several contests stations running multiple orions and they are able to work without problems.

Couple of questions;

1- did you disconnect all cables and options (mic, headphone, keyer, disconnect too) except for power supply and antenna? Problem still occurs?

2- still following point 1, does touching the rig change anything? Does touching powersupply change anything?

3- connect the mic and repeat #2

4- is the mic cable shielded and does the shield make good contact with the chassis? Remember there is no ground pin on the 565 and ground contact is made through the plug house / ring.

5- Although I do not have an am station next door I included a ferriet core for both mic wires inside the orion. The 565 is as you found very sensitive for rf detection through the mic input. Ten tec even released a mic filter board at the time since many hams faced rf detection. The filter board is nothing else than a low pass filter.

Before taking #5 I would suggest to double check #1-#4 and confirm behavior. Please let us know how it went?

Best regards, Onno de pa1ap

--- In orion565@yahoogroups.com, catfishtwo@... wrote:
>
> Or move.. after all ham radio takes priority, right. tom N6AJR
>
>
> In a message dated 1/18/2013 8:41:31 P.M. Pacific Standard Time,
> catfishtwo@... writes:
>
> If it is only happening on when you hit the TX button, I would suspect it
> is entering via the microphone cord. Check with the folks at perhaps Heil
>
> microphones for some type of solution, such as putting a torrid on the mic
> cord, or perhaps a different mic cord or even maybe a capacitor across
> on of
> the leads to ground. Just some ideas.. tom N6AJR
>
>
> In a message dated 1/18/2013 3:57:19 P.M. Pacific Standard Time,
> franklincloud79@... writes:
>

> I have an AM broadcast station about 6 blocks from me. The Orion 1 I just
> bought is picking up the station not on the receiver but when I use the
> push to talk in the SSB mode. The station is picked up by the mic circuit
> to
> the extent the ALC light stays on . It also puts out full power when
> there
> is no speech in the mic even with my hand over the mic and the station
> comes
> through the speaker. This only hapens when the push to talk is activated
> to get on SSB. I cannot use the radio when the station is on the air. I
> have
> an Ice brocast filter in the feed line at the transceiver and it blocks
> the station in receive.
> Any comments would be appreciated to solve this problem. My Ten Tec Omni
> 6
> plus operates just fine with the filter. I have a second filter for the
> Orion and have switched them to check them. Both OK. I ran a new braided
> ground strap from the Orin to see if that would help No improvement.
> Thanks,
>
> Frank
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9068. Re: Orion 1 Broadcast interference

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-19 08:46:31 UTC
From: pa1ap
Topic: 9064 Message: 9068

Forgot one more isolation step: only connect power supply and connect dummy load to the antenna. Problem still occurs?

--- In orion565@yahoogroups.com, "pa1ap" wrote:
>
> There should be a logical explanation for the rf detection... I know several contests stations running multiple orions and they are able to work without problems.
>
> Couple of questions;
>
> 1- did you disconnect all cables and options (mic, headphone, keyer, disconnect too) except for power supply and antenna? Problem still occurs?
>
> 2- still following point 1, does touching the rig change anything? Does touching powersupply change anything?
>
> 3- connect the mic and repeat #2
>
> 4- is the mic cable shielded and does the shield make good contact with the chassis? Remember there is no ground pin on the 565 and ground contact is made through the plug house / ring.
>
> 5- Although I do not have an am station next door I included a ferriet core for both mic wires inside the orion. The 565 is as you found very sensitive for rf detection through the mic input. Ten tec even released a mic filter board at the time since many hams faced rf detection. The filter board is nothing else than a low pass filter.
>
> Before taking #5 I would suggest to double check #1-#4 and confirm behavior. Please let us know how it went?
>
> Best regards, Onno de pa1ap
>
> --- In orion565@yahoogroups.com, catfishtwo@ wrote:
> >
> > Or move.. after all ham radio takes priority, right. tom N6AJR
> >
> >
> > In a message dated 1/18/2013 8:41:31 P.M. Pacific Standard Time,
> > catfishtwo@ writes:
> >
> > If it is only happening on when you hit the TX button, I would suspect it
> > is entering via the microphone cord. Check with the folks at perhaps Heil
> >
> > microphones for some type of solution, such as putting a torrid on the mic
> > cord, or perhaps a different mic cord or even maybe a capacitor across

> > on of
> > the leads to ground. Just some ideas.. tom N6AJR
> >
> >
> > In a message dated 1/18/2013 3:57:19 P.M. Pacific Standard Time,
> > franklincloud79@ writes:
> >
> > I have an AM broadcast station about 6 blocks from me. The Orion 1 I just
> > bought is picking up the station not on the receiver but when I use the
> > push to talk in the SSB mode. The station is picked up by the mic circuit
> > to
> > the extent the ALC light stays on . It also puts out full power when
> > there
> > is no speech in the mic even with my hand over the mic and the station
> > comes
> > through the speaker. This only hapens when the push to talk is activated
> > to get on SSB. I cannot use the radio when the station is on the air. I
> > have
> > an Ice brocast filter in the feed line at the transceiver and it blocks
> > the station in receive.
> > Any comments would be appreciated to solve this problem. My Ten Tec Omni
> > 6
> > plus operates just fine with the filter. I have a second filter for the
> > Orion and have switched them to check them. Both OK. I ran a new braided
> > ground strap from the Orin to see if that would help No improvement.
> > Thanks,
> >
> > Frank
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9069. Re: [orion565] Orion 1 Broadcast interference

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-19 10:56:05 UTC
From: Barry N1EU
Topic: 9064 Message: 9069

Some good advice has already been given. What mic are you using and how is it wired to the Orion? And is the mic connection exactly the same as the Omni 6?

I would also try winding the mic cable several times around a ferrite toroid near the plug end. A good ground and good grounding scheme are also important in your situation.

If you then still have problems, please confirm that if you unplug the mic, the ALC will not light up when you go into transmit mode. If it still lights up, switch SSB - TX Audio Source to "AUX" and repeat the test and tell us if it still lights up.

73,
Barry N1EU

On Fri, Jan 18, 2013 at 11:57 PM, franklincloud79 <franklincloud79@yahoo.com
> wrote:

> **
>
>
> I have an AM broadcast station about 6 blocks from me. The Orion 1 I just
> bought is picking up the station not on the receiver but when I use the
> push to talk in the SSB mode. The station is picked up by the mic circuit
> to the extent the ALC light stays on . It also puts out full power when
> there is no speech in the mic even with my hand over the mic and the
> station comes through the speaker. This only hapens when the push to talk
> is activated to get on SSB. I cannot use the radio when the station is on
> the air. I have an Ice brocast filter in the feed line at the transceiver
> and it blocks the station in receive.
> Any comments would be appreciated to solve this problem. My Ten Tec Omni 6
> plus operates just fine with the filter. I have a second filter for the
> Orion and have switched them to check them. Both OK. I ran a new braided
> ground strap from the Orin to see if that would help No improvement.
> Thanks,
>
> Frank
>
>
>

[Non-text portions of this message have been removed]

9070. Re: [orion565] v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-19 15:48:15 UTC
From: Sam W Jacobs CET
Topic: 9045 Message: 9070

I would never see that as with the exception of a power outage or two, my ORION II has never been shut off. In my 45 years in the business I have found that electronic devices break down more with on / off operation than if you just leave the device on (with the exception of power amplifiers and a few others).

73 !

Sam
K3SAM

From: "w6enz@..." <w6enz@...>
To: orion565@yahoogroups.com
Sent: Wednesday, January 16, 2013 10:15 PM
Subject: [orion565] v3.033xa Firmware (Orion II)

Has anyone else had the problem with v3.033xa firmware that after the Orion II is powered down for the night and then powered up the next morning the main receiver does NOT receive any signals and just has a loud popping noise. At the same time, the RX-366 sub-receiver operates normally. Returning to v3.029 firmware, both receivers work without any issues. A RAM clear and Master Reset was performed when installing the v3.033xa firmware into the Orion. Thanks: Rick -W6ENZ

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[Non-text portions of this message have been removed]

9071. Flakey audio knob / Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-19 17:41:10 UTC
From: Frankie
Topic: 9071 Message: 9071

Bill,

I had the same issue as you. The volume would sorta "drift" to off. A quick touch of the AF knob would bring it back. I lived with this for quite some time. Later I started having other problems too. The ATTEN and A>B buttons failed to work. I did the resets and they would go back to working. Happened again so I upgraded the firmware and did the resets and everything worked fine for a bit. Then it came back.

The final solution was to replace the battery.

Everything is working fine now.

Frankie
K4TEN

--- In orion565@yahoogroups.com, "k1fpv" wrote:
>
> Hmmmmm.....funny you should ask! I haven't upgraded my Orion II, but am running firmware version 3.029 and have a similar problem. Once the radio has been on a bit and warms, you merely touch the volume control and all suddenly works well. I only recently noticed this a few weeks ago.
>
> Bill/K1FPV
>
>
>
> --- In orion565@yahoogroups.com, w6enz@ wrote:
> >
> >
> > Has anyone else had the problem with v3.033xa firmware that after the Orion
> > II is powered down for the night and then powered up the next morning the
> > main receiver does NOT receive any signals and just has a loud popping
> > noise. At the same time, the RX-366 sub-receiver operates normally. Returning
> > to v3.029 firmware, both receivers work without any issues. A RAM clear and
> > Master Reset was performed when installing the v3.033xa firmware into the
> > Orion. Thanks: Rick -W6ENZ
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

9072. Flakey audio knob / Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-19 19:26:20 UTC
From: k1fpv
Topic: 9071 Message: 9072

Frankie,

That may be my problem. I forgot exactly how old this Orion II is, but I know the battery has never been changed on this radio, or any of my other rigs. Might be a good idea to go through all of them and replace all the batteries.

Thanks for the heads-up!

73,
Bill
K1FPV

--- In orion565@yahoogroups.com, "Frankie" wrote:
>
>
>
> Bill,
>
> I had the same issue as you. The volume would sorta "drift" to off. A quick touch of the AF knob would bring it back. I lived with this for quite some time. Later I started having other problems too. The ATTEN and A>B buttons failed to work. I did the resets and they would go back to working. Happened again so I upgraded the firmware and did the resets and everything worked fine for a bit. Then it came back.
>
> The final solution was to replace the battery.
>
> Everything is working fine now.
>
>
> Frankie
> K4TEN
>
> --- In orion565@yahoogroups.com, "k1fpv" wrote:
> >
> > Hmmmmm.....funny you should ask! I haven't upgraded my Orion II, but am running firmware version 3.029 and have a similar problem. Once the radio has been on a bit and warms, you merely touch the volume control and all suddenly works well. I only recently noticed this a few weeks ago.
> >
> > Bill/K1FPV
> >
> >
> >
> > --- In orion565@yahoogroups.com, w6enz@ wrote:
> > >
> > >

> > > Has anyone else had the problem with v3.033xa firmware that after the Orion
> > > II is powered down for the night and then powered up the next morning the
> > > main receiver does NOT receive any signals and just has a loud popping
> > > noise. At the same time, the RX-366 sub-receiver operates normally. Returning
> > > to v3.029 firmware, both receivers work without any issues. A RAM clear and
> > > Master Reset was performed when installing the v3.033xa firmware into the
> > > Orion. Thanks: Rick -W6ENZ
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
>

9073. Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-19 19:36:14 UTC
From: k1fpv
Topic: 9045 Message: 9073

Sam,

I have often thought of doing just that. My shack is located in my basement where I built and finished a separate room where I have all my ham setups, new as well as boat anchor operating positions. In back of my I have my workbench with my scope, spectrum analyzer meters & generators etc for working on gear. In the winter like this past week, where the temperature for a high yesterday was only 20°F outside and in the morning was close to 0°, my ham shack temperature in the morning often is only in the 40's. I have a heater built into the wall of the room and in the morning bring the bring shack temperature up to 68° before I go in to operate. I also turn the radios on then too.

At least, leaving the ham gear on may help. Right now, the only thing I leave on all the time is my frequency reference. Hmmmmm, food for thought! I can't do much else as I feel like sh*& ..... as I'm fighting the flu.

73,
Bill
K1FPV

--- In orion565@yahoogroups.com, Sam W Jacobs CET wrote:
>
> I would never see that as with the exception of a power outage or two, my ORION II has never been shut off.Â In my 45 years in the business I have found that electronic devices break down more with on / off operation than if you just leave the device on (with the exception of power amplifiers and a few others).
>
>
> Â
> 73 !
>
> Sam
> K3SAM
>
>
>
> _____
> From: "w6enz@..."
> To: orion565@yahoogroups.com
> Sent: Wednesday, January 16, 2013 10:15 PM
> Subject: [orion565] v3.033xa Firmware (Orion II)
>
>
> Â
>
> Has anyone else had the problem with v3.033xa firmware that after the Orion
> II is powered down for the night and then powered up the next morning the

> main receiver does NOT receive any signals and just has a loud popping
> noise. At the same time, the RX-366 sub-receiver operates normally. Returning
> to v3.029 firmware, both receivers work without any issues. A RAM clear and
> Master Reset was performed when installing the v3.033xa firmware into the
> Orion. Thanks: Rick -W6ENZ
>
> [Non-text portions of this message have been removed]
>
>
>
>
> [Non-text portions of this message have been removed]
>

9074. Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-20 11:32:07 UTC
From: pa1ap
Topic: 9045 Message: 9074

Time will tell which operational model provides longest operational dureation :-) One could claim switch off/on cycles will wear down components which are directly involved in unit power. On the other hand with modern equipment the dc-dc convertors have an inherent weak spot with the capacitors. Those capacitors are charged / discharged continiously and their operational lifecycle is around 50K -100K hours. Leaving the unit on would result in around 4000 days before it brakes and that translates nicely to 11 years... not to worry abou that I think :-) But looking at the LCD screen and backlight this might be a bit lower though.

I guess with solid state components the issue of component degradation is a lot less than with the older units. Either operational model would work well.

Best regards, Onno

--- In orion565@yahoogroups.com, "k1fpv" wrote:
>
> Sam,
>
> I have often thought of doing just that. My shack is located in my basement where I built and finished a separate room where I have all my ham setups, new as well as boat anchor operating positions. In back of my I have my workbench with my scope, spectrum analyzer meters & generators etc for working on gear. In the winter like this past week, where the temperature for a high yesterday was only 20°F outside and in the morning was close to 0°, my ham shack temperature in the morning often is only in the 40's. I have a heater built into the wall of the room and in the morning bring the bring shack temperature up to 68° before I go in to operate. I also turn the radios on then too.
>
> At least, leaving the ham gear on may help. Right now, the only thing I leave on all the time is my frequency reference. Hmmmmm, food for thought! I can't do much else as I feel like sh*& ..... as I'm fighting the flu.
>
> 73,
> Bill
> K1FPV
>
>
>
> --- In orion565@yahoogroups.com, Sam W Jacobs CET wrote:
> >
> > I would never see that as with the exception of a power outage or two, my ORION II has never been shut off.Â In my 45 years in the business I have found that electronic devices break down more with on / off operation than if you just leave the device on (with the exception of power amplifiers and a few others).
> >
> >
> > Â
> > 73 !

> >
> > Sam
> > K3SAM
> >
> >
> >
> > _____
> > From: "w6enz@"
> > To: orion565@yahoogroups.com
> > Sent: Wednesday, January 16, 2013 10:15 PM
> > Subject: [orion565] v3.033xa Firmware (Orion II)
> >
> >
> > Â
> >
> > Has anyone else had the problem with v3.033xa firmware that after the Orion
> > II is powered down for the night and then powered up the next morning the
> > main receiver does NOT receive any signals and just has a loud popping
> > noise. At the same time, the RX-366 sub-receiver operates normally. Returning
> > to v3.029 firmware, both receivers work without any issues. A RAM clear and
> > Master Reset was performed when installing the v3.033xa firmware into the
> > Orion. Thanks: Rick -W6ENZ
> >
> > [Non-text portions of this message have been removed]
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> > [Non-text portions of this message have been removed]
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>

9075. Re: [orion565] Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-20 14:05:28 UTC
From: Sam W Jacobs CET
Topic: 9045 Message: 9075

Even as a Chief Engineer, I would instruct the disc-jockeys to leave all the equipment on during the night including the remote transmitter filaments and audio gear. I found that lead to a lot less repairs and preventative maintenance that I had to do. I'm no longer CE and the stations are on 24/7 now, but that worked for me way back then and still works for me personally now.

73 !

Sam
K3SAM

From: k1fpv <k1fpv@...>
To: orion565@yahoogroups.com
Sent: Saturday, January 19, 2013 2:36 PM
Subject: [orion565] Re: v3.033xa Firmware (Orion II)

Sam,

I have often thought of doing just that. My shack is located in my basement where I built and finished a separate room where I have all my ham setups, new as well as boat anchor operating positions. In back of my I have my workbench with my scope, spectrum analyzer meters & generators etc for working on gear. In the winter like this past week, where the temperature for a high yesterday was only 20°F outside and in the morning was close to 0°, my ham shack temperature in the morning often is only in the 40's. I have a heater built into the wall of the room and in the morning bring the bring shack temperature up to 68° before I go in to operate. I also turn the radios on then too.

At least, leaving the ham gear on may help. Right now, the only thing I leave on all the time is my frequency reference. Hmmmmm, food for thought! I can't do much else as I feel like sh*& ..... as I'm fighting the flu.

73,
Bill
K1FPV

--- In orion565@yahoogroups.com, Sam W Jacobs CET wrote:
>
> I would never see that as with the exception of a power outage or two, my ORION II has never been shut off.Â In my 45 years in the business I have found that electronic devices break down more with on / off operation than if you just leave the device on (with the exception of power amplifiers and a few others).
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> 73 !
>

> Sam
> K3SAM
>
>
>
> _____
> From: "w6enz@..."
> To: orion565@yahoogroups.com
> Sent: Wednesday, January 16, 2013 10:15 PM
> Subject: [orion565] v3.033xa Firmware (Orion II)
>
>
> Â
>
> Has anyone else had the problem with v3.033xa firmware that after the Orion
> II is powered down for the night and then powered up the next morning the
> main receiver does NOT receive any signals and just has a loud popping
> noise. At the same time, the RX-366 sub-receiver operates normally. Returning
> to v3.029 firmware, both receivers work without any issues. A RAM clear and
> Master Reset was performed when installing the v3.033xa firmware into the
> Orion. Thanks: Rick -W6ENZ
>
> [Non-text portions of this message have been removed]
>
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> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

9076. Re: Flakey audio knob / Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-20 15:08:36 UTC
From: Paul K.
Topic: 9071 Message: 9076

How long should a new replacement battery be expected to last in an
Orion 1? I replaced the battery in late 2011. What should I expect?

--
Paul K. WA0BAG

[Non-text portions of this message have been removed]

9077. Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-20 20:04:30 UTC
From: k1fpv
Topic: 9045 Message: 9077

Yeah! I hear ya Sam. I started in broadcasting back in 1968 when we all had to have FCC 1st. Class Radiotelephone Licenses and we did the same at the station I worked at then. Even all the tube equipment too! Of course, I wasn't paying the electric bill. ;=)I guess it kinda becomes a habit nowadays with the conscious efforts to conserve electricity. But again, 1 or 2 radios wouldn't hurt I guess that much....especially since I'm not talking about one of my boat anchor setups which would most likely make me not have to run the heat in the basement ham shack. The tube rigs do a nice job of warming the shack! :=)

Bill/K1FPV

--- In orion565@yahoogroups.com, Sam W Jacobs CET wrote:
>
> Even as a Chief Engineer, I would instruct the disc-jockeys to leave all the equipment on during the night including the remote transmitter filaments and audio gear.Â I found that lead to a lot less repairs and preventative maintenance that I had to do.Â I'm no longer CE and the stations are on 24/7 now, but that worked for me way back then and still works for me personally now.
>
>
> Â
> 73 !
>
> Sam
> K3SAM
>
>
>
> _____
> From: k1fpv
> To: orion565@yahoogroups.com
> Sent: Saturday, January 19, 2013 2:36 PM
> Subject: [orion565] Re: v3.033xa Firmware (Orion II)
>
>
> Â
> Sam,
>
> I have often thought of doing just that. My shack is located in my basement where I built and finished a separate room where I have all my ham setups, new as well as boat anchor operating positions. In back of my I have my workbench with my scope, spectrum analyzer meters & generators etc for working on gear. In the winter like this past week, where the temperature for a high yesterday was only 20Â°F outside and in the morning was close to 0Â°, my ham shack temperature in the morning often is only in the 40's. I have a heater built into the wall of the room and in the morning bring the bring shack temperature up to 68Â° before I go in to operate. I also turn the radios on then too.
>
> At least, leaving the ham gear on may help. Right now, the only thing I leave on all the time is my frequency reference. Hmmmmm, food for thought! I can't do much else as I feel like sh*& ..... as I'm fighting the flu.

>
> 73,
> Bill
> K1FPV
>
> --- In orion565@yahoogroups.com, Sam W Jacobs CET wrote:
> >
> > I would never see that as with the exception of a power outage or two, my ORION II has never been shut off.ÃÂ In my 45 years in the business I have found that electronic devices break down more with on / off operation than if you just leave the device on (with the exception of power amplifiers and a few others).
> >
> >
> > ÃÂ
> > 73 !
> >
> > Sam
> > K3SAM
> >
> >
> >
> > _____
> > From: "w6enz@"
> > To: orion565@yahoogroups.com
> > Sent: Wednesday, January 16, 2013 10:15 PM
> > Subject: [orion565] v3.033xa Firmware (Orion II)
> >
> >
> > ÃÂ
> >
> > Has anyone else had the problem with v3.033xa firmware that after the Orion
> > II is powered down for the night and then powered up the next morning the
> > main receiver does NOT receive any signals and just has a loud popping
> > noise. At the same time, the RX-366 sub-receiver operates normally. Returning
> > to v3.029 firmware, both receivers work without any issues. A RAM clear and
> > Master Reset was performed when installing the v3.033xa firmware into the
> > Orion. Thanks: Rick -W6ENZ
> >
> > [Non-text portions of this message have been removed]
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> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]

>

9078. Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-23 22:00:52 UTC
From: k1fpv
Topic: 9045 Message: 9078

For everyone's FYI, I did a master reset and all is well. I still will most likely replace the battery in mine though to avoid future problems.

Bill/K1FPV

--- In orion565@yahoogroups.com, "k1fpv" wrote:
>
> Interesting John! I don't have to tug on the control to get the RX to work, just turn in a bit and the RX works. The radio just has to warm up about 10 to 15 minutes, the the volume control adjustment does it!
>
> I think I will try a master reset to see what happens, Just have to write all my menu info down.
>
> Bill/K1FPV
>
>
>
>
> --- In orion565@yahoogroups.com, wolfmanjack@ wrote:
> >
> >
> > Since upgrading to 3.033xa I have not had volume control issues. With
> > 3.029, the volume control would quit working. If I tugged on the knob,
> > it would start working again. Since upgrading, volume control works all
> > the time, no tugging required!
> >
> > 73 John K7FD
> >
> > On Thu, Jan 17, 2013 at 5:53 AM, w6enz@ wrote:
> >
> > Hello Bill,
> >
> > Thank you for your email! Yes, that is interesting.... I think I will
> > try
> > to load the v3.033xa again and try touching the volume control and see
> > if
> > it acts the same way as yours does.
> >
> > I will keep in touch and let you know if it acts the same way here.
> >
> > 73,
> > Rick - W6ENZ
> >
> > In a message dated 1/17/2013 4:05:35 A.M. Pacific Standard Time,

> > k1fpv@
> > writes:
> >
> > Hmmmmm.....funny you should ask! I haven't upgraded my Orion II, but am
> > running firmware version 3.029 and have a similar problem. Once the
> > radio has
> > been on a bit and warms, you merely touch the volume control and all
> > suddenly works well. I only recently noticed this a few weeks ago.
> >
> > Bill/K1FPV
> >
> > --- In _orion565@yahoogroups.com
> >
> > _ (mailto: orion565@yahoogroups.com
> >
> >) ,
> > w6enz@ wrote:
> > >
> > >
> > > Has anyone else had the problem with v3.033xa firmware that after the
> > Orion
> > > II is powered down for the night and then powered up the next morning
> > the
> > > main receiver does NOT receive any signals and just has a loud
> > > popping noise. At the same time, the RX-366 sub-receiver operates
> > > normally.
> > Returning
> > > to v3.029 firmware, both receivers work without any issues. A RAM
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> > and
> > > Master Reset was performed when installing the v3.033xa firmware into
> > the
> > > Orion. Thanks: Rick -W6ENZ
> > >
> > > [Non-text portions of this message have been removed]
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> > [Non-text portions of this message have been removed]
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>

9079. Re: Orion 1 Broadcast interference

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-24 04:25:44 UTC
From: franklincloud79
Topic: 9064 Message: 9079

Using Heil proset 6headset/mic with Heil hand switch ptt.Using the heil adapter for both the omni 6+ and Orion exactly the same.
Tried a ferrite toroid, and several, however wrong mix for broadcast attenuation, did not work.Ground system cleaned , checked additiona braided strap replaced a wire. When I unplug the mic, the ALC will not light in the tune mode. Receive is no problem, no interference. Tonight when the station runs reduced powe, a qso station in Andover mast heard the mexican music from my station over the air even when the alc, nor s meter was not affected. I have some j mix snap on
beads ordered for the mic cord and switch cord. I also emailed Heil for any suggestions. I switched from mic source to aux, it still lights up. Thanks for the reply.

frank

--- In orion565@yahoogroups.com, Barry N1EU wrote:
>
> Some good advice has already been given. What mic are you using and how is
> it wired to the Orion? And is the mic connection exactly the same as the
> Omni 6?
>
> I would also try winding the mic cable several times around a ferrite
> toroid near the plug end. A good ground and good grounding scheme are also
> important in your situation.
>
> If you then still have problems, please confirm that if you unplug the mic,
> the ALC will not light up when you go into transmit mode. If it still
> lights up, switch SSB - TX Audio Source to "AUX" and repeat the test and
> tell us if it still lights up.
>
> 73,
> Barry N1EU
>
> On Fri, Jan 18, 2013 at 11:57 PM, franklincloud79
> wrote:
>
> > **
> >
> >
> > I have an AM broadcast station about 6 blocks from me. The Orion 1 I just
> > bought is picking up the station not on the receiver but when I use the
> > push to talk in the SSB mode. The station is picked up by the mic circuit
> > to the extent the ALC light stays on . It also puts out full power when
> > there is no speech in the mic even with my hand over the mic and the
> > station comes through the speaker. This only hapens when the push to talk
> > is activated to get on SSB. I cannot use the radio when the station is on
> > the air. I have an Ice brocast filter in the feed line at the transceiver

> > and it blocks the station in receive.
> > Any comments would be appreciated to solve this problem. My Ten Tec Omni 6
> > plus operates just fine with the filter. I have a second filter for the
> > Orion and have switched them to check them. Both OK. I ran a new braided
> > ground strap from the Orin to see if that would help No improvement.
> > Thanks,
> >
> > Frank
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

9080. Re: Orion 1 Broadcast interference

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-24 04:30:00 UTC
From: franklincloud79
Topic: 9064 Message: 9080

I have an Ice filter on the Orion and have no problems with receive. The mic circuit is broadcasting voice from the station on transmit.
Thanks for the reply Jim. I'm just learning to use this message posting.
Frank

--- In orion565@yahoogroups.com, tnnyswy@... wrote:
>
> Frank, this is copied from another forum.
>
> >>>> Â On 1/14/2013 11:05 AM, Al Lorona wrote:
> > There are at least two other ways of knocking down interference from nearby AM
> > broadcast stations. Each requires the choice of a particular type of antenna.
>
> The
> BEST way to kill AM broadcast interference coupled via the antenna is
> with a high pass filter.Â This concept is far from new -- it's been
> around since the 1920s. When I lived in Chicago, I used the ICE model
> BCB, which is pretty decent. It's rated for 100W. When the ICE
> owner/engineer died a few years ago, the company was taken over by one
> of the employees under a different name.
>
> WX0B (Array Solutions)
> was a distributor for ICE, and is selling AM broadcast filters built by
> W3NQN.Â One model is designed for receive only, so would be used at the
> RX antenna patch point with a K3. It is a VERY sophisticated filter,
> designed for VERY sharp cutoff so it can eliminate stations at the very
> top of the AM band just below 160M. It sells for $225. Another is rated
> for 150W, with a less sharp cutoff (but still a VERY good filter), and
> sells for $189.Â W3NQN filters are pretty much the Rolls Royce of
> filters.
>
> Array Solutions also builds their own RX only filter for
> $56.Â The cutoff is not nearly as sharp nor as deep as the W3NQN
> filters, but would likely be sufficient if your interference is below
> about 1300 kHz.
>
> http://www.arraysolutions.com/Products/BCB%20RF%20Filters.htm
>
> 73, Jim K9YCÂ Â <<<<Â Â
> End of copy.
>
>
> (((73))) Milverton
>
>

>
>
>
>
> >_________________________________
> > From: franklincloud79
> >To: orion565@yahoogroups.com
> >Sent: Friday, January 18, 2013 5:57 PM
> >Subject: [orion565] Orion 1 Broadcast interference
> >
> >
> >Â
> >I have an AM broadcast station about 6 blocks from me. The Orion 1 I just bought is picking up the station not on the receiver but when I use the push to talk in the SSB mode. The station is picked up by the mic circuit to the extent the ALC light stays on . It also puts out full power when there is no speech in the mic even with my hand over the mic and the station comes through the speaker. This only hapens when the push to talk is activated to get on SSB. I cannot use the radio when the station is on the air. I have an Ice brocast filter in the feed line at the transceiver and it blocks the station in receive.
> >Any comments would be appreciated to solve this problem. My Ten Tec Omni 6 plus operates just fine with the filter. I have a second filter for the Orion and have switched them to check them. Both OK. I ran a new braided ground strap from the Orin to see if that would help No improvement.
> >Thanks,
> >
> >Frank
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>

9081. Re: Orion 1 Broadcast interference

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-24 04:34:31 UTC
From: franklincloud79
Topic: 9064 Message: 9081

Thanks Tom, I think you are right about the mic circuit. I emailed Heil, but they are out of the office until Feb. Thanks for reply

--- In orion565@yahoogroups.com, catfishtwo@... wrote:
>
> If it is only happening on when you hit the TX button, I would suspect it
> is entering via the microphone cord. Check with the folks at perhaps Heil
> microphones for some type of solution, such as putting a torrid on the mic
> cord, or perhaps a different mic cord or even maybe a capacitor across on of
> the leads to ground. Just some ideas.. tom N6AJR
>
>
> In a message dated 1/18/2013 3:57:19 P.M. Pacific Standard Time,
> franklincloud79@... writes:
>
> I have an AM broadcast station about 6 blocks from me. The Orion 1 I just
> bought is picking up the station not on the receiver but when I use the
> push to talk in the SSB mode. The station is picked up by the mic circuit to
> the extent the ALC light stays on . It also puts out full power when there
> is no speech in the mic even with my hand over the mic and the station comes
> through the speaker. This only hapens when the push to talk is activated
> to get on SSB. I cannot use the radio when the station is on the air. I have
> an Ice brocast filter in the feed line at the transceiver and it blocks
> the station in receive.
> Any comments would be appreciated to solve this problem. My Ten Tec Omni 6
> plus operates just fine with the filter. I have a second filter for the
> Orion and have switched them to check them. Both OK. I ran a new braided
> ground strap from the Orin to see if that would help No improvement.
> Thanks,
>
> Frank
>
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> Yahoo! Groups Links
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> [Non-text portions of this message have been removed]

>

9082. Re: Orion 1 Broadcast interference

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-24 04:44:14 UTC
From: franklincloud79
Topic: 9064 Message: 9082

Yes to number 1
no to # 2, tried # 3 several times have three different mikes for the Orion.
I don't know if the cable on the Heil Proset 6 is shielded or the Heil hand switch. Have emailed Heil, they are out of the office until Feb. Using the Heil adaptor which screws on mic connection to Orion, tight.I have not open up the Orion to check on possibility of #5.
Thanks for reply palap,
Frank

--- In orion565@yahoogroups.com, "pa1ap" wrote:
>
> There should be a logical explanation for the rf detection... I know several contests stations running multiple orions and they are able to work without problems.
>
> Couple of questions;
>
> 1- did you disconnect all cables and options (mic, headphone, keyer, disconnect too) except for power supply and antenna? Problem still occurs?
>
> 2- still following point 1, does touching the rig change anything? Does touching powersupply change anything?
>
> 3- connect the mic and repeat #2
>
> 4- is the mic cable shielded and does the shield make good contact with the chassis? Remember there is no ground pin on the 565 and ground contact is made through the plug house / ring.
>
> 5- Although I do not have an am station next door I included a ferriet core for both mic wires inside the orion. The 565 is as you found very sensitive for rf detection through the mic input. Ten tec even released a mic filter board at the time since many hams faced rf detection. The filter board is nothing else than a low pass filter.
>
> Before taking #5 I would suggest to double check #1-#4 and confirm behavior. Please let us know how it went?
>
> Best regards, Onno de pa1ap
>
> --- In orion565@yahoogroups.com, catfishtwo@ wrote:
> >
> > Or move.. after all ham radio takes priority, right. tom N6AJR
> >
> >
> > In a message dated 1/18/2013 8:41:31 P.M. Pacific Standard Time,
> > catfishtwo@ writes:
> >

> > If it is only happening on when you hit the TX button, I would suspect it
> > is entering via the microphone cord. Check with the folks at perhaps Heil
> >
> > microphones for some type of solution, such as putting a torrid on the mic
> > cord, or perhaps a different mic cord or even maybe a capacitor across
> > on of
> > the leads to ground. Just some ideas.. tom N6AJR
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> > In a message dated 1/18/2013 3:57:19 P.M. Pacific Standard Time,
> > franklincloud79@ writes:
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> > I have an AM broadcast station about 6 blocks from me. The Orion 1 I just
> > bought is picking up the station not on the receiver but when I use the
> > push to talk in the SSB mode. The station is picked up by the mic circuit
> > to
> > the extent the ALC light stays on . It also puts out full power when
> > there
> > is no speech in the mic even with my hand over the mic and the station
> > comes
> > through the speaker. This only hapens when the push to talk is activated
> > to get on SSB. I cannot use the radio when the station is on the air. I
> > have
> > an Ice brocast filter in the feed line at the transceiver and it blocks
> > the station in receive.
> > Any comments would be appreciated to solve this problem. My Ten Tec Omni
> > 6
> > plus operates just fine with the filter. I have a second filter for the
> > Orion and have switched them to check them. Both OK. I ran a new braided
> > ground strap from the Orin to see if that would help No improvement.
> > Thanks,
> >
> > Frank
> >
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> > Yahoo! Groups Links
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9083. Re: Orion 1 Broadcast interference

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-24 04:46:49 UTC
From: franklincloud79
Topic: 9064 Message: 9083

Interference also when using a dummy load on transmit.

--- In orion565@yahoogroups.com, "pa1ap" wrote:
>
> Forgot one more isolation step: only connect power supply and connect dummy load to the antenna. Problem still occurs?
>
> --- In orion565@yahoogroups.com, "pa1ap" wrote:
> >
> > There should be a logical explanation for the rf detection... I know several contests stations running multiple orions and they are able to work without problems.
> >
> > Couple of questions;
> >
> > 1- did you disconnect all cables and options (mic, headphone, keyer, disconnect too) except for power supply and antenna? Problem still occurs?
> >
> > 2- still following point 1, does touching the rig change anything? Does touching powersupply change anything?
> >
> > 3- connect the mic and repeat #2
> >
> > 4- is the mic cable shielded and does the shield make good contact with the chassis? Remember there is no ground pin on the 565 and ground contact is made through the plug house / ring.
> >
> > 5- Although I do not have an am station next door I included a ferriet core for both mic wires inside the orion. The 565 is as you found very sensitive for rf detection through the mic input. Ten tec even released a mic filter board at the time since many hams faced rf detection. The filter board is nothing else than a low pass filter.
> >
> > Before taking #5 I would suggest to double check #1-#4 and confirm behavior. Please let us know how it went?
> >
> > Best regards, Onno de pa1ap
> >
> > --- In orion565@yahoogroups.com, catfishtwo@ wrote:
> > >
> > > Or move.. after all ham radio takes priority, right. tom N6AJR
> > >
> > >
> > > In a message dated 1/18/2013 8:41:31 P.M. Pacific Standard Time,
> > > catfishtwo@ writes:
> > >
> > > If it is only happening on when you hit the TX button, I would suspect it

> > > is entering via the microphone cord. Check with the folks at perhaps Heil
> > >
> > > microphones for some type of solution, such as putting a torrid on the mic
> > > cord, or perhaps a different mic cord or even maybe a capacitor across
> > > on of
> > > the leads to ground. Just some ideas.. tom N6AJR
> > >
> > >
> > > In a message dated 1/18/2013 3:57:19 P.M. Pacific Standard Time,
> > > franklincloud79@ writes:
> > >
> > > I have an AM broadcast station about 6 blocks from me. The Orion 1 I just
> > > bought is picking up the station not on the receiver but when I use the
> > > push to talk in the SSB mode. The station is picked up by the mic circuit
> > > to
> > > the extent the ALC light stays on . It also puts out full power when
> > > there
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> > > through the speaker. This only hapens when the push to talk is activated
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> > > Orion and have switched them to check them. Both OK. I ran a new braided
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9084. Re: Orion 1 Broadcast interference

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-24 12:50:57 UTC
From: kc2qma
Topic: 9064 Message: 9084

I know this is a long shot but Take the covers off the Orion and re-seat all of the mini-RG coax cables inside the rig.
You may have a loose (open shield) connection with one of the coax cables in the rig?
Anyway just a thought.
John
73/KC2QMA

--- In orion565@yahoogroups.com, "franklincloud79" wrote:
>
> Interference also when using a dummy load on transmit.
>
> --- In orion565@yahoogroups.com, "pa1ap" wrote:
> >
> > Forgot one more isolation step: only connect power supply and connect dummy load to the antenna. Problem still occurs?
> >
> > --- In orion565@yahoogroups.com, "pa1ap" wrote:
> > >
> > > There should be a logical explanation for the rf detection... I know several contests stations running multiple orions and they are able to work without problems.
> > >
> > > Couple of questions;
> > >
> > > 1- did you disconnect all cables and options (mic, headphone, keyer, disconnect too) except for power supply and antenna? Problem still occurs?
> > >
> > > 2- still following point 1, does touching the rig change anything? Does touching powersupply change anything?
> > >
> > > 3- connect the mic and repeat #2
> > >
> > > 4- is the mic cable shielded and does the shield make good contact with the chassis? Remember there is no ground pin on the 565 and ground contact is made through the plug house / ring.
> > >
> > > 5- Although I do not have an am station next door I included a ferriet core for both mic wires inside the orion. The 565 is as you found very sensitive for rf detection through the mic input. Ten tec even released a mic filter board at the time since many hams faced rf detection. The filter board is nothing else than a low pass filter.
> > >
> > > Before taking #5 I would suggest to double check #1-#4 and confirm behavior. Please let us know how it went?
> > >
> > > Best regards, Onno de pa1ap
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> > > --- In orion565@yahoogroups.com, catfishtwo@ wrote:

> > > >
> > > > Or move.. after all ham radio takes priority, right. tom N6AJR
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> > > > In a message dated 1/18/2013 8:41:31 P.M. Pacific Standard Time,
> > > > catfishtwo@ writes:
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> > > > microphones for some type of solution, such as putting a torrid on the mic
> > > > cord, or perhaps a different mic cord or even maybe a capacitor across
> > > > on of
> > > > the leads to ground. Just some ideas.. tom N6AJR
> > > >
> > > >
> > > > In a message dated 1/18/2013 3:57:19 P.M. Pacific Standard Time,
> > > > franklincloud79@ writes:
> > > >
> > > > I have an AM broadcast station about 6 blocks from me. The Orion 1 I just
> > > > bought is picking up the station not on the receiver but when I use the
> > > > push to talk in the SSB mode. The station is picked up by the mic circuit
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> > > > the extent the ALC light stays on . It also puts out full power when
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> > > > is no speech in the mic even with my hand over the mic and the station
> > > > comes
> > > > through the speaker. This only hapens when the push to talk is activated
> > > > to get on SSB. I cannot use the radio when the station is on the air. I
> > > > have
> > > > an Ice brocast filter in the feed line at the transceiver and it blocks
> > > > the station in receive.
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> > > > plus operates just fine with the filter. I have a second filter for the
> > > > Orion and have switched them to check them. Both OK. I ran a new braided
> > > > ground strap from the Orin to see if that would help No improvement.
> > > > Thanks,
> > > >
> > > > Frank
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9085. Re: Orion 1 Broadcast interference

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-24 16:04:05 UTC
From: Rolf Krogstad
Topic: 9064 Message: 9085

My apologies in advance if this has already been mentioned or does not apply.
I had issues with RFI on the audio and found that the Heil Audio Tip solved the problem.
Direct link is http://www.heilsound.com/amateur/tips/rfi_removal_mics.php
Or go to the Heil Website and click on their menu item TIPS which is near the top, right of center.
Then select the item "RFI Removal from Microphone Inputs<http://www.heilsound.com/amateur/tips/rfi_removal_mics.php>".
And while there you might take a look at some of the other tips.

I did this on all my mike's and it got rid of my RFI problems.
But you say you are using an adapter between the mike cord and the rig, so you may need to run a separate wire from the mike connector case to the rig ground.

73 Rolf NR0T

[Non-text portions of this message have been removed]

9086. Re: Orion 1 Broadcast interference

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-24 17:59:16 UTC
From: franklincloud79
Topic: 9064 Message: 9086

Rolf I solved the problem this morning after getting some feedback from another ham K4TLJ. I read the manual on microphone wiring again.
I then checked the Heil adapter I was using for my proset. It seems that the ring provdes PTT ground on the Orion mic connector. The minus of the mic element is attached to the chassis ground. These two should not be interconnected. The Heil adapter did exactly that using a common ground which introduced RF into the mic circuit and it was transmitted on the air. I rewired the 4 pin Heil plug by cutting the push to talk wire. I then extended it back to the two small screws that clamp the cord and attached the wire to both. When I connected it to the Orion, there was no interference whatever. I made a contact today and had him listen, I also listened to my self on the mon thru the headset. Great audio nothing bad on it. This problem is solved and I appreciate all the input I received. Now I can enjoy my radio.

--- In orion565@yahoogroups.com, Rolf Krogstad wrote:
>
> My apologies in advance if this has already been mentioned or does not
> apply.
> I had issues with RFI on the audio and found that the Heil Audio Tip solved
> the problem.
> Direct link is http://www.heilsound.com/amateur/tips/rfi_removal_mics.php
> Or go to the Heil Website and click on their menu item TIPS which is near
> the top, right of center.
> Then select the item "RFI Removal from Microphone
> Inputs ".
> And while there you might take a look at some of the other tips.
>
> I did this on all my mike's and it got rid of my RFI problems.
> But you say you are using an adapter between the mike cord and the rig, so
> you may need to run a separate wire from the mike connector case to the rig
> ground.
>
> 73 Rolf NR0T
>
>
> [Non-text portions of this message have been removed]
>

9087. Shortwave Listening on O2

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-25 04:42:37 UTC
From: k7fd
Topic: 9087 Message: 9087

Slightly off-topic but may be of interest to those who shortwave listen on their Orion II's. I've found this online database of SW stations and frequencies to be excellent:

http://www.short-wave.info/index.php

I have no connection to the site, just found it to be a real aid in identifying what I am listening to on the SW bands...

73 John K7FD

9088. Re: Orion 1 Broadcast interference

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-25 11:37:46 UTC
From: pa1ap
Topic: 9064 Message: 9088

Excellent finding and thanks for sharing. Looks like one to keep in mind: Ptt ground is not the same as mic ground on 565. Great to hear its working now even with an AM broadcast station as neighbor :-)

My initial thoughts were around rf leaking into you station somehow. Hence my questions around disconnecting everything to decouple from unintentional "antenna's"... Touching stuff would change the rfi since your body would introduce yet another unintentional antenna link.

Best regards, Onno pa1ap

--- In orion565@yahoogroups.com, "franklincloud79" wrote:
>
> Rolf I solved the problem this morning after getting some feedback from another ham K4TLJ. I read the manual on microphone wiring again.
> I then checked the Heil adapter I was using for my proset. It seems that the ring provdes PTT ground on the Orion mic connector. The minus of the mic element is attached to the chassis ground. These two should not be interconnected. The Heil adapter did exactly that using a common ground which introduced RF into the mic circuit and it was transmitted on the air. I rewired the 4 pin Heil plug by cutting the push to talk wire. I then extended it back to the two small screws that clamp the cord and attached the wire to both. When I connected it to the Orion, there was no interference whatever. I made a contact
> today and had him listen, I also listened to my self on the mon thru the headset. Great audio nothing bad on it. This problem is solved and I appreciate all the input I received. Now I can enjoy my radio.
>
> --- In orion565@yahoogroups.com, Rolf Krogstad wrote:
> >
> > My apologies in advance if this has already been mentioned or does not
> > apply.
> > I had issues with RFI on the audio and found that the Heil Audio Tip solved
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> > Direct link is http://www.heilsound.com/amateur/tips/rfi_removal_mics.php
> > Or go to the Heil Website and click on their menu item TIPS which is near
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> >
> > I did this on all my mike's and it got rid of my RFI problems.
> > But you say you are using an adapter between the mike cord and the rig, so
> > you may need to run a separate wire from the mike connector case to the rig
> > ground.
> >
> > 73 Rolf NR0T
> >

> >
> > [Non-text portions of this message have been removed]
> >
>

9089. Orion 2 airflow.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-27 22:40:49 UTC
From: n9aop2000
Topic: 9089 Message: 9089

Today on the net,J.Henry mentioned adding a 120mm computer case fan on the speaker opening if you don't use the internal speaker in order to keep things cooler. Is it preferable to blow outside air in or blow the inside air out?
Art, N9AOP

9090. Re: [orion565] Orion 2 airflow.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-27 22:43:02 UTC
From: Jerry Rogers
Topic: 9089 Message: 9090

Art: John said to have the fan blow OUT.

Jerry, ki4ps

On Jan 27, 2013, at 5:40 PM, "n9aop2000" <avidmar@...> wrote:

> Today on the net,J.Henry mentioned adding a 120mm computer case fan on the speaker opening if you don't use the internal speaker in order to keep things cooler. Is it preferable to blow outside air in or blow the inside air out?
> Art, N9AOP
>
>

[Non-text portions of this message have been removed]

9091. Orion 1 and 2 case fan cooling modification.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-27 22:52:11 UTC
From: kc2qma
Topic: 9091 Message: 9091

Hello Art, It was me who mentioned the fan modification on the net today. You will need a 12v 120mm PC case fan. You want the air to blow out of the Orion case. This is a simple mod that does not harm the rig in any way but it will lower the case temp dramatically and extend the life of the Orion.
If you don't use the internal speaker just remove it and put the 120mm fan in its place. You can solder the fan wires to the12v power connector on the inside or you can run the fan wires through the case attach an RCA connector and connect to the 12v port on the back if you like.
Enjoy
73/KC2QMA
John

9092. Re: [orion565] Orion 1 and 2 case fan cooling modification.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 00:21:18 UTC
From: Mike, K9UW
Topic: 9091 Message: 9092

John, is the fan inside the Orion's case or on the outside?

73, de Mike, K9UW
Amherst, WI

On 1/27/2013 4:52 PM, kc2qma wrote:
>
> Hello Art, It was me who mentioned the fan modification on the net
> today. You will need a 12v 120mm PC case fan. You want the air to blow
> out of the Orion case. This is a simple mod that does not harm the rig
> in any way but it will lower the case temp dramatically and extend the
> life of the Orion.
> If you don't use the internal speaker just remove it and put the 120mm
> fan in its place. You can solder the fan wires to the12v power
> connector on the inside or you can run the fan wires through the case
> attach an RCA connector and connect to the 12v port on the back if you
> like.
> Enjoy
> 73/KC2QMA
> John
>
>

[Non-text portions of this message have been removed]

9094. Re: Orion 1 and 2 case fan cooling modification.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 05:52:00 UTC
From: pa1ap
Topic: 9091 Message: 9094

Did someone make a heatmap of the orion to see which elements cause most heat? On the 565 i found the logic board to generate most of the heat and this is located within the front panel compartment which has no "air outlet" towards the area where the speaker is located. Instead it depends on small sleeves to the top..... and unless i am mistaken the bottom compartment has no "air outlet" to the top compartment.

Which heating problem is addressed with the additional fan?

Best regards, Onno

--- In orion565@yahoogroups.com, "kc2qma" wrote:
>
> Just a little more detail to mount the fan internally:
>
> Fan Type: 120MM 12vdc 0.75A or less (1800 rpm or less)
>
> You only need a 2 wire fan (red & Black wires) if the fan has 3 wires (Usually a white wire) you will NOT use the whit wire. It is just it is a speed sensing wire for use in a computer application. Just cut the extra wire off the fan. These fans usually come with some kind of connector on the wires just cut the connector off the fan wires.
> To mount the fan you need to remove the top cover. Disconnect the wires from the speaker then remove the bracket that holds the internal speaker.
>
> Now and remove the speaker from the bracket. Save the speaker in a safe place so you can replace it in the future if you decide to.
>
> Now let's mount the fan to the speaker bracket. Make sure you note the direction of the air flow. The fan will have arrows printed on it to show the direction of the air flow. You want the air to exhaust or blow out of the case so mount the fan so the air blows up and out of the case.
>
> In some cases the screw holes for the fan will not line up with the original holes in the speaker bracket. Now don't panic you can either drill 4 new holes in the bracket or you can use 3M super strength double sided tape that can be found at your local auto parts store.
>
> Now place the bracket with the fan back in place and put the screw that holds the bracket back in place.
>
> Now you have two choices for connection the power to the fan. You can simply solder the Red wire to the +12 and negative points on the circuit board at the rear of the Orion. It is the solder side of the accessory connector on the back of the Orion.
> Or you can run the wires through the vent slits in the back of the Orion and add a Male RCA connector to the wires and plug into the back of the Orion's 12v port.
>
> Place the cover back on the Orion and enjoy a much COOLER Orion!
>

> You can also mount the fan on top of the Orion but you still have to remove the internal speaker. Your choice.
>
> 73/John
> KC2QMA
>
>
>
>
> --- In orion565@yahoogroups.com, "Mike, K9UW" wrote:
> >
> > John, is the fan inside the Orion's case or on the outside?
> >
> > 73, de Mike, K9UW
> > Amherst, WI
> >
> >
> > On 1/27/2013 4:52 PM, kc2qma wrote:
> > >
> > > Hello Art, It was me who mentioned the fan modification on the net
> > > today. You will need a 12v 120mm PC case fan. You want the air to blow
> > > out of the Orion case. This is a simple mod that does not harm the rig
> > > in any way but it will lower the case temp dramatically and extend the
> > > life of the Orion.
> > > If you don't use the internal speaker just remove it and put the 120mm
> > > fan in its place. You can solder the fan wires to the12v power
> > > connector on the inside or you can run the fan wires through the case
> > > attach an RCA connector and connect to the 12v port on the back if you
> > > like.
> > > Enjoy
> > > 73/KC2QMA
> > > John
> > >
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> >
> > [Non-text portions of this message have been removed]
> >
>

9095. Re: [orion565] Re: Orion 1 and 2 case fan cooling modification.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 09:38:28 UTC
From: Barry N1EU
Topic: 9091 Message: 9095

On Mon, Jan 28, 2013 at 5:52 AM, pa1ap <pa1ap@...> wrote:

> **
>
>
> Did someone make a heatmap of the orion to see which elements cause most
> heat? On the 565 i found the logic board to generate most of the heat and
> this is located within the front panel compartment which has no "air
> outlet" towards the area where the speaker is located. Instead it depends
> on small sleeves to the top..... and unless i am mistaken the bottom
> compartment has no "air outlet" to the top compartment.
>
> Which heating problem is addressed with the additional fan?
>
>
Onno, would the LCD front panel display benefit by additional air flow?
I'm most concerned about that component. Does this mod do much to improve
the cooling of the LCD?

Thanks & 73,
Barry N1EU

[Non-text portions of this message have been removed]

9096. Re: Orion 1 and 2 case fan cooling modification.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 10:07:18 UTC
From: pa1ap
Topic: 9091 Message: 9096

I do not know if the fan would be effective to improve airflow inside the front panel compartment but based on my previous findings its unlikely. On 565 the front compartment is pretty much closed except for the small sleeves at bottom/top of frame. I made pictures at the time I worked on this but finding them is the challenge...

I do not doubt the fan will improve the overal cooling. To me the question is around which area's really need additional cooling and if they are benefiting from top compartment cooling. The concern I have is the unexpected/unplanned dust collection by sucking Air into the orion.

Best regards,
Onno
--- In orion565@yahoogroups.com, Barry N1EU wrote:
>
> On Mon, Jan 28, 2013 at 5:52 AM, pa1ap wrote:
>
> > **
> >
> >
> > Did someone make a heatmap of the orion to see which elements cause most
> > heat? On the 565 i found the logic board to generate most of the heat and
> > this is located within the front panel compartment which has no "air
> > outlet" towards the area where the speaker is located. Instead it depends
> > on small sleeves to the top..... and unless i am mistaken the bottom
> > compartment has no "air outlet" to the top compartment.
> >
> > Which heating problem is addressed with the additional fan?
> >
> >
> Onno, would the LCD front panel display benefit by additional air flow?
> I'm most concerned about that component. Does this mod do much to improve
> the cooling of the LCD?
>
> Thanks & 73,
> Barry N1EU
>
>
> [Non-text portions of this message have been removed]
>

9098. Re: Orion 1 and 2 case fan cooling modification.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 15:38:53 UTC
From: pa1ap
Topic: 9091 Message: 9098

Hi John,

It was not my intention to criticize the fan modification and my appologies if it came across like that. In my view this forum is about dialogue and challenging (in postive way) how improvements can be achieved. If my reply came across as negative my applogies.

For what its worth;

I actually spend a lot of time investigating the heat build up in the orion 565 many moons ago. In my findings the root cause of heat build up is the cabinet design which does not allow free air movement. Of course forced air circulation will help but does it address the root cause issues? I know from experience the 565 lcd heat build up is higher than a top cabinet fan can address unless you let it spin at huricane speed. In the end I changed the front cabinet air flow and the fan was not needed anymore.

Thats all I can share on this.

Best regards, Onno

--- In orion565@yahoogroups.com, "kc2qma" wrote:
>
> How about giving the fan a try before criticizing it? Right now the Orion is cooled by convection and because heat rises any heat generated from the bottom passes by all the components to the top and this allows for a substantial amount of heat to build up in the case.
>
> Forced air by the use of a cooling fan extracts the excessive heat building up in the case lowering the overall operating temps.
>
> I guaranty you it will lower the overall temps throughout the Orion! And yes it does lower the temp of the front panel just try it and you will see for yourself I did and it works.
>
> Now as far as the question of dust, yes just like any device that uses a cooling fan like your computer in your shack their will be some additional dust. And that's why I blow out any dust buildup in my PC, Linear amp, Orion, Power supply and other devices every 6 to 12 months with compressed air. I hope you do?
>
> All I can say is it just works. Give it a try and see for yourself. If you don't like it put everything back, No harm done!
>
> 73/John
> KC2QMA
>
>
>

>
>
> --- In orion565@yahoogroups.com, "pa1ap" wrote:
> >
> > I do not know if the fan would be effective to improve airflow inside the front panel compartment but based on my previous findings its unlikely. On 565 the front compartment is pretty much closed except for the small sleeves at bottom/top of frame. I made pictures at the time I worked on this but finding them is the challenge...
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> > I do not doubt the fan will improve the overal cooling. To me the question is around which area's really need additional cooling and if they are benefiting from top compartment cooling. The concern I have is the unexpected/unplanned dust collection by sucking Air into the orion.
> >
> >
> > Best regards,
> > Onno
> > --- In orion565@yahoogroups.com, Barry N1EU wrote:
> > >
> > > On Mon, Jan 28, 2013 at 5:52 AM, pa1ap wrote:
> > >
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> > > >
> > > > Did someone make a heatmap of the orion to see which elements cause most
> > > > heat? On the 565 i found the logic board to generate most of the heat and
> > > > this is located within the front panel compartment which has no "air
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> > > > on small sleeves to the top..... and unless i am mistaken the bottom
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> > > > I'm most concerned about that component. Does this mod do much to improve
> > > > the cooling of the LCD?
> > >
> > > Thanks & 73,
> > > Barry N1EU
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
>

9099. RE: [orion565] Re: Orion 1 and 2 case fan cooling modification.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 15:50:45 UTC
From: Duane Calvin
Topic: 9091 Message: 9099

Hi Onno,
Can you provide more detail on the mods you made for improved airflow? Perhaps you have already?

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Monday, January 28, 2013 9:39 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion 1 and 2 case fan cooling modification.

Hi John,

It was not my intention to criticize the fan modification and my appologies if it came across like that. In my view this forum is about dialogue and challenging (in postive way) how improvements can be achieved. If my reply came across as negative my applogies.

For what its worth;

I actually spend a lot of time investigating the heat build up in the orion 565 many moons ago. In my findings the root cause of heat build up is the cabinet design which does not allow free air movement. Of course forced air circulation will help but does it address the root cause issues? I know from experience the 565 lcd heat build up is higher than a top cabinet fan can address unless you let it spin at huricane speed. In the end I changed the front cabinet air flow and the fan was not needed anymore.

Thats all I can share on this.

Best regards, Onno

--- In orion565@yahoogroups.com, "kc2qma" wrote:
>
> How about giving the fan a try before criticizing it? Right now the Orion is cooled by convection and because heat rises any heat generated from the bottom passes by all the components to the top and this allows for a substantial amount of heat to build up in the case.
>
> Forced air by the use of a cooling fan extracts the excessive heat building up in the case lowering the overall operating temps.

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> I guaranty you it will lower the overall temps throughout the Orion! And yes it does lower the temp of the front panel just try it and you will see for yourself I did and it works.
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> Now as far as the question of dust, yes just like any device that uses a cooling fan like your computer in your shack their will be some additional dust. And that's why I blow out any dust buildup in my PC, Linear amp, Orion, Power supply and other devices every 6 to 12 months with compressed air. I hope you do?
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> > >
> > > [Non-text portions of this message have been removed]
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> >
>

Yahoo! Groups Links

9100. Re: [orion565] Re: Orion 1 and 2 case fan cooling modification.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 15:52:46 UTC
From: Peter Rogers
Topic: 9091 Message: 9100

Hi, Would it not be wise to install an interal temperature guage like those you can buy which stick onto your windscreen in your car to tell you the outside temperature. I think a couple of these installed into the rig and monitored before pulling the Orion II apart.
73 Peter
ve3etr

****
Peter Rogers ve3etr ve3zzv
Irritating Practically Everyone since 1944
****
This email was sent in an invisible format (BCC) to preserve your privacy. Please remove my co-ordinates prior to forwarding this email. Thanks

--- On Mon, 1/28/13, pa1ap <pa1ap@...> wrote:

From: pa1ap <pa1ap@...>
Subject: [orion565] Re: Orion 1 and 2 case fan cooling modification.
To: orion565@yahoogroups.com
Received: Monday, January 28, 2013, 3:38 PM

Hi John,

It was not my intention to criticize the fan modification and my appologies if it came across like that. In my view this forum is about dialogue and challenging (in postive way) how improvements can be achieved. If my reply came across as negative my applogies.

For what its worth;

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Thats all I can share on this.

Best regards, Onno

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> Now as far as the question of dust, yes just like any device that uses a cooling fan like your computer in your shack their will be some additional dust. And that's why I blow out any dust buildup in my PC, Linear amp, Orion, Power supply and other devices every 6 to 12 months with compressed air. I hope you do?
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> > --- In orion565@yahoogroups.com, Barry N1EU wrote:
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> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
>

[Non-text portions of this message have been removed]

9101. Re: Orion 1 and 2 case fan cooling modification.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 16:29:06 UTC
From: pa1ap
Topic: 9091 Message: 9101

Very good idea to arrive at heat mapping indeed. Please keep in mind the 565 and 566 use different components and hence outcome can be different. regards, Onno

--- In orion565@yahoogroups.com, Peter Rogers wrote:
>
> Hi, Would it not be wise to install an interal temperature guage like those you can buy which stick onto your windscreenÂ in your car to tell you the outside temperature. I think a couple of these installed into the rig and monitored before pulling the OrionÂ IIÂ apart.
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> 73 Peter
> ve3etr
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> Peter Rogers ve3etr ve3zzv
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> This email was sent in an invisible format (BCC) to preserve your privacy. Please remove my co-ordinates prior to forwarding this email. Thanks
>
> --- On Mon, 1/28/13, pa1ap wrote:
>
>
> From: pa1ap
> Subject: [orion565] Re: Orion 1 and 2 case fan cooling modification.
> To: orion565@yahoogroups.com
> Received: Monday, January 28, 2013, 3:38 PM
>
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> Hi John,
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> It was not my intention to criticize the fan modification and my appologies if it came across like that. In my view this forum is about dialogue and challenging (in postive way) how improvements can be achieved. If my reply came across as negative my applogies.
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> For what its worth;
>
> I actually spend a lot of time investigating the heat build up in the orion 565 many moons ago. In my findings the root cause of heat build up is the cabinet design which does not allow free air movement. Of course forced air circulation will help but does it address the root cause issues? I know from experience the 565 lcd heat build up is higher than a

top cabinet fan can address unless you let it spin at huricane speed. In the end I changed the front cabinet air flow and the fan was not needed anymore.
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> Thats all I can share on this.
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> Best regards, Onno
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> --- In orion565@yahoogroups.com, "kc2qma" wrote:
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> > > --- In orion565@yahoogroups.com, Barry N1EU wrote:
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9102. Re: Orion 1 and 2 case fan cooling modification.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 16:31:23 UTC
From: pa1ap
Topic: 9091 Message: 9102

I will have to check my archive. Its somewhere on backup disk. Regards, Onno

--- In orion565@yahoogroups.com, "Duane Calvin" wrote:
>
> Hi Onno,
> Can you provide more detail on the mods you made for improved
> airflow? Perhaps you have already?
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
>
>
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of pa1ap
> Sent: Monday, January 28, 2013 9:39 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Orion 1 and 2 case fan cooling modification.
>
> Hi John,
>
> It was not my intention to criticize the fan modification and my appologies
> if it came across like that. In my view this forum is about dialogue and
> challenging (in postive way) how improvements can be achieved. If my reply
> came across as negative my applogies.
>
> For what its worth;
>
> I actually spend a lot of time investigating the heat build up in the orion
> 565 many moons ago. In my findings the root cause of heat build up is the
> cabinet design which does not allow free air movement. Of course forced air
> circulation will help but does it address the root cause issues? I know from
> experience the 565 lcd heat build up is higher than a top cabinet fan can
> address unless you let it spin at huricane speed. In the end I changed the
> front cabinet air flow and the fan was not needed anymore.
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>
> Thats all I can share on this.
>
> Best regards, Onno

>
> --- In orion565@yahoogroups.com, "kc2qma" wrote:
> >
> > How about giving the fan a try before criticizing it? Right now the Orion
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> substantial amount of heat to build up in the case.
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> > Forced air by the use of a cooling fan extracts the excessive heat
> building up in the case lowering the overall operating temps.
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> > --- In orion565@yahoogroups.com, "pa1ap" wrote:
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> > > --- In orion565@yahoogroups.com, Barry N1EU wrote:
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> > > > On Mon, Jan 28, 2013 at 5:52 AM, pa1ap wrote:

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> > > > > Did someone make a heatmap of the orion to see which elements cause
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> Yahoo! Groups Links
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9103. Re: [orion565] Re: Orion 1 and 2 case fan cooling modification.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 16:31:38 UTC
From: Peter Rogers
Topic: 9091 Message: 9103

That is why I said a couple (two) lol
73
Peter
ve3etr

****
Peter Rogers
Irritating Practically Everyone since 1944
****
This email was sent in an invisible format (BCC) to preserve your privacy. Please remove my co-ordinates prior to forwarding this email. Thanks

--- On Mon, 1/28/13, pa1ap <pa1ap@...> wrote:

From: pa1ap <pa1ap@...>
Subject: [orion565] Re: Orion 1 and 2 case fan cooling modification.
To: orion565@yahoogroups.com
Received: Monday, January 28, 2013, 4:29 PM

Very good idea to arrive at heat mapping indeed. Please keep in mind the 565 and 566 use different components and hence outcome can be different. regards, Onno

--- In orion565@yahoogroups.com, Peter Rogers wrote:
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> Hi, Would it not be wise to install an interal temperature guage like those you can buy which stick onto your windscreenÂ in your car to tell you the outside temperature. I think a couple of these installed into the rig and monitored before pulling the OrionÂ IIÂ apart. Â
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> From: pa1ap
> Subject: [orion565] Re: Orion 1 and 2 case fan cooling modification.
> To: orion565@yahoogroups.com
> Received: Monday, January 28, 2013, 3:38 PM
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[Non-text portions of this message have been removed]

9105. RE: [orion565] Re: Orion 1 and 2 case fan cooling modification.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 18:02:00 UTC
From: wolfmanjack@...
Topic: 9091 Message: 9105

FYI My Orion II is just slightly warm when running my fingers along the top case above the LCD display, even when the rig is on for hours on end. If it was blazin' hot I might consider this mod...

73 John K7FD

On Mon, Jan 28, 2013 at 9:56 AM, kc2qma wrote:

Onno, No offence taken. I am just offering a simple solution to a problem. Yes Onno the Orion case design could have been a little better in reference to its cooling design. However this simple fan mod is easy for almost all Orion owners to perform and I does not require any (Hard) change to the Orion like cutting into the case or modifying any of the electronics. I think most users would be a bit apprehensive about doing that to their valuable Orion. Also these fans can be bought for under $5 USD online so it is also a very inexpensive mod.

I have done this mod to my Orion 2 and I assure you it Works great! Is it perfect, No nothing ever is, but it is harmless to the Orion and is easily reversible.

So again if you feel your Orion runs a bit too HOT for you then give the fan mod a try. Or don't it is up to you.

NOW HERE IS THE INSTUCTIONS FOR THE "ORION FAN MOD" for Orion owners that want to give it a try:

Fan Type: 120MM Ball Bering type (Not sleeve)12VDC @ 0.75A or less (1800 rpm or less) you want low speed.

You only need a 2 wire fan (red & Black wires) if the fan has 3 wires (Usually a white wire) you will NOT use the white wire. It is just it is a speed sensing wire for use in a computer application. Just cut the extra wire off the fan. These fans usually come with some kind of connector on the wires just cut the connector off the fan.

To mount the fan you need to remove the top cover. Disconnect the wires from the internal speaker and remove the bracket that holds the internal speaker.

Now and remove the speaker from the bracket. Save the speaker in a safe place so you can replace it in the future if you decide to.

Now let's mount the fan to the speaker bracket. Make sure you note the direction of the air flow. The fan will have arrows printed on it to show the direction of the air flow. You want the air to exhaust or blow out of the case so mount the fan so the air blows up and out of the case.

In some cases the screw holes for the fan will not line up with the original holes in the speaker bracket. Now don't panic you can either drill 4 new holes in the bracket or you can use 3M super strength double sided tape that can be found at your local auto parts store.

Now place the bracket with the fan back in the Orion and put the screw that holds the bracket back in place.

Now, you have two choices for connection the power to the fan. You can simply solder the Red wire to the +12 and Black wire to negative points on the circuit board at the
rear of the Orion. It is the solder side of the 12V accessory connector at the back of the Orion.
Or you can run the wires through the vent slits in the back of the Orion and add a Male RCA connector to the fan wires and plug into the back of the Orion's 12v port.

Place the cover back on the Orion and enjoy a much COOLER Rig!

You can also mount the fan outsite on top of the Orion over the speaker hole but you still have to remove the internal speaker. It's up to you.

73/John
KC2QMA

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

9106. Re: Orion 1 and 2 case fan cooling modification.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 18:06:00 UTC
From: kc2qma
Topic: 9091 Message: 9106

Onno, No offence taken. I am just offering a simple solution to a problem. Yes Onno the Orion case design could have been a little better in reference to its cooling design However this simple fan mod is easy for almost all Orion owners to perform and I does not require any (Hard) change to the Orion like cutting into the case or modifying any of the electronics. I think most users would be a bit apprehensive about doing that to their valuable Orion. Also these fans can be bought for under $5 USD online so it is also a very inexpensive mod.

I have done this mod to my Orion 2 and I assure you it Works great! Is it perfect, No nothing ever is, but it is harmless to the Orion and is easily reversible.

So again if you feel your Orion runs a bit too HOT for you then give the fan mod a try. Or don't it is up to you.

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To mount the fan you need to remove the top cover. Disconnect the wires from the internal speaker and remove the bracket that holds the internal speaker.

Now and remove the speaker from the bracket. Save the speaker in a safe place so you can replace it in the future if you decide to.

Now let's mount the fan to the speaker bracket. Make sure you note the direction of the air flow. The fan will have arrows printed on it to show the direction of the air flow. You want the air to exhaust or blow out of the case so mount the fan so the air blows up and out of the case.

In some cases the screw holes for the fan will not line up with the original holes in the speaker bracket. Now don't panic you can either drill 4 new holes in the bracket or you can use 3M super strength double sided tape that can be found at your local auto parts store.

Now place the bracket with the fan back in the Orion and put the screw that holds the bracket back in place.

Now, you have two choices for connecting power to the fan. You can simply solder the Red wire to the +12 and Black wire to negative points on the circuit board at the rear of the Orion. It is the solder side of the 12V accessory connector at the back of the Orion. Or you can run the wires through the vent slits in the back of the Orion and add a Male RCA connector to the fan wires and plug into the back of the Orion's 12v

port.

Place the cover back on the Orion and enjoy a much COOLER Rig!

You can also mount the fan outside on top of the Orion over the speaker hole but you still have to remove the internal speaker. It's up to you.

73/John
KC2QMA

9107. Re: [orion565] Re: Orion 1 and 2 case fan cooling modification.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 18:12:13 UTC
From: catfishtwo@...
Topic: 9091 Message: 9107

Also remember that putting a regular old house fan so it blows the warm air from around the radio will also help the rig run cooler by moving the warm air around the radio out of the way. tom N6AJR

In a message dated 1/28/2013 5:09:00 A.M. Pacific Standard Time, john-m-junk@... writes:

How about giving the fan a try before criticizing it? Right now the Orion is cooled by convection and because heat rises any heat generated from the bottom passes by all the components to the top and this allows for a substantial amount of heat to build up in the case.

Forced air by the use of a cooling fan extracts the excessive heat building up in the case lowering the overall operating temps.

I guaranty you it will lower the overall temps throughout the Orion! And yes it does lower the temp of the front panel just try it and you will see for yourself I did and it works.

Now as far as the question of dust, yes just like any device that uses a cooling fan like your computer in your shack their will be some additional dust. And that's why I blow out any dust buildup in my PC, Linear amp, Orion, Power supply and other devices every 6 to 12 months with compressed air. I hope you do?

All I can say is it just works. Give it a try and see for yourself. If you don't like it put everything back, No harm done!

73/John
KC2QMA

--- In orion565@yahoogroups.com, "pa1ap" wrote:
>
> I do not know if the fan would be effective to improve airflow inside the front panel compartment but based on my previous findings its unlikely. On 565 the front compartment is pretty much closed except for the small sleeves at bottom/top of frame. I made pictures at the time I worked on this but finding them is the challenge...
>
> I do not doubt the fan will improve the overal cooling. To me the question is around which area's really need additional cooling and if they are benefiting from top compartment cooling. The concern I have is the unexpected/unplanned dust collection by sucking Air into the orion.
>
>
> Best regards,
> Onno

> --- In orion565@yahoogroups.com, Barry N1EU wrote:
> >
> > On Mon, Jan 28, 2013 at 5:52 AM, pa1ap wrote:
> >
> > > **
> > >
> > >
> > > Did someone make a heatmap of the orion to see which elements cause
most
> > > heat? On the 565 i found the logic board to generate most of the
heat and
> > > this is located within the front panel compartment which has no "air
> > > outlet" towards the area where the speaker is located. Instead it
depends
> > > on small sleeves to the top..... and unless i am mistaken the bottom
> > > compartment has no "air outlet" to the top compartment.
> > >
> > > Which heating problem is addressed with the additional fan?
> > >
> > >
> > Onno, would the LCD front panel display benefit by additional air flow?
> > I'm most concerned about that component. Does this mod do much to
improve
> > the cooling of the LCD?
> >
> > Thanks & 73,
> > Barry N1EU
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

Yahoo! Groups Links

[Non-text portions of this message have been removed]

9108. Re: Orion 1 and 2 case fan cooling modification.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 18:18:56 UTC
From: kc2qma
Topic: 9091 Message: 9108

Hi tom, I looked at your pictures on QRZ. WOW you have a nice antenna setup and nice shack.

John/KC2QMA

--- In orion565@yahoogroups.com, catfishtwo@... wrote:
>
> Also remember that putting a regular old house fan so it blows the warm
> air from around the radio will also help the rig run cooler by moving the
> warm air around the radio out of the way. tom N6AJR
>
>
>
> In a message dated 1/28/2013 5:09:00 A.M. Pacific Standard Time,
> john-m-junk@... writes:
>
> How about giving the fan a try before criticizing it? Right now the Orion
> is cooled by convection and because heat rises any heat generated from the
> bottom passes by all the components to the top and this allows for a
> substantial amount of heat to build up in the case.
>
> Forced air by the use of a cooling fan extracts the excessive heat
> building up in the case lowering the overall operating temps.
>
> I guaranty you it will lower the overall temps throughout the Orion! And
> yes it does lower the temp of the front panel just try it and you will see
> for yourself I did and it works.
>
> Now as far as the question of dust, yes just like any device that uses a
> cooling fan like your computer in your shack their will be some additional
> dust. And that's why I blow out any dust buildup in my PC, Linear amp,
> Orion, Power supply and other devices every 6 to 12 months with compressed air.
> I hope you do?
>
> All I can say is it just works. Give it a try and see for yourself. If you
> don't like it put everything back, No harm done!
>
> 73/John
> KC2QMA
>

9109. Re: [orion565] Re: Orion 1 and 2 case fan cooling modification.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 18:24:24 UTC
From: catfishtwo@...
Topic: 9091 Message: 9109

Thanks, its a work in progress, like all of us. :) tom

In a message dated 1/28/2013 10:19:28 A.M. Pacific Standard Time,
john-m-junk@... writes:

Hi tom, I looked at your pictures on QRZ. WOW you have a nice antenna
setup and nice shack.

John/KC2QMA

--- In orion565@yahoogroups.com, catfishtwo@... wrote:
>
> Also remember that putting a regular old house fan so it blows the
warm
> air from around the radio will also help the rig run cooler by moving
the
> warm air around the radio out of the way. tom N6AJR
>
>
>
> In a message dated 1/28/2013 5:09:00 A.M. Pacific Standard Time,
> john-m-junk@... writes:
>
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Orion
> is cooled by convection and because heat rises any heat generated from
the
> bottom passes by all the components to the top and this allows for a
> substantial amount of heat to build up in the case.
>
> Forced air by the use of a cooling fan extracts the excessive heat
> building up in the case lowering the overall operating temps.
>
> I guaranty you it will lower the overall temps throughout the Orion!
And
> yes it does lower the temp of the front panel just try it and you will
see
> for yourself I did and it works.
>
> Now as far as the question of dust, yes just like any device that uses
a
> cooling fan like your computer in your shack their will be some
additional
> dust. And that's why I blow out any dust buildup in my PC, Linear amp,
> Orion, Power supply and other devices every 6 to 12 months with
compressed air.

> I hope you do?
>
> All I can say is it just works. Give it a try and see for yourself. If
you
> don't like it put everything back, No harm done!
>
> 73/John
> KC2QMA
>

Yahoo! Groups Links

[Non-text portions of this message have been removed]

9110. Re: Orion2 cooling

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 19:51:24 UTC
From: n9aop2000
Topic: 9110 Message: 9110

Thanks guys. It would be easy enough to take the speaker out and lay the fan on top of the opening with a shroud around it and then let the radio run for 6 hours or so and feel the front. I remember using the O2 at field day and the front did feel noticably warm after a few hours. I was going to call TT and ask them about this but never got around to it.
Art, N9AOP

9111. RE: [orion565] Re: Orion2 cooling

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 20:12:59 UTC
From: Andrew B. Steen
Topic: 9110 Message: 9111

Wow! My O II has been on since 0530 (it is now 1212), and the radio is just slightly warm above the display.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of n9aop2000
Sent: Monday, January 28, 2013 11:51 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion2 cooling

Thanks guys. It would be easy enough to take the speaker out and lay the fan on top of the opening with a shroud around it and then let the radio run for 6 hours or so and feel the front. I remember using the O2 at field day and the front did feel noticably warm after a few hours. I was going to call TT and ask them about this but never got around to it.
Art, N9AOP

[Non-text portions of this message have been removed]

9112. RE: [orion565] Re: Orion2 cooling

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 20:43:13 UTC
From: Jack Dold, W9OWO
Topic: 9110 Message: 9112

It makes a difference if you are transmitting. Just listening doesn't make much heat. Try it for a contesting period and I think you'll notice a difference.

Jack, W9OWO

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Andrew B. Steen
Sent: Monday, January 28, 2013 3:13 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: Orion2 cooling

Wow! My O II has been on since 0530 (it is now 1212), and the radio is just slightly warm above the display.

Andrew

K6STN

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
Of n9aop2000
Sent: Monday, January 28, 2013 11:51 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] Re: Orion2 cooling

Thanks guys. It would be easy enough to take the speaker out and lay the fan on top of the opening with a shroud around it and then let the radio run for 6 hours or so and feel the front. I remember using the O2 at field day and the front did feel noticably warm after a few hours. I was going to call TT and ask them about this but never got around to it.
Art, N9AOP

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9113. Re: [orion565] Re: Orion2 cooling

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 22:29:47 UTC
From: Barry N1EU
Topic: 9110 Message: 9113

On Mon, Jan 28, 2013 at 8:43 PM, Jack Dold, W9OWO <jack@...> wrote:

> **
>
>
> It makes a difference if you are transmitting. Just listening doesn't make
> much heat. Try it for a contesting period and I think you'll notice a
> difference.
>
That was the deal with the Omni 6. During contesting, you could audibly hear the passband gradually shift more and more from the heat of transmitting. You could either just keep making corrections to PBT, or you could add a fan. A lot of guys did the fan for speaker swap back then - it's an old mod.

73,
Barry N1EU

[Non-text portions of this message have been removed]

9114. Re: Orion 1 and 2 case fan cooling modification.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 23:27:51 UTC
From: k1fpv
Topic: 9091 Message: 9114

That is something I think I might try! Mount the fan inside for appearance.

Bill/K1FPV

--- In orion565@yahoogroups.com, "kc2qma" wrote:
>
> Hello Art, It was me who mentioned the fan modification on the net today. You will need a 12v 120mm PC case fan. You want the air to blow out of the Orion case. This is a simple mod that does not harm the rig in any way but it will lower the case temp dramatically and extend the life of the Orion.
> If you don't use the internal speaker just remove it and put the 120mm fan in its place. You can solder the fan wires to the12v power connector on the inside or you can run the fan wires through the case attach an RCA connector and connect to the 12v port on the back if you like.
> Enjoy
> 73/KC2QMA
> John
>

9115. Re: Orion 1 and 2 case fan cooling modification.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 23:41:03 UTC
From: kc2qma
Topic: 9091 Message: 9115

Yes Bill I had my fan on the outside of the rig for a while and it worked so good I decided to mount inside for a clean look.

This simple fan mod is easy for almost all Orion owners
to perform and I does not require any (Hard) change to the Orion like cutting into the case or modifying any of the electronics. I think most users would be a bit apprehensive about doing that to their valuable Orion. Also these fans can be bought for under $5 USD online so it is also a very inexpensive mod.

I have done this mod to my Orion 2 and I assure you it Works great! It is harmless to the Orion and is easily reversible.

So again if you feel your Orion runs a bit too HOT for you then give the fan mod a try. Or don't it is up to you.

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You only need a 2 wire fan (red & Black wires) if the fan has 3 wires (Usually a white wire) you will NOT use the white wire. It is just it is a speed sensing wire for use in a computer application. Just cut the extra wire off the fan.

These fans usually come with some kind of connector on them just cut the connector off the fan.

To mount the fan you need to remove the top cover. Disconnect the wires from the internal speaker and remove the bracket that holds the internal speaker.

Now and remove the speaker from the bracket. Save the speaker in a safe place so you can replace it in the future if you decide to.

Now let's mount the fan to the speaker bracket. Make sure you note the
direction of the air flow. The fan will have arrows printed on it to show the direction of the air flow. You want the air to exhaust or blow out of the case so mount the fan so the air blows up and out of the case.

In some cases the screw holes for the fan will not line up with the original holes in the speaker bracket. Now don't panic you can either drill 4 new holes in the bracket or you can use 3M super strength double sided tape that can be found at your local auto parts store.

Now place the bracket with the fan back in the Orion and put the screw that holds the bracket back in place.

Now, you have two choices for connecting power to the fan. You can simply solder the Red wire to the +12 and Black wire to negative points on the circuit board at the rear of the

Orion. It is the solder side of the 12V accessory connector at the back of the Orion. Or you can run the wires through the vent slits in the
back of the Orion and add a Male RCA connector to the fan wires and plug into the back of the Orion's 12v port.

Place the cover back on the Orion and enjoy a much COOLER Rig!

You can also mount the fan outside on top of the Orion over the speaker hole but you still have to remove the internal speaker. It's up to you.

73/John
KC2QMA

--- In orion565@yahoogroups.com, "k1fpv" wrote:
>
> That is something I think I might try! Mount the fan inside for appearance.
>
> Bill/K1FPV
>
>
>
> --- In orion565@yahoogroups.com, "kc2qma" wrote:
> >
> > Hello Art, It was me who mentioned the fan modification on the net today. You will need a 12v 120mm PC case fan. You want the air to blow out of the Orion case. This is a simple mod that does not harm the rig in any way but it will lower the case temp dramatically and extend the life of the Orion.
> > If you don't use the internal speaker just remove it and put the 120mm fan in its place. You can solder the fan wires to the12v power connector on the inside or you can run the fan wires through the case attach an RCA connector and connect to the 12v port on the back if you like.
> > Enjoy
> > 73/KC2QMA
> > John
> >
>

9116. RE: [orion565] Re: Orion2 cooling

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-28 23:47:28 UTC
From: Andrew B. Steen
Topic: 9110 Message: 9116

I could see where contesting would heat it up, but not my cup of tea. Just regular ragchewing doesn't seem to heat it up much.

Andrew

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Jack Dold, W9OWO
Sent: Monday, January 28, 2013 12:43 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: Orion2 cooling

It makes a difference if you are transmitting. Just listening doesn't make much heat. Try it for a contesting period and I think you'll notice a difference.

Jack, W9OWO

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
Of Andrew B. Steen
Sent: Monday, January 28, 2013 3:13 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] Re: Orion2 cooling

Wow! My O II has been on since 0530 (it is now 1212), and the radio is just slightly warm above the display.

Andrew

K6STN

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
Of n9aop2000
Sent: Monday, January 28, 2013 11:51 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] Re: Orion2 cooling

Thanks guys. It would be easy enough to take the speaker out and lay the fan on top of the opening with a shroud around it and then let the radio run for 6 hours or so and feel the front. I remember using the O2 at field day and the front did feel noticably warm after a few hours. I was going to call TT and ask them about this but never got around to it.
Art, N9AOP

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9117. Re: Orion2 cooling

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-29 07:11:34 UTC
From: storygene
Topic: 9110 Message: 9117

I do not see the need for a fan on the Orion. It was engineered to not require one. No harm in adding one within reasonable environment limit expected in a radio room. Just like my 43+ year old DRAKE TR-4 was also engineered to work as designed and still doing just fine without any aids. I prefer the total lack of fan noise in my radio room as long as I don't run up the PC or Linear. I mitigated most of the noise from the PC by where I located it. The Centaur linear is another story. It's a bit loud but I forgive it because it works so darn well.

Will my 565 Orion live as long as my TR-4 has without fan? We shall see.

Gene / K7TXO

9118. RE: [orion565] Re: Orion2 cooling

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-29 12:39:54 UTC
From: wolfmanjack@...
Topic: 9110 Message: 9118

Will I outlive my Orion II without a fan, that's the real question ;)

73 John K7FD

On Mon, Jan 28, 2013 at 11:11 PM, storygene wrote:

I do not see the need for a fan on the Orion. It was engineered to
not require one. No harm in adding one within reasonable environment
limit expected in a radio room. Just like my 43+ year old DRAKE TR-4
was also engineered to work as designed and still doing just fine
without any aids. I prefer the total lack of fan noise in my radio room
as long as I don't run up the PC or Linear. I mitigated most of the
noise from the PC by where I located it. The Centaur linear is another
story. It's a bit loud but I forgive it because it works so darn well.

Will my 565 Orion live as long as my TR-4 has without fan? We shall
see.

Gene / K7TXO

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

9119. Re: Orion2 cooling

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-29 13:49:51 UTC
From: John
Topic: 9110 Message: 9119

I have received several emails on the fan mod. Do we condone it? Do we advise against it?

We at TEN-TEC have not tested this yet, so we can't make a specific yes or no comment yet. But I will try to provide a bit more information, and then you as a consumer can decide if you want to make the change or not.

There is a metal plate mounted to the bottom of the speaker. It is there because in certain instances the vibration and the magnetic of the speaker affected two coils below it that could affect sensitivity.

Granted, going from the size/type of magnet that is in the speaker, to what is in a fan, the amount of loop effect should be less. But, it is continually changing since it is mechanical and moving. Haven't tested it yet, so can't comment if it would have a negative effect or not.

Regarding heat.
Of course, as we all know, the MAIN contributor to heat in the Orion(s) is the Finals/PA, and of course during transmit. The absolute best way to help reduce this effect is to get the 310 fan kit.

The location of the proposed internal fan. In theory, yes, it should keep the internal main four compartments cooler, as there are cable and connector access holes in the chassis and a gap between the top of the chassis and the top/bottom cover that will permit air to flow through and around them. Placing a fan would pull air from the top four sections and parts of the bottom four, and parts of the front panel area.

After the finals/PA, the main contributor to heat is the front panel LCD and CPUs and Codecs. For the front panel, heat is dissipated through the vent holes above and below the front panel that runs the entire width of the front panel. Mounting a fan in the location of the speaker, theoretically will pull some heat from the top of the vent holes above the front panel, and cool air from below the front panel. Improvement in cooling?
Theoretically, but would have to test to see how many degrees it improves.

In TX, the best bet is the external 310 fan kit on the PA, because that is what gets the hottest.
For RX, this mod may help, but then it may be just as good to use strategically placed mini CPU fans mounted somewhere in the LCD panel area, but, I don't advise it because of how much room is there with the circuit boards that close to the chassis, let alone I'm not sure what you could mount it to to stay fixed.

TEN-TEC's inputs on this change?
If you think it will help your situation, using this modification is up to you. If you have issues with receiver sensitivity or sound, then remove it. Totally each Orion owners decision to make.

Thanks, and 73,
John Henry, KI4JPL

TEN-TEC Engineering

--- In orion565@yahoogroups.com, wolfmanjack@... wrote:
>
>
> Will I outlive my Orion II without a fan, that's the real question ;)
>
> 73 John K7FD
>
> On Mon, Jan 28, 2013 at 11:11 PM, storygene wrote:
>
> I do not see the need for a fan on the Orion. It was engineered to
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> limit expected in a radio room. Just like my 43+ year old DRAKE TR-4
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> without any aids. I prefer the total lack of fan noise in my radio room
> as long as I don't run up the PC or Linear. I mitigated most of the
> noise from the PC by where I located it. The Centaur linear is another
> story. It's a bit loud but I forgive it because it works so darn well.
>
> Will my 565 Orion live as long as my TR-4 has without fan? We shall
> see.
>
> Gene / K7TXO
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>
> [Non-text portions of this message have been removed]
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9120. Re: [orion565] Re: Orion2 cooling

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-29 16:48:20 UTC
From: Marty Young
Topic: 9110 Message: 9120

I just ordered the 310 fan retrofit kit for my 566.

Thanks, John, I believe your reasoning is sound. I don't notice a lot of heat from my O2, but I listen a lot. I did notice some above tepid warmness after SS in November, so transmitting is the main heat thing in my situation.

During long periods of listening, haven't noticed any appreciable heat on or above the front panel, but will pay closer attention now and see.

Thanks

73 Marty / W4MY

On Jan 29, 2013, at 8:49, "John" <jhenry@...> wrote:

> I have received several emails on the fan mod. Do we condone it? Do we advise against it?
>
> We at TEN-TEC have not tested this yet, so we can't make a specific yes or no comment yet. But I will try to provide a bit more information, and then you as a consumer can decide if you want to make the change or not.
>
> There is a metal plate mounted to the bottom of the speaker. It is there because in certain instances the vibration and the magnetic of the speaker affected two coils below it that could affect sensitivity.
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> Granted, going from the size/type of magnet that is in the speaker, to what is in a fan, the amount of loop effect should be less. But, it is continually changing since it is mechanical and moving. Haven't tested it yet, so can't comment if it would have a negative effect or not.
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> Regarding heat.
> Of course, as we all know, the MAIN contributor to heat in the Orion(s) is the Finals/PA, and of course during transmit. The absolute best way to help reduce this effect is to get the 310 fan kit.
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> The location of the proposed internal fan. In theory, yes, it should keep the internal main four compartments cooler, as there are cable and connector access holes in the chassis and a gap between the top of the chassis and the top/bottom cover that will permit air to flow through and around them. Placing a fan would pull air from the top four sections and parts of the bottom four, and parts of the front panel area.
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> After the finals/PA, the main contributor to heat is the front panel LCD and CPUs and Codecs. For the front panel, heat is dissipated through the vent holes above and below the front panel that runs the entire width of the front panel. Mounting a fan in the location of the speaker, theoretically will pull some heat from the top of the vent holes above the

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> In TX, the best bet is the external 310 fan kit on the PA, because that is what gets the hottest.
> For RX, this mod may help, but then it may be just as good to use strategically placed mini CPU fans mounted somewhere in the LCD panel area, but, I don't advise it because of how much room is there with the circuit boards that close to the chassis, let alone I'm not sure what you could mount it to to stay fixed.
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> TEN-TEC's inputs on this change?
> If you think it will help your situation, using this modification is up to you. If you have issues with receiver sensitivity or sound, then remove it. Totally each Orion owners decision to make.
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> > [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

9121. RE: [orion565] Re: Orion2 cooling

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-29 18:07:32 UTC
From: Andrew B. Steen
Topic: 9110 Message: 9121

John.

I agree with you.

I have always had the 310 fan kit for my O II, and the front of my radio barely gets warm, even when transmitting.

Thanks for setting it straight.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Marty Young
Sent: Tuesday, January 29, 2013 8:48 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Orion2 cooling

I just ordered the 310 fan retrofit kit for my 566.

Thanks, John, I believe your reasoning is sound. I don't notice a lot of heat from my O2, but I listen a lot. I did notice some above tepid warmness after SS in November, so transmitting is the main heat thing in my situation.

During long periods of listening, haven't noticed any appreciable heat on or above the front panel, but will pay closer attention now and see.

Thanks

73 Marty / W4MY

On Jan 29, 2013, at 8:49, "John" jhenry@... <mailto:jhenry%40tentec.com> > wrote:

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> > [Non-text portions of this message have been removed]
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9122. Re: Orion2 cooling

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-30 21:03:57 UTC
From: k1fpv
Topic: 9110 Message: 9122

Thanks for the input John. Having had to open and repair my Orion II a couple of times over the years, I think I may give the change a try even though I already have the 310 Fan Kit installed on my Orion II and have had no heat issues. Any changes I observe in the performance (good or bad) of the Orion II, I will forward to you folks for evaluation.

I will be opening up my Orion II in the next couple days because of a different apparent temperature related problem. In my case, not because of the radio heating up, but it taking about 10 minutes to be on before I get audio. It is crazy in that after 10 minutes, soon as I touch the frequency dial, all works fine. I've got plenty of component cooler. ;=)

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "John" wrote:
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Theoretically, but would have to test to see how many degrees it improves.
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> --- In orion565@yahoogroups.com, wolfmanjack@ wrote:
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> > [Non-text portions of this message have been removed]
> >
>

9123. Ham Radio Deluxe

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-30 22:14:21 UTC
From: Terry
Topic: 3485 Message: 9123

I see on the HRD website where you purchase the latest software they have addressed some issues with the Ten Tec Orion. Does anyone run this 6.0 beta software and can you confirm they have fixed the s-meter issue with the Orion under the new version of firmware 3. It states they fixed Radio response and initialisation of the Orion Radio.. How does 6.0 beta run with the Orion 2? Any body running 6.0 beta? $79.95 shipped. ! AC5DF.

9124. Re: Orion2 cooling

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-30 22:33:35 UTC
From: kc2qma
Topic: 9110 Message: 9124

The 310 Fan is for cooling the Heat sink for the final amplifier and the internal fan mod is for cooling the Orion internal case and components.
The optional model 310 fan kit is offered by ten tec for users who operate contest stations, digital modes or continuous carrier like AM mode where it would be necessary to dissipates the extra heat generated by the finals.

--- In orion565@yahoogroups.com, "k1fpv" wrote:
>
> Thanks for the input John. Having had to open and repair my Orion II a couple of times over the years, I think I may give the change a try even though I already have the 310 Fan Kit installed on my Orion II and have had no heat issues. Any changes I observe in the performance (good or bad) of the Orion II, I will forward to you folks for evaluation.
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>
> 73,
> Bill/K1FPV
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> --- In orion565@yahoogroups.com, "John" wrote:
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> > I have received several emails on the fan mod. Do we condone it? Do we advise against it?
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> > Granted, going from the size/type of magnet that is in the speaker, to what is in a fan, the amount of loop effect should be less. But, it is continually changing since it is mechanical and moving. Haven't tested it yet, so can't comment if it would have a negative effect or not.
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> > Regarding heat.
> > Of course, as we all know, the MAIN contributor to heat in the Orion(s) is the Finals/PA, and of course during transmit. The absolute best way to help reduce this effect is to get the 310 fan kit.

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> > The location of the proposed internal fan. In theory, yes, it should keep the internal main four compartments cooler, as there are cable and connector access holes in the chassis and a gap between the top of the chassis and the top/bottom cover that will permit air to flow through and around them. Placing a fan would pull air from the top four sections and parts of the bottom four, and parts of the front panel area.
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9125. Re: Orion2 cooling

Yahoo group: orion565 (2009 — 2013)
Date: 2013-01-31 01:28:32 UTC
From: k1fpv
Topic: 9110 Message: 9125

I'm well aware of what the 310 fan is for. I already have one on my Orion II. I'm considering the one in the speaker position to keep things nice and cool internally.

K1FPV

--- In orion565@yahoogroups.com, "kc2qma" wrote:
>
> The 310 Fan is for cooling the Heat sink for the final amplifier and the internal fan mod is for cooling the Orion internal case and components.
> The optional model 310 fan kit is offered by ten tec for users who operate contest stations, digital modes or continuous carrier like AM mode where it would be necessary to dissipates the extra heat generated by the finals.
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> > 73,
> > Bill/K1FPV
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> > > > [Non-text portions of this message have been removed]
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9126. Son Of A Gun (Thats Not A Pistol) !

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-05 20:27:18 UTC
From: k1fpv
Topic: 9126 Message: 9126

Well, I finally got to open up my Orion II so that I could try to trace down the weird problem I was having where when the rig was just turned on and cool, the audio level was way down or non-existent. Then after about 5 to 10 minutes, if I hit the VFO dial or volume control, the receiver worked normally.

Well, as things worked out, I looked at the output voltage on the power distribution board with my scope and saw a fair amount of noise on the DC line. Sure enough with my ESR meter, I checked C6 & C7 and "ouila!" They weren't doing what they are supposed to do! Little filtering at all. About 4 or 5 years ago I had a different problem and had those caps go south on me then. I replaced them (along with C9) with 470µf @ 35 volt LOW ESR caps. All has been well since till recently. Well, fortunately, I bought 6 caps last time.....so I had 3 replacements.

I know Ten-Tec acknowledged this was a problem before. I'm wondering if the quality of low ESR caps I bought(from DigiKey) might be a problem. Guess I'll look for some spare caps just in case it happens again.

Oh.....by the way, I didn't have a fan the right size to replace my built in speaker. I'm going to have to look around for one as in my post above regarding adding extra cooling inside the Orion II.

73,
Bill/K1FPV

9127. Re: Son Of A Gun (Thats Not A Pistol) !

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-05 22:06:34 UTC
From: kc2qma
Topic: 9126 Message: 9127

Glad you found the problem Bill. I wonder if the cap failures are due to the high internal case temps?
John

--- In orion565@yahoogroups.com, "k1fpv" wrote:
>
> Well, I finally got to open up my Orion II so that I could try to trace down the weird problem I was having where when the rig was just turned on and cool, the audio level was way down or non-existent. Then after about 5 to 10 minutes, if I hit the VFO dial or volume control, the receiver worked normally.
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> Well, as things worked out, I looked at the output voltage on the power distribution board with my scope and saw a fair amount of noise on the DC line. Sure enough with my ESR meter, I checked C6 & C7 and "ouila!" They weren't doing what they are supposed to do! Little filtering at all. About 4 or 5 years ago I had a different problem and had those caps go south on me then. I replaced them (along with C9) with 470µf @ 35 volt LOW ESR caps. All has been well since till recently. Well, fortunately, I bought 6 caps last time.....so I had 3 replacements.
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> I know Ten-Tec acknowledged this was a problem before. I'm wondering if the quality of low ESR caps I bought(from DigiKey) might be a problem. Guess I'll look for some spare caps just in case it happens again.
>
> Oh.....by the way, I didn't have a fan the right size to replace my built in speaker. I'm going to have to look around for one as in my post above regarding adding extra cooling inside the Orion II.
>
> 73,
> Bill/K1FPV
>

9128. Re: Son Of A Gun (Thats Not A Pistol) !

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-05 22:23:06 UTC
From: k1fpv
Topic: 9126 Message: 9128

Hi John,

I don't think so as I've never noticed any big heat problem. I'm not sure of the manufacturer of these low ESR caps I used. I bought them from DigiKey and they don't have a manufacturer listed. I was just looking at buying some possibly better caps. I've always had good luck with Panasonic electrolytics and they always got a workout in the broadcasting equipment I worked on. I'm going to try some Panasonic caps. The originals if I remember correctly were 470µf @ 16 VDC. I might try some 1000µf @ 16 VDC as I can readily get those from Jameco. I don't think the higher value of cap will be a problem. Right now I'm using 470µf @ 35 VDC with these caps being supposedly low ESR.

I wonder if Ten-Tec has had any such issues that I just encountered regarding the cap manufacturer of ESR caps?

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "kc2qma" wrote:
>
> Glad you found the problem Bill. I wonder if the cap failures are due to the high internal case temps?
> John
>
>
> --- In orion565@yahoogroups.com, "k1fpv" wrote:
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> > Oh.....by the way, I didn't have a fan the right size to replace my built in speaker. I'm going to have to look around for one as in my post above regarding adding extra cooling inside the Orion II.

> >
> > 73,
> > Bill/K1FPV
> >
>

9129. Re: Son Of A Gun (Thats Not A Pistol) !

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-05 22:29:25 UTC
From: kc2qma
Topic: 9126 Message: 9129

Hey Bill, Panasonic & Nichicon make Hi Temp Versions of their caps for industrial use digikey and mouser sell them. I try to use them in mobile and other harsh environments. I think others on the group have used them as well.
John

--- In orion565@yahoogroups.com, "k1fpv" wrote:
>
> Hi John,
>
> I don't think so as I've never noticed any big heat problem. I'm not sure of the manufacturer of these low ESR caps I used. I bought them from DigiKey and they don't have a manufacturer listed. I was just looking at buying some possibly better caps. I've always had good luck with Panasonic electrolytics and they always got a workout in the broadcasting equipment I worked on. I'm going to try some Panasonic caps. The originals if I remember correctly were 470µf @ 16 VDC. I might try some 1000µf @ 16 VDC as I can readily get those from Jameco. I don't think the higher value of cap will be a problem. Right now I'm using 470µf @ 35 VDC with these caps being supposedly low ESR.
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> 73,
> Bill/K1FPV
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> --- In orion565@yahoogroups.com, "kc2qma" wrote:
> >
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> > John
> >
> >
> > --- In orion565@yahoogroups.com, "k1fpv" wrote:
> > >
> > > Well, I finally got to open up my Orion II so that I could try to trace down the weird problem I was having where when the rig was just turned on and cool, the audio level was way down or non-existent. Then after about 5 to 10 minutes, if I hit the VFO dial or volume control, the receiver worked normally.
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> > > Oh.....by the way, I didn't have a fan the right size to replace my built in speaker. I'm going to have to look around for one as in my post above regarding adding extra cooling inside the Orion II.
> > >
> > > 73,
> > > Bill/K1FPV
> > >
> >
>

9130. Re: Son Of A Gun (Thats Not A Pistol) !

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-05 22:37:12 UTC
From: k1fpv
Topic: 9126 Message: 9130

Yes John, these are supposedly the higher temp versions. They are 105°C capacitors...not the cheaper 85°C caps.

Bill/K1FPV

--- In orion565@yahoogroups.com, "kc2qma" wrote:
>
> Hey Bill, Panasonic & Nichicon make Hi Temp Versions of their caps for industrial use digikey and mouser sell them. I try to use them in mobile and other harsh environments. I think others on the group have used them as well.
> John
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> --- In orion565@yahoogroups.com, "k1fpv" wrote:
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> > Hi John,
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> > I don't think so as I've never noticed any big heat problem. I'm not sure of the manufacturer of these low ESR caps I used. I bought them from DigiKey and they don't have a manufacturer listed. I was just looking at buying some possibly better caps. I've always had good luck with Panasonic electrolytics and they always got a workout in the broadcasting equipment I worked on. I'm going to try some Panasonic caps. The originals if I remember correctly were 470µf @ 16 VDC. I might try some 1000µf @ 16 VDC as I can readily get those from Jameco. I don't think the higher value of cap will be a problem. Right now I'm using 470µf @ 35 VDC with these caps being supposedly low ESR.
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> > 73,
> > Bill/K1FPV
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> >
> > --- In orion565@yahoogroups.com, "kc2qma" wrote:
> > >
> > > Glad you found the problem Bill. I wonder if the cap failures are due to the high internal case temps?
> > > John
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> > >
> > > --- In orion565@yahoogroups.com, "k1fpv" wrote:
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> > > >
> > > > Well, as things worked out, I looked at the output voltage on the power distribution board with my scope and saw a fair amount of noise on the DC line. Sure enough with my ESR meter, I checked C6 & C7 and "ouila!" They weren't doing what they are supposed to do! Little filtering at all. About 4 or 5 years ago I had a different problem and had those caps go south on me then. I replaced them (along with C9) with 470µf @ 35 volt LOW ESR caps. All has been well since till recently. Well, fortunately, I bought 6 caps last time.....so I had 3 replacements.
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> > > > I know Ten-Tec acknowledged this was a problem before. I'm wondering if the quality of low ESR caps I bought(from DigiKey) might be a problem. Guess I'll look for some spare caps just in case it happens again.
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> > > > Oh.....by the way, I didn't have a fan the right size to replace my built in speaker. I'm going to have to look around for one as in my post above regarding adding extra cooling inside the Orion II.
> > > >
> > > > 73,
> > > > Bill/K1FPV
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9131. Re: Son Of A Gun (Thats Not A Pistol) !

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-05 22:41:05 UTC
From: kc2qma
Topic: 9126 Message: 9131

Yes those should work great!
Good luck
John

--- In orion565@...m, "k1fpv" wrote:
>
> Yes John, these are supposedly the higher temp versions. They are 105°C capacitors...not the cheaper 85°C caps.
>
> Bill/K1FPV
>
>
>
> --- In orion565@yahoogroups.com, "kc2qma" wrote:
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> > Hey Bill, Panasonic & Nichicon make Hi Temp Versions of their caps for industrial use digikey and mouser sell them. I try to use them in mobile and other harsh environments. I think others on the group have used them as well.
> > John
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> > --- In orion565@yahoogroups.com, "k1fpv" wrote:
> > >
> > > Hi John,
> > >
> > > I don't think so as I've never noticed any big heat problem. I'm not sure of the manufacturer of these low ESR caps I used. I bought them from DigiKey and they don't have a manufacturer listed. I was just looking at buying some possibly better caps. I've always had good luck with Panasonic electrolytics and they always got a workout in the broadcasting equipment I worked on. I'm going to try some Panasonic caps. The originals if I remember correctly were 470µf @ 16 VDC. I might try some 1000µf @ 16 VDC as I can readily get those from Jameco. I don't think the higher value of cap will be a problem. Right now I'm using 470µf @ 35 VDC with these caps being supposedly low ESR.
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> > > 73,
> > > Bill/K1FPV
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> > > --- In orion565@yahoogroups.com, "kc2qma" wrote:
> > > >
> > > > Glad you found the problem Bill. I wonder if the cap failures are due to the high internal case temps?
> > > > John

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> > > > --- In orion565@yahoogroups.com, "k1fpv" wrote:
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> > > > > Oh.....by the way, I didn't have a fan the right size to replace my built in speaker. I'm going to have to look around for one as in my post above regarding adding extra cooling inside the Orion II.
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> > > > > 73,
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9132. Re: Son Of A Gun (Thats Not A Pistol) !

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-05 22:56:03 UTC
From: k1fpv
Topic: 9126 Message: 9132

Yes, I know! Maybe those caps that lasted only about 3 or 4 years were just a fluke!

Bill/K1FPV

--- In orion565@yahoogroups.com, "kc2qma" wrote:
>
> Yes those should work great!
> Good luck
> John
>
> --- In orion565@yahoogroups.com, "k1fpv" wrote:
> >
> > Yes John, these are supposedly the higher temp versions. They are 105°C capacitors...not the cheaper 85°C caps.
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> > Bill/K1FPV
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> > > > --- In orion565@yahoogroups.com, "kc2qma" wrote:
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> > > > > Glad you found the problem Bill. I wonder if the cap failures are due to the high internal case temps?
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> > > > > > > I know Ten-Tec acknowledged this was a problem before. I'm wondering if the quality of low ESR caps I bought(from DigiKey) might be a problem. Guess I'll look for some spare caps just in case it happens again.
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> > > > > > > Oh.....by the way, I didn't have a fan the right size to replace my built in speaker. I'm going to have to look around for one as in my post above regarding adding extra cooling inside the Orion II.
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9133. Power on problem with my O1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-11 18:22:29 UTC
From: pierre_rothenburger
Topic: 9133 Message: 9133

Hi all,
I recently bought an O1 which worked fine until it started to get reluctant to be powered ON .
Now, when 'cold', I need to kick-start it (at the on/off button upper left on front panel) up to 10 times before it holds power.
After warm -up, no problem with off/on 's though.

Any clue as to where to look into before I start to investigate any further would be appreciated.

Thank you.
73
Pierre, F3WT

9134. Re: [orion565] Power on problem with my O1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-11 18:30:47 UTC
From: catfishtwo@...
Topic: 9133 Message: 9134

Hopefully just a bad switch. By the way. I usually plug my radios, power supplies etc. into a zip strip. I use the zip strip to turn on and off the power supplies, monitor and such.

I figure its cheaper and easier to replace a six dollar multi outlet power strip than it is to fix the radio or power supply power switch. I learned this trick with the old FT 101 series radios. those were a real pain to change their wimpy power switches. good luck.

Tom N6AJR

In a message dated 2/11/2013 10:22:32 A.M. Pacific Standard Time, f3wt@... writes:

Hi all,
I recently bought an O1 which worked fine until it started to get reluctant to be powered ON .
Now, when 'cold', I need to kick-start it (at the on/off button upper left on front panel) up to 10 times before it holds power.
After warm -up, no problem with off/on 's though.

Any clue as to where to look into before I start to investigate any further would be appreciated.

Thank you.
73
Pierre, F3WT

Yahoo! Groups Links

[Non-text portions of this message have been removed]

9135. Re: Power on problem with my O1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-11 18:32:41 UTC
From: k1fpv
Topic: 9133 Message: 9135

Pierre,

If you turn it on, and it doesn't stay on, have you left it with the on-off switch on even though the radio is dead about 10 minutes, and then re-cycle the on-off switch? Does it come on then?

Also, have you opened the transceiver and observed the voltages coming from the power distribution board. Is there voltage? Also, if there is voltage, have you looked at it with a scope? In my case, it took 10 minutes for the radio to work properly, but the problem wound up being noise on the power line. I replaced 3 capacitors, C6, C7 & C9 with low ESR capacitors.

Good luck!

Bill/K1FPV

--- In orion565@yahoogroups.com, "pierre_rothenburger" wrote:
>
> Hi all,
> I recently bought an O1 which worked fine until it started to get reluctant to be powered ON .
> Now, when 'cold', I need to kick-start it (at the on/off button upper left on front panel) up to 10 times before it holds power.
> After warm -up, no problem with off/on 's though.
>
> Any clue as to where to look into before I start to investigate any further would be appreciated.
>
> Thank you.
> 73
> Pierre, F3WT
>

9136. Re: [orion565] Power on problem with my O1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-11 18:32:52 UTC
From: Peter Frenning [OZ1PIF]
Topic: 9133 Message: 9136

Den 11-02-2013 19:22, pierre_rothenburger skrev:
> Hi all,
> I recently bought an O1 which worked fine until it started to get reluctant to be powered ON .
> Now, when 'cold', I need to kick-start it (at the on/off button upper left on front panel) up to 10 times before it holds power.
> After warm -up, no problem with off/on 's though.
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> Any clue as to where to look into before I start to investigate any further would be appreciated.
>
> Thank you.
> 73
> Pierre, F3WT
>
>
>
> ----
The power board (A9) is the most likely culprit, the 470uF electrolytics
are not up to the task and degrade over time, they need to be replaced
with high temp/Low ESR types.

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Women and cats will do as they **
** please, and men and dogs should **
** relax and get used to the idea. **
** -- Robert A. Heinlein **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239/ +45 2332 9464
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

9137. Re: Power on problem with my O1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-11 19:01:30 UTC
From: pierre_rothenburger
Topic: 9133 Message: 9137

Hi again,

Thanks a lot to your prompt replies, Tom (N6AJR), Bill (K1FPV) and Peter (OZ1PIF).

From what I noted so far, it doesn't seem to be the switch itself indeed, but rather those weakening capacitors.
Will do that additional recycling test as advised.
Thanks again so far.
73
Pierre F3WT

--- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" wrote:
>
> Den 11-02-2013 19:22, pierre_rothenburger skrev:
> > Hi all,
> > I recently bought an O1 which worked fine until it started to get reluctant to be powered ON .
> > Now, when 'cold', I need to kick-start it (at the on/off button upper left on front panel) up to 10 times before it holds power.
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> Vy 73 de OZ1PIF/5Q2M, Peter
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> ** Women and cats will do as they **
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> ** -- Robert A. Heinlein **
> **
> email: peter(no-spam filler)@...
> http://www.frenning.dk/oz1pif.htm

> Ph. +45 4619 3239/ +45 2332 9464
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **
>

9138. Re: Power on problem with my O1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-11 20:18:31 UTC
From: k1fpv
Topic: 9133 Message: 9138

Hi Pierre,

As was previously mentioned, that power distribution board (A9) is most likely your problem as I mentioned. C6 & C7 were the ones that I observed using my scope to be the problems. However, C9 is the same type. So I replaced all 3 capacitors with 105 degree C capacitors having a low ESR. I've owned my Orion II for a number of years, and this is the second time I've had to do this.

Good luck and I hope all goes well for you.

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "pierre_rothenburger" wrote:
>
> Hi again,
>
> Thanks a lot to your prompt replies, Tom (N6AJR), Bill (K1FPV) and Peter (OZ1PIF).
>
> From what I noted so far, it doesn't seem to be the switch itself indeed, but rather those weakening capacitors.
> Will do that additional recycling test as advised.
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> 73
> Pierre F3WT
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> --- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" wrote:
> >
> > Den 11-02-2013 19:22, pierre_rothenburger skrev:
> > > Hi all,
> > > I recently bought an O1 which worked fine until it started to get reluctant to be powered ON .
> > > Now, when 'cold', I need to kick-start it (at the on/off button upper left on front panel) up to 10 times before it holds power.
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> > > Thank you.
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> > The power board (A9) is the most likely culprit, the 470uF electrolytics
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> > --
> > Vy 73 de OZ1PIF/5Q2M, Peter
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> > email: peter(no-spam filler)@frenning.dk
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> > Snailmail:
> > Peter Frenning
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> > DK-4130 Viby Sj.
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> > **
> >
>

9139. RE: [orion565] Re: Power on problem with my O1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-11 20:58:32 UTC
From: John Hudson
Topic: 9133 Message: 9139

On my O1 I have already replaced the caps on A9 and the power on/off was not the issue.it is now though. Mine is not the power on but OFF.. a lot of time I cannot power off with the switch. I can leave it in the OFF position and the rig keeps on playing for several minutes then it power downs.. thinking it might be the switch I replaced it and still had the issue. I called TT and was told it was a relay on a power distribution board. For the longest time until last week everthing seem to be ok until I had a quick power outage and after that I'm back to the same old problem..rig stays on for minutes after turning the switch off..

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pierre_rothenburger
Sent: Monday, February 11, 2013 1:02 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Power on problem with my O1

Hi again,

Thanks a lot to your prompt replies, Tom (N6AJR), Bill (K1FPV) and Peter (OZ1PIF).

From what I noted so far, it doesn't seem to be the switch itself indeed, but rather those weakening capacitors.
Will do that additional recycling test as advised.
Thanks again so far.
73
Pierre F3WT

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "Peter Frenning [OZ1PIF]" wrote:
>
> Den 11-02-2013 19:22, pierre_rothenburger skrev:
> > Hi all,
> > I recently bought an O1 which worked fine until it started to get reluctant to be powered ON .
> > Now, when 'cold', I need to kick-start it (at the on/off button upper left on front panel) up to 10 times before it holds power.
> > After warm -up, no problem with off/on 's though.
> >
> > Any clue as to where to look into before I start to investigate any further would be appreciated.
> >
> > Thank you.

> > 73
> > Pierre, F3WT
> >
> >
> >
> > ----
> The power board (A9) is the most likely culprit, the 470uF electrolytics
> are not up to the task and degrade over time, they need to be replaced
> with high temp/Low ESR types.
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> **
> ** Women and cats will do as they **
> ** please, and men and dogs should **
> ** relax and get used to the idea. **
> ** -- Robert A. Heinlein **
> **
> email: peter(no-spam filler)@...
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239/ +45 2332 9464
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **
>

[Non-text portions of this message have been removed]

9140. Rude sales at Ten Tec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-12 14:56:57 UTC
From: w3etc
Topic: 9140 Message: 9140

I wrote a polite email to sales at Ten Tec asking if they had any plans to come out with a higher powered solid sate amp to go along with my Orion II. The response was and I quote.

No

Stuart Banks
Ten-Tec Sales

While that certainly is an answer I expected a little more of an answer. I wrote Elecraft and Wayne himself wrote me back. I wrote Array solutions about the Acom 800 and Bob wrote back a nice lengthly email. Maybe it is just me however if I was in sales and a customer that has spent a fair amount of money in the past asks about plans or purchasing a $3000 plus amplifier I think I might offer a little more insight than "No".

I don't know Stuart Banks and he may be a wonderful guy but I am not feeling the love from Ten Tec.

9141. Re: [orion565] Rude sales at Ten Tec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-12 15:17:01 UTC
From: Barry N1EU
Topic: 9140 Message: 9141

IMHO, I'd call the answer "concise" rather than "rude".

73,
Barry N1EU

On Tue, Feb 12, 2013 at 2:56 PM, w3etc <w3etc@...> wrote:

> **
>
>
> I wrote a polite email to sales at Ten Tec asking if they had any plans to
> come out with a higher powered solid sate amp to go along with my Orion II.
> The response was and I quote.
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> No
>
> Stuart Banks
> Ten-Tec Sales
>
> While that certainly is an answer I expected a little more of an answer. I
> wrote Elecraft and Wayne himself wrote me back. I wrote Array solutions
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> just me however if I was in sales and a customer that has spent a fair
> amount of money in the past asks about plans or purchasing a $3000 plus
> amplifier I think I might offer a little more insight than "No".
>
> I don't know Stuart Banks and he may be a wonderful guy but I am not
> feeling the love from Ten Tec.
>
>
>

[Non-text portions of this message have been removed]

9142. RE: [orion565] Rude sales at Ten Tec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-12 15:16:49 UTC
From: John Morris
Topic: 9140 Message: 9142

Perhaps Stuart has not yet taken his Customer Service 101 course. I attended the Orlando HamCation over this past weekend and Ten-Tec was not there. Word on the floor was that they had pulled out at the last minute. A lot of speculation was swirling that there may be trouble in Sevierville.

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of w3etc
Sent: Tuesday, February 12, 2013 9:57 AM
To: orion565@yahoogroups.com
Subject: [orion565] Rude sales at Ten Tec

I wrote a polite email to sales at Ten Tec asking if they had any plans to come out with a higher powered solid sate amp to go along with my Orion II. The response was and I quote.

No

Stuart Banks
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I don't know Stuart Banks and he may be a wonderful guy but I am not feeling the love from Ten Tec.

Yahoo! Groups Links

9143. Re: [orion565] Rude sales at Ten Tec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-12 15:42:05 UTC
From: tnnyswy@...
Topic: 9140 Message: 9143

"Concise" as in, Go away Boy! You're bothering me!

(((73))) Milverton.

>_____
> From: Barry N1EU <barry.n1eu@gmail.com>
>To: orion565@yahoogroups.com
>Sent: Tuesday, February 12, 2013 9:17 AM
>Subject: Re: [orion565] Rude sales at Ten Tec
>
>
>
>IMHO, I'd call the answer "concise" rather than "rude".
>
>73,
>Barry N1EU
>
>On Tue, Feb 12, 2013 at 2:56 PM, w3etc w3etc@...> wrote:
>
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>>
>>
>> I wrote a polite email to sales at Ten Tec asking if they had any plans to
>> come out with a higher powered solid sate amp to go along with my Orion II.
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>> No
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>> Stuart Banks
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>>
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>[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

9144. Re: Rude sales at Ten Tec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-12 16:24:25 UTC
From: k1fpv
Topic: 9140 Message: 9144

I have to echo your statement Barry. I'm sure one thing that Ten-Tec must consider is, "Will the effort and expense (Yes it is a big expense)be worth it in the end."

I know, I was the head Radio & Audio Accessories design engineer for an electronics company and we usually attended I.W.C.E. in Las Vegas every year. Let me tell you, by the time you pay for floor space, shipment of equipment to the convention site, air fair for 3 to 4 people to attend, and finally hotel expenses for those days, you have to ask yourself, "will it pay me back in increased sales?"

I suspect, Ten-Tec did the same thing I used to do and figured that there won't be enough potential customers for this convention to make it pay.

Just my 2¢ worth on the subject!

Bill/K1FPV

--- In orion565@yahoogroups.com, Barry N1EU wrote:
>
> IMHO, I'd call the answer "concise" rather than "rude".
>
> 73,
> Barry N1EU
>
> On Tue, Feb 12, 2013 at 2:56 PM, w3etc wrote:
>
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> > >
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> > > Stuart Banks
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> > > While that certainly is an answer I expected a little more of an answer. I
> > > wrote Elecraft and Wayne himself wrote me back. I wrote Array solutions
> > > about the Acom 800 and Bob wrote back a nice lengthly email. Maybe it is
> > > just me however if I was in sales and a customer that has spent a fair
> > > amount of money in the past asks about plans or purchasing a $3000 plus
> > > amplifier I think I might offer a little more insight than "No".
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> > > I don't know Stuart Banks and he may be a wonderful guy but I am not
> > > feeling the love from Ten Tec.

> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

9145. Re: [orion565] Re: Rude sales at Ten Tec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-12 17:33:52 UTC
From: James Skalski
Topic: 9140 Message: 9145

That is a problem with email. You have to read what is there. If you imagine that there is more to it then it on you.
No means no. It is not the same as NO!!! which is louder :)
I have always had professional, courteous and knowledgeable responses. That was true with emails and with phone conversations.
I find your "rude" conclusions unfounded. It may not be the answer you wanted but it certainly answers your question.

Jim n2go

From: k1fpv <k1fpv@...>
To: orion565@yahoogroups.com
Sent: Tuesday, February 12, 2013 11:24 AM
Subject: [orion565] Re: Rude sales at Ten Tec

I have to echo your statement Barry. I'm sure one thing that Ten-Tec must consider is, "Will the effort and expense (Yes it is a big expense)be worth it in the end."

I know, I was the head Radio & Audio Accessories design engineer for an electronics company and we usually attended I.W.C.E. in Las Vegas every year. Let me tell you, by the time you pay for floor space, shipment of equipment to the convention site, air fair for 3 to 4 people to attend, and finally hotel expenses for those days, you have to ask yourself, "will it pay me back in increased sales?"

I suspect, Ten-Tec did the same thing I used to do and figured that there won't be enough potential customers for this convention to make it pay.

Just my 2¢ worth on the subject!

Bill/K1FPV

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> IMHO, I'd call the answer "concise" rather than "rude".
>
> 73,
> Barry N1EU
>
> On Tue, Feb 12, 2013 at 2:56 PM, w3etc wrote:
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> > I wrote a polite email to sales at Ten Tec asking if they had any plans to
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> > The response was and I quote.

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> > Stuart Banks
> > Ten-Tec Sales
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> > While that certainly is an answer I expected a little more of an answer. I
> > wrote Elecraft and Wayne himself wrote me back. I wrote Array solutions
> > about the Acom 800 and Bob wrote back a nice lengthly email. Maybe it is
> > just me however if I was in sales and a customer that has spent a fair
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> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

9146. Re: [orion565] Re: Rude sales at Ten Tec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-12 18:19:24 UTC
From: wolfmanjack@...
Topic: 9140 Message: 9146

FWIW, I've nothing but great dealings with Stuart and Stan....

73 John K7FD

On Tue, Feb 12, 2013 at 9:33 AM, James Skalski wrote:

That is a problem with email. You have to read what is there. If you
imagine that there is more to it then it on you.
No means no. It is not the same as NO!!! which is louder :)
I have always had professional, courteous and knowledgeable responses.
That was true with emails and with phone conversations.
I find your "rude" conclusions unfounded. It may not be the answer you
wanted but it certainly answers your question.

Jim n2go

From: k1fpv k1fpv@...
<javascript:parent.wgMail.openComposeWindow('k1fpv@...')> >
To: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
Sent: Tuesday, February 12, 2013 11:24 AM
Subject: [orion565] Re: Rude sales at Ten Tec

I have to echo your statement Barry. I'm sure one thing that Ten-Tec
must consider is, "Will the effort and expense (Yes it is a big
expense)be worth it in the end."

I know, I was the head Radio & Audio Accessories design engineer for an
electronics company and we usually attended I.W.C.E. in Las Vegas every
year. Let me tell you, by the time you pay for floor space, shipment of
equipment to the convention site, air fair for 3 to 4 people to attend,
and finally hotel expenses for those days, you have to ask yourself,
"will it pay me back in increased sales?"

I suspect, Ten-Tec did the same thing I used to do and figured that
there won't be enough potential customers for this convention to make it
pay.

Just my 2¢ worth on the subject!

Bill/K1FPV

--- In orion565@yahoogroups.com
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>> While that certainly is an answer I expected a little more of an
>> answer. I wrote Elecraft and Wayne himself wrote me back. I wrote
>> Array solutions about the Acom 800 and Bob wrote back a nice lengthly
>> email. Maybe it is just me however if I was in sales and a customer
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>> purchasing a $3000 plus amplifier I think I might offer a little more
>> insight than "No".
>> I don't know Stuart Banks and he may be a wonderful guy but I am not
>> feeling the love from Ten Tec.
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>>
>
>
> [Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

9147. Re: Rude sales at Ten Tec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-12 18:56:54 UTC
From: pa1ap
Topic: 9140 Message: 9147

This type of discussions will always show positive and negative experiences and can go on forever. People can have good or bad days / circumstances and email is brutal when the context is captured badly or not received well. Once documented the "conspiracy theories" start evolving on the forums, often without the other side joining the discussion.

I suggest to call TenTec and ask them the question again if you are still interested. See how they respond and I can only hope the dialogue will be more fruitful.

Best regards, Onno pa1ap

(I agree "no" is a bit short for any commercial company but I also believe people can make mistakes and a second chance makes a world of difference in most cases)

--- In orion565@yahoogroups.com, wolfmanjack@... wrote:
>
>
> FWIW, I've nothing but great dealings with Stuart and Stan....
>
> 73 John K7FD
>
> On Tue, Feb 12, 2013 at 9:33 AM, James Skalski wrote:
>
> That is a problem with email. You have to read what is there. If you
> imagine that there is more to it then it on you.Â
> No means no. It is not the same as NO!!! which is louder :)
> I have always had professional, courteous and knowledgeable responses.
> That was true with emails and with phone conversations.
> I find your "rude" conclusions unfounded. It may not be the answer you
> wanted but it certainly answers your question.
>
> Jim n2go
>
> _____
> From: k1fpv k1fpv@...
> >
> To: orion565@yahoogroups.com
>
> Sent: Tuesday, February 12, 2013 11:24 AM
> Subject: [orion565] Re: Rude sales at Ten Tec
>
> Â
> I have to echo your statement Barry. I'm sure one thing that Ten-Tec
> must consider is, "Will the effort and expense (Yes it is a big
> expense)be worth it in the end."
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> I know, I was the head Radio & Audio Accessories design engineer for an

> electronics company and we usually attended I.W.C.E. in Las Vegas every
> year. Let me tell you, by the time you pay for floor space, shipment of
> equipment to the convention site, air fair for 3 to 4 people to attend,
> and finally hotel expenses for those days, you have to ask yourself,
> "will it pay me back in increased sales?"
>
> I suspect, Ten-Tec did the same thing I used to do and figured that
> there won't be enough potential customers for this convention to make it
> pay.
>
> Just my 2Â¢ worth on the subject!
>
> Bill/K1FPV
>
> --- In orion565@yahoogroups.com
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> , Barry N1EU wrote:
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> >>
> > >
> > >
> > > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
>

9148. Re: [orion565] Rude sales at Ten Tec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-12 19:05:17 UTC
From: Stanton Bailey
Topic: 9140 Message: 9148

Your wrong.

From: Barry N1EU <barry.n1eu@...>
To: orion565@yahoogroups.com
Sent: Tuesday, February 12, 2013 8:17 AM
Subject: Re: [orion565] Rude sales at Ten Tec

IMHO, I'd call the answer "concise" rather than "rude".

73,
Barry N1EU

On Tue, Feb 12, 2013 at 2:56 PM, w3etc w3etc@...> wrote:

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>
>
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> feeling the love from Ten Tec.
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>
>

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[Non-text portions of this message have been removed]

9150. Re: Power on problem with my O1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-12 20:37:44 UTC
From: paul horvitz
Topic: 9133 Message: 9150

As well as checking those caps on the A9 board (which I've had to
replace in my O1),
take a close look at the DC power connector bringing the 13.8 into the rig.
Just a week ago I had to repair it on my rig. One of the pins was
oxidized, also it was not making a tight connection and plastic of the
plug on that pin was discolored (brownish) from heat and high resistive
path.

Good luck,
73
Paul
WA6IAF

9151. Re: [orion565] Re: Rude sales at Ten Tec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-12 21:09:10 UTC
From: mcelmer1
Topic: 9140 Message: 9151

I am a 7 year satisfied customer of both service & sales. Hells, bells, they auppplied free parts although my stuff was 2 or more years out of warranty.

However, I have a problem with the "new, factory shipping container for equipment returned for repair but that is for another program.

Mike'
W8TRN
----- Original Message -----
From: wolfmanjack@...
To: orion565@yahoogroups.com
Sent: Tuesday, February 12, 2013 11:19
Subject: Re: [orion565] Re: Rude sales at Ten Tec

FWIW, I've nothing but great dealings with Stuart and Stan....

73 John K7FD

On Tue, Feb 12, 2013 at 9:33 AM, James Skalski wrote:

That is a problem with email. You have to read what is there. If you
imagine that there is more to it then it on you.
No means no. It is not the same as NO!!! which is louder :)
I have always had professional, courteous and knowledgeable responses.
That was true with emails and with phone conversations.
I find your "rude" conclusions unfounded. It may not be the answer you
wanted but it certainly answers your question.

Jim n2go

From: k1fpv k1fpv@...
k1fpv@...')> >
To: orion565@yahoogroups.com
orion565@yahoogroups.com')>
Sent: Tuesday, February 12, 2013 11:24 AM
Subject: [orion565] Re: Rude sales at Ten Tec

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must consider is, "Will the effort and expense (Yes it is a big
expense)be worth it in the end."

I know, I was the head Radio & Audio Accessories design engineer for an
electronics company and we usually attended I.W.C.E. in Las Vegas every
year. Let me tell you, by the time you pay for floor space, shipment of
equipment to the convention site, air fair for 3 to 4 people to attend,
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"will it pay me back in increased sales?"

I suspect, Ten-Tec did the same thing I used to do and figured that there won't be enough potential customers for this convention to make it pay.

Just my 2¢ worth on the subject!

Bill/K1FPV

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>> feeling the love from Ten Tec.
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>
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> [Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

orion565@yahoogroups.com')>

ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9152. RE: [orion565] Rude sales at Ten Tec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-12 21:18:43 UTC
From: George
Topic: 9140 Message: 9152

I heard the same thing about Alpha amps? Pulled out of the Orlando Hamfest at the last minute.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John Morris
Sent: Tuesday, February 12, 2013 10:17 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Rude sales at Ten Tec

Perhaps Stuart has not yet taken his Customer Service 101 course. I attended the Orlando HamCation over this past weekend and Ten-Tec was not there. Word on the floor was that they had pulled out at the last minute. A lot of speculation was swirling that there may be trouble in Sevierville.

-----Original Message-----
From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
Of w3etc
Sent: Tuesday, February 12, 2013 9:57 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] Rude sales at Ten Tec

I wrote a polite email to sales at Ten Tec asking if they had any plans to come out with a higher powered solid sate amp to go along with my Orion II. The response was and I quote.

No

Stuart Banks
Ten-Tec Sales

While that certainly is an answer I expected a little more of an answer. I wrote Elecraft and Wayne himself wrote me back. I wrote Array solutions about the Acom 800 and Bob wrote back a nice lengthly email. Maybe it is just me however if I was in sales and a customer that has spent a fair amount of money in the past asks about plans or purchasing a $3000 plus amplifier I think I might offer a little more insight than "No".

I don't know Stuart Banks and he may be a wonderful guy but I am not feeling the love from Ten Tec.

Yahoo! Groups Links

[Non-text portions of this message have been removed]

9153. Re: [orion565] Rude sales at Ten Tec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-12 21:43:24 UTC
From: amfone
Topic: 9140 Message: 9153

I agree that a simple one word answer containing the word "no" is not a very smart answer from a commercial standpoint. The person at TT has to understand that he or she is in direct contact with a potential customer and that this "point of contact" is critical to make the proper impression.

73 Tim
WB8UHZ

From: Stanton Bailey <obeegin@...>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Sent: Tuesday, February 12, 2013 2:05 PM
Subject: Re: [orion565] Rude sales at Ten Tec

Your wrong.

From: Barry N1EU barry.n1eu@...>
To: orion565@yahoogroups.com
Sent: Tuesday, February 12, 2013 8:17 AM
Subject: Re: [orion565] Rude sales at Ten Tec

IMHO, I'd call the answer "concise" rather than "rude".

73,
Barry N1EU

On Tue, Feb 12, 2013 at 2:56 PM, w3etc w3etc@...> wrote:

> **
>
>
> I wrote a polite email to sales at Ten Tec asking if they had any plans to
> come out with a higher powered solid sate amp to go along with my Orion II.
> The response was and I quote.
>
> No
>
> Stuart Banks
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> While that certainly is an answer I expected a little more of an answer. I
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9154. Re: [orion565] Rude sales at Ten Tec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-12 22:16:40 UTC
From: Larry Menzel
Topic: 9140 Message: 9154

I agree with Tim. As an outside representative of a large insurance company, I am constantly reminding all of our home office folks that everyone, ultimately, is a salesperson, and to remember that at that moment, he/she is representing the company. If he/she is less than polite, curt, short or, gawd forbid, rude, then that reflects poorly on all of us.

No, a guy can have a bad day, no question, but a polite response is ALWAYS required. Stuart should/does know this, especially if, as his signature implies, he's a member of the sales team.

It would seem to me that a brief note to him (Stuart), politely stating your case, may be in order. It may be welcome, but in any case, you'll fee better without making him feel worse. In any event, TT monitors this reflector on many occassions, and that, in itself, may be enough to stimulate the behavior you seek.

Just my .02.

Larry, W0PR

On Tue, Feb 12, 2013 at 3:43 PM, amfone <amfone20000@...> wrote:

> **
>
>
> I agree that a simple one word answer containing the word "no" is not a
> very smart answer from a commercial standpoint. The person at TT has to
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> To: "orion565@yahoogroups.com" orion565@yahoogroups.com>
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> To: orion565@yahoogroups.com
> Sent: Tuesday, February 12, 2013 8:17 AM
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> >
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9155. RE: [orion565] Rude sales at Ten Tec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-12 22:50:25 UTC
From: Ralph Matthews
Topic: 9140 Message: 9155

This topic has seemed to take on a life of its own. I do not want to necessarily perpetuate this dialog, but feel compelled to make a couple of observations.

First, regarding exhibiting at conferences, I have exhibited at hundreds of industry meetings over many decades, albeit in a different industry (insurance.) The fees for having a booth at these gatherings can range from $2500 to $15000 depending on the venue and the size of the conference (Orlando vs. Dayton.) That's just the start, since you've already paid about 10 grand for the booth display, artwork, etc. Then, you must consider shipping and setup of the booth at the target venue. Shipping costs can vary, as can the charge for Union workers to set up your booth. It ain't cheap! Then, you must consider travel costs, hotel costs, wining and dining prospective clients and the like. Once that is taken into consideration, the price tag escalates astronomically. My company recently attended a two and one half day conference in So. Cal, and the travel, hotel, etc. amounted to over 20,000 to send 9 people there!

So, there is no question about the expense involved in attending these conferences to exhibit. Most all companies formulate a budget, which would include product marketing to cover these types of expenses. For the company, the question then becomes how to best spend the money for the biggest impact and ROI (return on investment.) Looking at it from the outside, it may well be that Ten Tec decided it was more important to spend their money at other venues, where they would get a better response to their marketing efforts. Additionally, Ten Tec might feel their position in the market is somewhat secure, and chose to not attend, based on market research and actual experience. I do not believe Ten Tec is a publicly traded company, but probably a privately owned firm. As such, they do not have investors who demand certain return on their dollars. The truth is that because of the demand for profitability by investors, most big corporations must pander to them, turning them into quarterly cash cows, without much regard to long range planning. Although I haven't checked, I would guess that the Big Three, Yaesu, Kenwood and Icom have private equity ownership to a lesser or greater degree.

Second, let's look at market position and market share. The marketing budgets of the big three dwarf what Ten Tec has to spend on "getting their message out." Just look at QST magazine, where the big boys buy page after page of ads, whereas Ten Tec might have a one page ad. The market for ham radio gear is limited at the start. There are approximately 700,000 hams in the US. But there are 330 million US citizens who may be in the market for toasters and the like. So, it is a very small slice demographically. Consequently, the market focus is very narrow and with the budgets of the big three, we are looking at a David vs. Goliath scenario. How does a company like Ten Tec compete? The answer is product quality and SERVICE.

Third, let's discuss service. I completely understand the frustration of the gentleman who received a cryptic one word response to a well-intended question. Perhaps it could have been handled differently, such as "We have no present plans to produce a legal limit solid state amplifier. We have other projects on the board that have taken precedence." For me personally, that would have been a satisfactory response. I have never talked to Mr. Banks at Ten Tec, but I am sure his focus and that of the corporation is to provide exemplary service. Maybe it did not happen to the satisfaction of the questioner, but in my mind, it does not negate the thousands of positive interactions had by our Ten Tec faithful , and the dozens of interactions I personally have had with them over the years. Their service is what keeps them at the forefront versus their competitors. Just try to get a one on one telephone call with the engineers at the big three. On the other hand, you can talk to Mr. Henry there, or a VP. Just a word on product development. If a company is working on developing a new product to increase market share, particularly in areas where there is a chance to compete, it would not make business sense to tip off the competition as to your plans.

I have no financial ties whatsoever with Ten Tec. I own an Orion II and an Omni VII and love them. They are easy to operate, and unlike the competition, they don't have four deep menus on every button. These rigs compete very well with the top line of the big three. In my humble opinion, I want to see an American company hold its own and prosper against the big boys.

I apologize for the length of this post, but that's my input. Agree or disagree, I care not. That's the way I see it.

73,
Ralph NA6D

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of George
Sent: Tuesday, February 12, 2013 1:19 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Rude sales at Ten Tec

I heard the same thing about Alpha amps? Pulled out of the Orlando Hamfest at the last minute.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John Morris
Sent: Tuesday, February 12, 2013 10:17 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Rude sales at Ten Tec

Perhaps Stuart has not yet taken his Customer Service 101 course. I attended the Orlando HamCation over this past weekend and Ten-Tec was not there. Word on the floor was that they had pulled out at the last minute. A lot of speculation was swirling that there may be trouble in Sevierville.

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From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
Behalf Of w3etc
Sent: Tuesday, February 12, 2013 9:57 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] Rude sales at Ten Tec

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I don't know Stuart Banks and he may be a wonderful guy but I am not feeling
the love from Ten Tec.

Yahoo! Groups Links

[Non-text portions of this message have been removed]

Yahoo! Groups Links

9156. RE: [orion565] Rude sales at Ten Tec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-13 00:03:32 UTC
From: George
Topic: 9140 Message: 9156

Ralph;

Excellent post. I enjoyed reading your take on the subject.

My only input to all this is a response of "no" is not a good answer from TT. As you stated, it could have been put more eloquently. An answer like "no" means to me that I'm bothering them with the question.

I own an Orion-2 and love it.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Ralph Matthews
Sent: Tuesday, February 12, 2013 5:50 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Rude sales at Ten Tec

This topic has seemed to take on a life of its own. I do not want to necessarily perpetuate this dialog, but feel compelled to make a couple of observations.

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I apologize for the length of this post, but that's my input. Agree or disagree, I care not. That's the way I see it.

73,
Ralph NA6D

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From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On

Behalf
Of George
Sent: Tuesday, February 12, 2013 1:19 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] Rude sales at Ten Tec

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George W2YJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf
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Sent: Tuesday, February 12, 2013 10:17 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] Rude sales at Ten Tec

Perhaps Stuart has not yet taken his Customer Service 101 course. I attended the Orlando HamCation over this past weekend and Ten-Tec was not there. Word on the floor was that they had pulled out at the last minute. A lot of speculation was swirling that there may be trouble in Sevierville.

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Yahoo! Groups Links

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

9157. RE: [orion565] Rude sales at Ten Tec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-13 05:02:22 UTC
From: John Morris
Topic: 9140 Message: 9157

True. They did.

73,
John
W4GD

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of George
Sent: Tuesday, February 12, 2013 4:19 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Rude sales at Ten Tec

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George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John Morris
Sent: Tuesday, February 12, 2013 10:17 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Rude sales at Ten Tec

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Yahoo! Groups Links

[Non-text portions of this message have been removed]

Yahoo! Groups Links

9158. Re: Rude sales at Ten Tec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-13 15:45:00 UTC
From: wa6iaf
Topic: 9140 Message: 9158

I love my O1.
I also greatly appreciate the companies responsiveness.

A while back I posted here regarding an issue I had with my 565 while running it on SSB. The service manager of Ten Tec, Paul Clinton, emailed me direct and due to his generous help I was able to cure the issues. All in all it took three thoughtfully detailed emails from him which must have taken quite a chunk of time. Amazing!

Thank you Ten Tec, Paul Clinton and all the others working there.

I wonder if the question about future plans would have been answered at all from ken-yea-com? Highly doubtful.

Personally I liked the "no" given although I must say an answer of "nope" would have worked for me as well.

73
Paul
WA6IAF

--- In orion565@yahoogroups.com, "Ralph Matthews" wrote:
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> observations.
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> First, regarding exhibiting at conferences, I have exhibited at hundreds of
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> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
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> Sent: Tuesday, February 12, 2013 1:19 PM
> To: orion565@yahoogroups.com
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> Sent: Tuesday, February 12, 2013 9:57 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Rude sales at Ten Tec
>
> I wrote a polite email to sales at Ten Tec asking if they had any plans to
> come out with a higher powered solid sate amp to go along with my Orion II.
> The response was and I quote.
>
> No
>
> Stuart Banks

> Ten-Tec Sales
>
> While that certainly is an answer I expected a little more of an answer. I
> wrote Elecraft and Wayne himself wrote me back. I wrote Array solutions
> about the Acom 800 and Bob wrote back a nice lengthly email. Maybe it is
> just me however if I was in sales and a customer that has spent a fair
> amount of money in the past asks about plans or purchasing a $3000 plus
> amplifier I think I might offer a little more insight than "No".
>
> I don't know Stuart Banks and he may be a wonderful guy but I am not feeling
> the love from Ten Tec.
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
>
> Yahoo! Groups Links
>

9159. Re: Rude sales at Ten Tec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-13 15:48:28 UTC
From: wa6iaf
Topic: 9140 Message: 9159

To be clear, I did not solicit any help from Ten Tec but they keep in touch with their users personally and respond with real assistance. WOW how refreshing in today's world!

iaf

--- In orion565@yahoogroups.com, "wa6iaf" wrote:
>
> I love my O1.
> I also greatly appreciate the companies responsiveness.
>
> A while back I posted here regarding an issue I had with my 565 while running it on SSB.
> The service manager of Ten Tec, Paul Clinton, emailed me direct and due to his generous help I was able to cure the issues. All in all it took three thoughtfully detailed emails from him which must have taken quite a chunk of time. Amazing!
>
> Thank you Ten Tec, Paul Clinton and all the others working there.
>
> I wonder if the question about future plans would have been answered at all from ken-yea-com? Highly doubtful.
>
> Personally I liked the "no" given although I must say an answer of "nope" would have worked for me as well.
>
> 73
> Paul
> WA6IAF
>
>
>
>
> --- In orion565@yahoogroups.com, "Ralph Matthews" wrote:
> >
> > This topic has seemed to take on a life of its own. I do not want to
> > necessarily perpetuate this dialog, but feel compelled to make a couple of
> > observations.
> >
> > First, regarding exhibiting at conferences, I have exhibited at hundreds of
> > industry meetings over many decades, albeit in a different industry
> > (insurance.) The fees for having a booth at these gatherings can range from
> > $2500 to $15000 depending on the venue and the size of the conference
> > (Orlando vs. Dayton.) That's just the start, since you've already paid about
> > 10 grand for the booth display, artwork, etc. Then, you must consider
> > shipping and setup of the booth at the target venue. Shipping costs can
> > vary, as can the charge for Union workers to set up your booth. It ain't
> > cheap! Then, you must consider travel costs, hotel costs, wining and dining

> > prospective clients and the like. Once that is taken into consideration, the
> > price tag escalates astronomically. My company recently attended a two and
> > one half day conference in So. Cal, and the travel, hotel, etc. amounted to
> > over 20,000 to send 9 people there!
> >
> > So, there is no question about the expense involved in attending these
> > conferences to exhibit. Most all companies formulate a budget, which would
> > include product marketing to cover these types of expenses. For the company,
> > the question then becomes how to best spend the money for the biggest impact
> > and ROI (return on investment.) Looking at it from the outside, it may well
> > be that Ten Tec decided it was more important to spend their money at other
> > venues, where they would get a better response to their marketing efforts.
> > Additionally, Ten Tec might feel their position in the market is somewhat
> > secure, and chose to not attend, based on market research and actual
> > experience. I do not believe Ten Tec is a publicly traded company, but
> > probably a privately owned firm. As such, they do not have investors who
> > demand certain return on their dollars. The truth is that because of the
> > demand for profitability by investors, most big corporations must pander to
> > them, turning them into quarterly cash cows, without much regard to long
> > range planning. Although I haven't checked, I would guess that the Big
> > Three, Yaesu, Kenwood and Icom have private equity ownership to a lesser or
> > greater degree.
> >
> > Second, let's look at market position and market share. The marketing
> > budgets of the big three dwarf what Ten Tec has to spend on "getting their
> > message out." Just look at QST magazine, where the big boys buy page after
> > page of ads, whereas Ten Tec might have a one page ad. The market for ham
> > radio gear is limited at the start. There are approximately 700,000 hams in
> > the US. But there are 330 million US citizens who may be in the market for
> > toasters and the like. So, it is a very small slice demographically.
> > Consequently, the market focus is very narrow and with the budgets of the
> > big three, we are looking at a David vs. Goliath scenario. How does a
> > company like Ten Tec compete? The answer is product quality and SERVICE.
> >
> > Third, let's discuss service. I completely understand the frustration of the
> > gentleman who received a cryptic one word response to a well-intended
> > question. Perhaps it could have been handled differently, such as "We have
> > no present plans to produce a legal limit solid state amplifier. We have
> > other projects on the board that have taken precedence." For me personally,
> > that would have been a satisfactory response. I have never talked to Mr.
> > Banks at Ten Tec, but I am sure his focus and that of the corporation is to
> > provide exemplary service. Maybe it did not happen to the satisfaction of
> > the questioner, but in my mind, it does not negate the thousands of positive
> > interactions had by our Ten Tec faithful , and the dozens of interactions I
> > personally have had with them over the years. Their service is what keeps
> > them at the forefront versus their competitors. Just try to get a one on one
> > telephone call with the engineers at the big three. On the other hand, you
> > can talk to Mr. Henry there, or a VP. Just a word on product development. If
> > a company is working on developing a new product to increase market share,
> > particularly in areas where there is a chance to compete, it would not make

> > business sense to tip off the competition as to your plans.
> >
> > I have no financial ties whatsoever with Ten Tec. I own an Orion II and an
> > Omni VII and love them. They are easy to operate, and unlike the
> > competition, they don't have four deep menus on every button. These rigs
> > compete very well with the top line of the big three. In my humble opinion,
> > I want to see an American company hold its own and prosper against the big
> > boys.
> >
> > I apologize for the length of this post, but that's my input. Agree or
> > disagree, I care not. That's the way I see it.
> >
> > 73,
> > Ralph NA6D
> >
> > -----Original Message-----
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > Of George
> > Sent: Tuesday, February 12, 2013 1:19 PM
> > To: orion565@yahoogroups.com
> > Subject: RE: [orion565] Rude sales at Ten Tec
> >
> > I heard the same thing about Alpha amps? Pulled out of the Orlando Hamfest
> > at the last minute.
> >
> >
> >
> > George W2YJ
> >
> >
> >
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > Of John Morris
> > Sent: Tuesday, February 12, 2013 10:17 AM
> > To: orion565@yahoogroups.com
> > Subject: RE: [orion565] Rude sales at Ten Tec
> >
> >
> >
> >
> >
> >
> > Perhaps Stuart has not yet taken his Customer Service 101 course. I attended
> > the Orlando HamCation over this past weekend and Ten-Tec was not there. Word
> > on the floor was that they had pulled out at the last minute. A lot of
> > speculation was swirling that there may be trouble in Sevierville.
> >
> > -----Original Message-----
> > From: orion565@yahoogroups.com
> > [mailto:orion565@yahoogroups.com] On
> > Behalf Of w3etc

> > Sent: Tuesday, February 12, 2013 9:57 AM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] Rude sales at Ten Tec
> >
> > I wrote a polite email to sales at Ten Tec asking if they had any plans to
> > come out with a higher powered solid sate amp to go along with my Orion II.
> > The response was and I quote.
> >
> > No
> >
> > Stuart Banks
> > Ten-Tec Sales
> >
> > While that certainly is an answer I expected a little more of an answer. I
> > wrote Elecraft and Wayne himself wrote me back. I wrote Array solutions
> > about the Acom 800 and Bob wrote back a nice lengthly email. Maybe it is
> > just me however if I was in sales and a customer that has spent a fair
> > amount of money in the past asks about plans or purchasing a $3000 plus
> > amplifier I think I might offer a little more insight than "No".
> >
> > I don't know Stuart Banks and he may be a wonderful guy but I am not feeling
> > the love from Ten Tec.
> >
> > ------------------------------------
> >
> > Yahoo! Groups Links
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> >
> > Yahoo! Groups Links
> >
>

9160. Subject Change!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-13 22:48:27 UTC
From: k1fpv
Topic: 9160 Message: 9160

Boy, I'm tired of seeing that snow outside....."HURRY UP SUMMER!"

Bill/K1FPV

9161. Re: Subject Change!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-14 07:57:46 UTC
From: Mark
Topic: 9160 Message: 9161

Things look much different from this side; we are just happy to enjoy 4 - 10 days on average of snow each winter period :)

cu in ARRL DX CW from PI4TUE

73 Mark, PA5MW

--- In orion565@yahoogroups.com, "k1fpv" wrote:
>
> Boy, I'm tired of seeing that snow outside....."HURRY UP SUMMER!"
>
> Bill/K1FPV
>

9162. Re: Subject Change!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-14 15:12:42 UTC
From: Rolf Krogstad
Topic: 9160 Message: 9162

I am sure glad I live in Minnesota where we don't get the horrible winters
you get in New England!

I love my Orion, especially with the addition of the new RX-366
sub-receiver.

I hope to see you all in ARRL DX CW & SSB from the W0AIH multi-multi in WI.
http://www.qth.com/w0aih/

73
Rolf NR0T

Wed Feb 13, 2013 2:48 pm (PST) . Posted by:"k1fpv"
k1fpv<k1fpv@...?subject=Re%3A%20Subject%20Change%21>
Boy, I'm tired of seeing that snow outside.....**"HURRY UP SUMMER!"

Bill/K1FPV

[Non-text portions of this message have been removed]

9163. Re: Subject Change!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-14 20:24:26 UTC
From: k1fpv
Topic: 9160 Message: 9163

Hmmmmm! I thought your winters are colder than ours here in New England Rolf! We might get more snow due to the close proximity of the Atlantic Ocean and the warm Gulf Stream that feeds the storms, but I was under the impression your winters are colder.

At any rate, I have antenna work to do in the spring, thanks to an ice storm earlier this winter.

YUCK!/K1FPV

--- In orion565@yahoogroups.com, Rolf Krogstad wrote:
>
> I am sure glad I live in Minnesota where we don't get the horrible winters
> you get in New England!
>
> I love my Orion, especially with the addition of the new RX-366
> sub-receiver.
>
> I hope to see you all in ARRL DX CW & SSB from the W0AIH multi-multi in WI.
> http://www.qth.com/w0aih/
>
> 73
> Rolf NR0T
>
>
> Wed Feb 13, 2013 2:48 pm (PST) . Posted by:"k1fpv"
> k1fpv
> Boy, I'm tired of seeing that snow outside.....**"HURRY UP SUMMER!"
>
> Bill/K1FPV
>
>
> [Non-text portions of this message have been removed]
>

9164. Re: [orion565] Re: Subject Change!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-14 22:05:59 UTC
From: tnnyswy@...
Topic: 9160 Message: 9164

You know what they say about an Antenna that never comes down.
It wasn't good in the first place. :-D   < BIG GRIN>

Comes spring, you'll be able to put up a bigger and better Antenna!
Get one of dem G5RV and you'll be able to talk around the world and make a lot of DX contact.
BTW , it'll work from 6 to 160m and it's the best thing since slice bread.

Better get my tongue outta my cheek, before I get into trouble.

((((73)))) Milverton.

>_____
> From: k1fpv <k1fpv@...>
>To: orion565@yahoogroups.com
>Sent: Thursday, February 14, 2013 2:24 PM
>Subject: [orion565] Re: Subject Change!
>
>
>
>Hmmmmm! I thought your winters are colder than ours here in New England Rolf! We might get more snow due to the close proximity of the Atlantic Ocean and the warm Gulf Stream that feeds the storms, but I was under the impression your winters are colder.
>
>At any rate, I have antenna work to do in the spring, thanks to an ice storm earlier this winter.
>
>YUCK!/K1FPV
>
>--- In orion565@yahoogroups.com, Rolf Krogstad wrote:
>>
>> I am sure glad I live in Minnesota where we don't get the horrible winters
>> you get in New England!
>>
>> I love my Orion, especially with the addition of the new RX-366
>> sub-receiver.
>>
>> I hope to see you all in ARRL DX CW & SSB from the W0AIH multi-multi in WI.
>> http://www.qth.com/w0aih/
>>
>> 73
>> Rolf NR0T
>>
>>
>> Wed Feb 13, 2013 2:48 pm (PST) . Posted by:"k1fpv"
>> k1fpv

>> Boy, I'm tired of seeing that snow outside.....**"HURRY UP SUMMER!"
>>
>> Bill/K1FPV
>>
>>
>> [Non-text portions of this message have been removed]
>>
>
>
>
>
>

[Non-text portions of this message have been removed]

9165. Re: [orion565] Re: Subject Change!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-14 22:10:42 UTC
From: Barry N1EU
Topic: 9160 Message: 9165

They also say that putting up the antenna in winter is worth +3dB

73,
Barry N1EU

On Thu, Feb 14, 2013 at 10:05 PM, <tnnyswy@...> wrote:

> **
>
>
> You know what they say about an Antenna that never comes down.
> It wasn't good in the first place. :-D < BIG GRIN>
>
> Comes spring, you'll be able to put up a bigger and better Antenna!
> Get one of dem G5RV and you'll be able to talk around the world and make a
> lot of DX contact.
> BTW , it'll work from 6 to 160m and it's the best thing since slice bread.
>
> Better get my tongue outta my cheek, before I get into trouble.
>
> ((((73)))) Milverton.
>
> >_____
> > From: k1fpv k1fpv@...>
> >To: orion565@yahoogroups.com
> >Sent: Thursday, February 14, 2013 2:24 PM
> >Subject: [orion565] Re: Subject Change!
>
> >
> >
> >
> >Hmmmmm! I thought your winters are colder than ours here in New England
> Rolf! We might get more snow due to the close proximity of the Atlantic
> Ocean and the warm Gulf Stream that feeds the storms, but I was under the
> impression your winters are colder.
> >
> >At any rate, I have antenna work to do in the spring, thanks to an ice
> storm earlier this winter.
> >
> >YUCK!/K1FPV
> >
> >--- In orion565@yahoogroups.com, Rolf Krogstad wrote:
> >>
> >> I am sure glad I live in Minnesota where we don't get the horrible
> winters
> >> you get in New England!

> >>
> >> I love my Orion, especially with the addition of the new RX-366
> >> sub-receiver.
> >>
> >> I hope to see you all in ARRL DX CW & SSB from the W0AIH multi-multi in
> WI.
> >> http://www.qth.com/w0aih/
> >>
> >> 73
> >> Rolf NR0T
> >>
> >>
> >> Wed Feb 13, 2013 2:48 pm (PST) . Posted by:"k1fpv"
> >> k1fpv
> >> Boy, I'm tired of seeing that snow outside.....**"HURRY UP SUMMER!"
> >>
> >> Bill/K1FPV
> >>
> >>
> >> [Non-text portions of this message have been removed]
> >>
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

9166. Re: [orion565] Re: Subject Change!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-14 22:17:26 UTC
From: Joe KX4JR
Topic: 9160 Message: 9166

Does that count for Florida too?
Just put up a multi-band dipole fed with open wire
two days ago and the temperature was 76 in St. Augustine, FL
73,
Joe, KX4JR

On 2/14/2013 5:10 PM, Barry N1EU wrote:
> They also say that putting up the antenna in winter is worth +3dB
>
> 73,
> Barry N1EU
>
> On Thu, Feb 14, 2013 at 10:05 PM, tnnyswy@...
> <mailto:tnnyswy%40yahoo.com>> wrote:

9167. Re: Subject Change!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-15 00:20:13 UTC
From: k1fpv
Topic: 9160 Message: 9167

*** SHOWOFF !!! *****
It is 26 degrees F here right now and they are predicting more snow on Saturday! :+(

Bill/K1FPV

--- In orion565@yahoogroups.com, Joe KX4JR wrote:
>
> Does that count for Florida too?
> Just put up a multi-band dipole fed with open wire
> two days ago and the temperature was 76 in St. Augustine, FL
> 73,
> Joe, KX4JR
>
> On 2/14/2013 5:10 PM, Barry N1EU wrote:
> > They also say that putting up the antenna in winter is worth +3dB
> >
> > 73,
> > Barry N1EU
> >
> > On Thu, Feb 14, 2013 at 10:05 PM, tnnyswy@...
> > > wrote:
>

9168. Re: [orion565] Re: Subject Change!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-15 01:04:55 UTC
From: Mike, K9UW
Topic: 9160 Message: 9168

True. Add another 3 dB if it 1) draws blood, 2) goes up in the dark, or
3) goes up during a blizzard.

Assuming the antennas are connected to a TenTec rig...

73, de Mike, K9UW
Amherst, WI

On 2/14/2013 4:10 PM, Barry N1EU wrote:
>
> They also say that putting up the antenna in winter is worth +3dB
>
> 73,
> Barry N1EU
>

[Non-text portions of this message have been removed]

9169. RE: [orion565] Re: Subject Change!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-15 02:18:32 UTC
From: John T. Fleming
Topic: 9160 Message: 9169

Bill,

All y'all northerners left the refrigerator doors open again! They told us to have our frost clothes ready for this weekend. I don't mind sharing some of our heat, but you can keep you cold for the successful antenna work! :>}

73,
John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of k1fpv
Sent: Thursday, February 14, 2013 7:20 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Subject Change!

*** SHOWOFF !!! *****
It is 26 degrees F here right now and they are predicting more snow on Saturday! :+(

Bill/K1FPV

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , Joe KX4JR wrote:
>
> Does that count for Florida too?
> Just put up a multi-band dipole fed with open wire
> two days ago and the temperature was 76 in St. Augustine, FL
> 73,
> Joe, KX4JR
>
> On 2/14/2013 5:10 PM, Barry N1EU wrote:
> > They also say that putting up the antenna in winter is worth +3dB
> >
> > 73,
> > Barry N1EU
> >
> > On Thu, Feb 14, 2013 at 10:05 PM, tnnyswy@...
> > > wrote:
>

[Non-text portions of this message have been removed]

9170. Re: [orion565] Re: Subject Change!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-15 09:41:56 UTC
From: Barry N1EU
Topic: 9160 Message: 9170

Rebuilt my SteppIR and raised it as Nemo's snow was already falling here in Albany NY last Friday.

Hiked up Mr Greylock in western Mass on Wed afternoon (3 hours, spikes on my boots) and operated QRP from the summit (SOTA).

Not saying I love the cold and snow, but resistance is futile . . . . and I hate just sitting inside the house.

Looking forward to playing with my 565/RX366 tomorrow morning in the dx contest (back on topic) and going hiking in the afternoon (32 deg).

73,
Barry N1EU

[Non-text portions of this message have been removed]

9171. Re: Subject Change!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-15 15:39:07 UTC
From: k1fpv
Topic: 9160 Message: 9171

Alright....show off Barry! ;=) You must be one of those younger people, but unfortunately, us older "Geezers" have lost some of that vigor or our youth!

Having lived down south for a number of years, before returning to New England, You southern guys can keep your summer heat! The thing I hated was during thunderstorms, looking up at those funnel clouds hoping they didn't touch down. I'll still take New England!

Bill/K1FPV :=)

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Rebuilt my SteppIR and raised it as Nemo's snow was already falling here in
> Albany NY last Friday.
>
> Hiked up Mr Greylock in western Mass on Wed afternoon (3 hours, spikes on
> my boots) and operated QRP from the summit (SOTA).
>
> Not saying I love the cold and snow, but resistance is futile . . . . and
> I hate just sitting inside the house.
>
> Looking forward to playing with my 565/RX366 tomorrow morning in the dx
> contest (back on topic) and going hiking in the afternoon (32 deg).
>
> 73,
> Barry N1EU
>
>
> [Non-text portions of this message have been removed]
>

9172. ORION and ACOM 2000A

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-15 17:59:55 UTC
From: gmathgen
Topic: 9172 Message: 9172

Has anybody in the group succeeded in making ACOM's automatic CAT function work with the ORION?
I would be interested to know the cable arrangement.

9173. Re: [orion565] ORION and ACOM 2000A

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-15 21:32:31 UTC
From: Barry N1EU
Topic: 9172 Message: 9173

The only solution I know available (there may be others I don't know of) is
TRX-Manager which includes a TRX-Acom module that will sync the 2000A/2000S
with the rig.

73,
Barry N1EU

On Fri, Feb 15, 2013 at 5:59 PM, gmathgen <gmathgen@...> wrote:

> **
>
>
> Has anybody in the group succeeded in making ACOM's automatic CAT function
> work with the ORION?
> I would be interested to know the cable arrangement.
>
>
>

[Non-text portions of this message have been removed]

9174. Re: [orion565] ORION and ACOM 2000A

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-15 21:33:36 UTC
From: Barry N1EU
Topic: 9172 Message: 9174

This question might be better asked in the Acom Yahoo group.

73,
Barry N1EU

On Fri, Feb 15, 2013 at 5:59 PM, gmathgen <gmathgen@...> wrote:

> **
>
>
> Has anybody in the group succeeded in making ACOM's automatic CAT function
> work with the ORION?
> I would be interested to know the cable arrangement.
>
>
>

[Non-text portions of this message have been removed]

9175. Re: ORION and ACOM 2000A

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-16 06:47:21 UTC
From: pa1ap
Topic: 9172 Message: 9175

Would it be usefulll ffor orion owners to have a standalone controller box which can handle the Orion band connector and translate the status to any linear through various conversions including serial control? Does such device exist already?

Regards, Onno
--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> This question might be better asked in the Acom Yahoo group.
>
> 73,
> Barry N1EU
>
> On Fri, Feb 15, 2013 at 5:59 PM, gmathgen <gmathgen@...> wrote:
>
> > **
> >
> >
> > Has anybody in the group succeeded in making ACOM's automatic CAT function
> > work with the ORION?
> > I would be interested to know the cable arrangement.
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

9176. Re: ORION and ACOM 2000A

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-16 06:48:46 UTC
From: pa1ap
Topic: 9172 Message: 9176

Would it be usefulll ffor orion owners to have a standalone controller box which can handle the Orion band connector and translate the status to any linear through various conversions including serial control? Does such device exist already?

Regards, Onno
--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> This question might be better asked in the Acom Yahoo group.
>
> 73,
> Barry N1EU
>
> On Fri, Feb 15, 2013 at 5:59 PM, gmathgen <gmathgen@...> wrote:
>
> > **
> >
> >
> > Has anybody in the group succeeded in making ACOM's automatic CAT function
> > work with the ORION?
> > I would be interested to know the cable arrangement.
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

9177. Re: [orion565] Re: ORION and ACOM 2000A

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-16 10:19:34 UTC
From: Barry N1EU
Topic: 9172 Message: 9177

I doubt amp owners would want to pay enough to make this a worthwhile development project. Also, the Acom amp is often paired with the Acom antenna switch, so a GUI is really needed for the user to configure antenna choices by band. That way, the software can switch both the amplifier and antenna switch at the same time depending on the Orion frequency. And to take it a step further, SteppIR users also need the frequency sent to their SteppIR controller and TRX-Manager software will also do this through yet another serial port. Bottom line: just set the Orion frequency and your amp is pre-tuned, your antenna is selected and your SteppIR is pre-tuned.

73,
Barry N1EU

On Sat, Feb 16, 2013 at 6:47 AM, pa1ap <pa1ap@...> wrote:

> **
>
>
> Would it be usefulll ffor orion owners to have a standalone controller box
> which can handle the Orion band connector and translate the status to any
> linear through various conversions including serial control? Does such
> device exist already?
>
> Regards, Onno
>
> --- In orion565@yahoogroups.com, Barry N1EU wrote:
> >
> > This question might be better asked in the Acom Yahoo group.
> >
> > 73,
> > Barry N1EU
> >
> > On Fri, Feb 15, 2013 at 5:59 PM, gmathgen wrote:
> >
> > > **
>
> > >
> > >
> > > Has anybody in the group succeeded in making ACOM's automatic CAT
> function
> > > work with the ORION?
> > > I would be interested to know the cable arrangement.
> > >
> > >
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> >
> > [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

9178. Re: ORION and ACOM 2000A

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-16 19:53:21 UTC
From: pierre_rothenburger
Topic: 9172 Message: 9178

Barry,
Just downloaded TRX-Manager (French vers.) intending to run my O1 during current ARRL-test.
Plenty Omni's , one generic Ten Tec option to choose from - but no Orion!
Is the US vers doing it?(before I download again)
73,
Pierre, F3WT

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> The only solution I know available (there may be others I don't know of) is
> TRX-Manager which includes a TRX-Acom module that will sync the 2000A/2000S
> with the rig.
>
> 73,
> Barry N1EU
>
> On Fri, Feb 15, 2013 at 5:59 PM, gmathgen <gmathgen@...> wrote:
>
> > **
> > >
> > >
> > > Has anybody in the group succeeded in making ACOM's automatic CAT function
> > > work with the ORION?
> > > I would be interested to know the cable arrangement.
> > >
> > >
> > >
> >
> >
> > [Non-text portions of this message have been removed]
> >

9179. Re: [orion565] Re: ORION and ACOM 2000A

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-16 21:12:26 UTC
From: Barry N1EU
Topic: 9172 Message: 9179

Pierre, I run the latest US version. Not only does it have the Orion, it has the Eagle as well.

73,
Barry N1EU

On Sat, Feb 16, 2013 at 7:53 PM, pierre_rothenburger <f3wt@...>wrote:

> **
>
>
> Barry,
> Just downloaded TRX-Manager (French vers.) intending to run my O1 during
> current ARRL-test.
> Plenty Omni's , one generic Ten Tec option to choose from - but no Orion!
> Is the US vers doing it?(before I download again)
> 73,
> Pierre, F3WT
>
>
> --- In orion565@yahoogroups.com, Barry N1EU wrote:
> >
> > The only solution I know available (there may be others I don't know of)
> is
> > TRX-Manager which includes a TRX-Acom module that will sync the
> 2000A/2000S
> > with the rig.
> >
> > 73,
> > Barry N1EU
> >
> > On Fri, Feb 15, 2013 at 5:59 PM, gmathgen wrote:
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> > > **
>
> > >
> > >
> > > Has anybody in the group succeeded in making ACOM's automatic CAT
> function
> > > work with the ORION?
> > > I would be interested to know the cable arrangement.
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> >
> > [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

9180. Recorder

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-16 22:01:35 UTC
From: Peter Rogers
Topic: 9180 Message: 9180

Is there a way I can install a tape recorder to my Ten-Tec Orion II, to catch the call signs from a qso? People talk to fast for me to catch them. thank you. 73 ve3etr

[Non-text portions of this message have been removed]

9181. Re: [orion565] Recorder

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-16 23:07:40 UTC
From: <jack@...>
Topic: 9181 Message: 9181

If you set the "Line Out" connection to "Low," you can use the line out to feed your recorder microphone input. A small cassette recorder works just fine.
73,
Jack-W9OWO

-------Original Message-------
From: Peter Rogers
To: orion565@yahoogroups.com
Subject: [orion565] Recorder
Sent: Feb 16 '13 5:01pm

Is there a way I can install a tape recorder to my Ten-Tec Orion II, to catch the call signs from a qso? People talk to fast for me to catch them. thank you. 73 ve3etr

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9182. Re: [orion565] Re: ORION and ACOM 2000A

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-17 00:43:29 UTC
From: Georges Mathgen
Topic: 9172 Message: 9182

Hi Barry,

I agree for the Eagle, but I cannot find the Orion either, at least not in the Demo version.

73
George, LX1BB

On Feb 16, 2013, at 10:12 PM, Barry N1EU <barry.n1eu@...> wrote:

> Pierre, I run the latest US version. Not only does it have the Orion, it
> has the Eagle as well.
>
> 73,
> Barry N1EU
>
> On Sat, Feb 16, 2013 at 7:53 PM, pierre_rothenburger
> f3wt@...>wrote:
>
> > **
> > >
> > >
> > Barry,
> > Just downloaded TRX-Manager (French vers.) intending to run my O1 during
> > current ARRL-test.
> > Plenty Omni's , one generic Ten Tec option to choose from - but no Orion!
> > Is the US vers doing it?(before I download again)
> > 73,
> > Pierre, F3WT
> > >
> > >
> > --- In orion565@yahoogroups.com, Barry N1EU wrote:
> > > >
> > > The only solution I know available (there may be others I don't know of)
> > is
> > > TRX-Manager which includes a TRX-Acom module that will sync the
> > 2000A/2000S
> > > with the rig.
> > > >
> > > 73,
> > > Barry N1EU
> > > >
> > > On Fri, Feb 15, 2013 at 5:59 PM, gmathgen wrote:
> > > >
> > > > **
> > >

> > > >
> > > >
> > > > Has anybody in the group succeeded in making ACOM's automatic CAT
> > function
> > > > work with the ORION?
> > > > I would be interested to know the cable arrangement.
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9183. Re: [orion565] Re: ORION and ACOM 2000A

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-17 00:56:27 UTC
From: Barry N1EU
Topic: 9172 Message: 9183

Here's a screenshot of transceiver setup showing Orion etc:

http://goo.gl/eyDyz

73,
Barry N1EU

On Sun, Feb 17, 2013 at 12:43 AM, Georges Mathgen <gmathgen@...> wrote:

> Hi Barry,
>
> I agree for the Eagle, but I cannot find the Orion either, at least not in
> the Demo version.
>
> 73
> George, LX1BB
>
>
> On Feb 16, 2013, at 10:12 PM, Barry N1EU <barry.n1eu@...> wrote:
>
> > Pierre, I run the latest US version. Not only does it have the Orion, it
> > has the Eagle as well.
> >
> > 73,
> > Barry N1EU
> >
> > On Sat, Feb 16, 2013 at 7:53 PM, pierre_rothenburger
> > f3wt@...>wrote:
> >
> > > **
> > >
> > >
> > > Barry,
> > > Just downloaded TRX-Manager (French vers.) intending to run my O1
> during
> > > current ARRL-test.
> > > Plenty Omni's , one generic Ten Tec option to choose from - but no
> Orion!
> > > Is the US vers doing it?(before I download again)
> > > 73,
> > > Pierre, F3WT
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> > > --- In orion565@yahoogroups.com, Barry N1EU wrote:
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> > > > The only solution I know available (there may be others I don't know

> of)
> > > is
> > > > TRX-Manager which includes a TRX-Acom module that will sync the
> > > 2000A/2000S
> > > > with the rig.
> > > >
> > > > 73,
> > > > Barry N1EU
> > > >
> > > > On Fri, Feb 15, 2013 at 5:59 PM, gmathgen wrote:
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> > > > > >
> > > > > Has anybody in the group succeeded in making ACOM's automatic CAT
> > > function
> > > > > work with the ORION?
> > > > > I would be interested to know the cable arrangement.
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9184. Orion I - Serial port

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-17 03:27:04 UTC
From: Steve
Topic: 9184 Message: 9184

How do I get Orion to talk to computer.
Have tried with Windows XP-pro and Windows 7-pro (64bit) machines with straight thru DB9 cable on XP box and with new Keyspan HS19 USB converter on Win7 box. But no luck.
I think I've read every post that came up when scanning for 'serial' in this group. Looks like others have had the problem as well.
But how does one get it to worK?
Thanks de Steve AA0P

9185. Re: [orion565] Recorder

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-17 03:33:20 UTC
From: Sam W Jacobs CET
Topic: 9181 Message: 9185

I use the line out set to "high" and feed my computer audio card's line input, and record it with my favorite computer audio program called "Rip, Edit, Burn". Although this is a paid program there are many out that are freeware or shareware.

I also have a mixer that is between the radio and the computer, but that's not needed. A simple RCA to mini-phone plug cable will work to connect the radio to the computer.

This way I can save QSO's to my hard drive, email them to friends so they can hear their audio, burn them to disc for my records, play them at parties, sell them on late night cable tv, or whatever floats my boat. But wait, there's more ...

73 !

Sam
K3SAM

From: "jack@w9owo.com" <jack@...>
To: orion565@yahoogroups.com
Sent: Saturday, February 16, 2013 6:07 PM
Subject: Re: [orion565] Recorder

If you set the "Line Out" connection to "Low," you can use the line out to feed your recorder microphone input. A small cassette recorder works just fine.
73,
Jack-W9OWO

-------Original Message-------
From: Peter Rogers
To: orion565@yahoogroups.com
Subject: [orion565] Recorder
Sent: Feb 16 '13 5:01pm

Is there a way I can install a tape recorder to my Ten-Tec Orion II, to catch the call signs from a qso? People talk to fast for me to catch them. thank you. 73 ve3etr

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

9186. Re: [orion565] Recorder

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-17 03:37:29 UTC
From: Peter
Topic: 9181 Message: 9186

Thanks Jack, w9owo,
I will try it out. Also did not know I had to go into the menu. Thanks for your help.
73
Peter ve3etr

Peter Rogers
Irritating everybody since 1944
VE3ETR VE3ZZV

On 2013-02-16, at 18:07, <jack@...> wrote:

> If you set the "Line Out" connection to "Low," you can use the line out to
> feed your recorder microphone input. A small cassette recorder works just
> fine.
> 73,
> Jack-W9OWO
>
> -------Original Message-------
> From: Peter Rogers
> To: orion565@yahoogroups.com
> Subject: [orion565] Recorder
> Sent: Feb 16 '13 5:01pm
>
> Is there a way I can install a tape recorder to my Ten-Tec Orion II, to
> catch the call signs from a qso? People talk to fast for me to catch them.
> thank you. 73 ve3etr
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

9187. Re: Orion I - Serial port

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-17 04:14:27 UTC
From: Jorge Molina
Topic: 9184 Message: 9187

I had a similar problem with my HRD, I had to select the Eagle model to get it to talk to my pc and then I switched back to the Orion and it's been working fine.

--- In orion565@yahoogroups.com, "Steve" <aa0pmail@...> wrote:
>
> How do I get Orion to talk to computer.
> Have tried with Windows XP-pro and Windows 7-pro (64bit) machines with straight thru DB9 cable on XP box and with new Keyspan HS19 USB converter on Win7 box. But no luck.
> I think I've read every post that came up when scanning for 'serial' in this group. Looks like others have had the problem as well.
> But how does one get it to worK?
> Thanks de Steve AA0P
>

9188. Re: Orion I - Serial port

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-17 06:42:02 UTC
From: pa1ap
Topic: 9184 Message: 9188

There is a serial test program which will test the communication including cts wire. But I dont know if it still works for windows 7 /8.

The straight through cable needs besides rx and tx also the cts/rts (pin 4/5) wires to be connected. Without cts the computer will not be able to send data to the orion. Please double check that.

One thing to be alert on is static discharge to the rig. Please ensure the computer shares the same ground with orion to avoid blowing up the serial controller chip. Ensure common ground prior to connecting serial cable.

Using windows serial terminal program: speed at 57600, no parity, 8 bits and hardwared handshake. Once connected to orion, switch off orion and switch on again. The orion will boot and send out a command over the connected serial connection. This way you can check if the orion will send something to you. After that try sending a command: ?V

Let us know how it goes. Most cases I found the cable to be faulty or the serial usb driver was not installed.

Hope this helps and best regards,
Onno

--- In orion565@yahoogroups.com, "Steve" <aa0pmail@...> wrote:
>
> How do I get Orion to talk to computer.
> Have tried with Windows XP-pro and Windows 7-pro (64bit) machines with straight thru DB9 cable on XP box and with new Keyspan HS19 USB converter on Win7 box. But no luck.
> I think I've read every post that came up when scanning for 'serial' in this group. Looks like others have had the problem as well.
> But how does one get it to worK?
> Thanks de Steve AA0P
>

9189. RE: [orion565] Re: ORION and ACOM 2000A

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-17 14:15:56 UTC
From: Andrew B. Steen
Topic: 9172 Message: 9189

Yes.

I built one to interface the O II to an Ameritron ALS 1300.

Works like a charm.

I am sure it could be used with other amps/

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Friday, February 15, 2013 10:47 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: ORION and ACOM 2000A

Would it be usefulll ffor orion owners to have a standalone controller box which can handle the Orion band connector and translate the status to any linear through various conversions including serial control? Does such device exist already?

Regards, Onno
--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , Barry N1EU wrote:
>
> This question might be better asked in the Acom Yahoo group.
>
> 73,
> Barry N1EU
>
> On Fri, Feb 15, 2013 at 5:59 PM, gmathgen wrote:
>
> > **
> >
> >
> > Has anybody in the group succeeded in making ACOM's automatic CAT function
> > work with the ORION?
> > I would be interested to know the cable arrangement.
> >
> >
> >
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>
> [Non-text portions of this message have been removed]

>

[Non-text portions of this message have been removed]

9190. Re: [orion565] Re: Orion I - Serial port

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-17 14:53:23 UTC
From: <jack@...>
Topic: 9184 Message: 9190

To Jorge,

I can't thank you enough for your tip. I have been struggling with this issue for days. I used HRD on my Win 7 computer with no problem but when I switched to my new Win 8 machine, it wouldn't "read." I never thought to ask HRD to set up the "wrong" radio! I hope this helps Steve, as well.

73,
Jack-W9OWO

-------Original Message-------
From: Jorge Molina
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion I - Serial port
Sent: Feb 16 '13 11:14pm

I had a similar problem with my HRD, I had to select the Eagle model to get it to talk to my pc and then I switched back to the Orion and it's been working fine.

--- In [LINK: mailto:orion565%40yahoogroups.com] orion565@yahoogroups.com, "Steve" wrote:
>
> How do I get Orion to talk to computer.
> Have tried with Windows XP-pro and Windows 7-pro (64bit) machines with straight thru DB9 cable on XP box and with new Keyspan HS19 USB converter on Win7 box. But no luck.
> I think I've read every post that came up when scanning for 'serial' in this group. Looks like others have had the problem as well.
> But how does one get it to worK?
> Thanks de Steve AA0P
>

[Non-text portions of this message have been removed]

9191. RE: [orion565] Re: ORION and ACOM 2000A

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-17 15:07:06 UTC
From: <jack@...>
Topic: 9184 Message: 9191

I would have purchased such a "universal" band data converter.
73,
Jack-W9OWO

-------Original Message-------
From: Andrew B. Steen
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: ORION and ACOM 2000A
Sent: Feb 17 '13 9:15am

Yes.

I built one to interface the O II to an Ameritron ALS 1300.

Works like a charm.

I am sure it could be used with other amps/

Andrew

K6STN

From: [LINK: mailto:orion565%40yahoogroups.com] orion565@yahoogroups.com
[mailto:[LINK: mailto:orion565%40yahoogroups.com] orion565@yahoogroups.com]
On Behalf
Of pa1ap
Sent: Friday, February 15, 2013 10:47 PM
To: [LINK: mailto:orion565%40yahoogroups.com] orion565@yahoogroups.com
Subject: [orion565] Re: ORION and ACOM 2000A

Would it be usefulll ffor orion owners to have a standalone controller
box
which can handle the Orion band connector and translate the status to any
linear through various conversions including serial control? Does such
device exist already?

Regards, Onno
--- In [LINK: mailto:orion565%40yahoogroups.com] orion565@yahoogroups.com
, Barry
N1EU wrote:
>
> This question might be better asked in the Acom Yahoo group.
>
> 73,
> Barry N1EU
>
> On Fri, Feb 15, 2013 at 5:59 PM, gmathgen wrote:

>
> > **
> >
> >
> > Has anybody in the group succeeded in making ACOM's automatic CAT
function
> > work with the ORION?
> > I would be interested to know the cable arrangement.
> >
> >
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> [Non-text portions of this message have been removed]
>

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[Non-text portions of this message have been removed]

9192. Re: Orion I - Serial port

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-17 16:09:55 UTC
From: kd4jm
Topic: 9184 Message: 9192

To Jack,

I'm glad that this solved your problem, believe me it took about one week to figure this one out. That's why when i saw your post i replied.

73,

Jorge
--- In orion565@yahoogroups.com, <jack@...> wrote:
>
> To Jorge,
>
>
> I can't thank you enough for your tip. I have been struggling with this
> issue for days. I used HRD on my Win 7 computer with no problem but when I
> switched to my new Win 8 machine, it wouldn't "read." I never thought to
> ask HRD to set up the "wrong" radio! I hope this helps Steve, as well.
>
>
> 73,
> Jack-W9OWO
>
>
> -------Original Message-------
> From: Jorge Molina
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Orion I - Serial port
> Sent: Feb 16 '13 11:14pm
>
>
> I had a similar problem with my HRD, I had to select the Eagle model to get
> it to talk to my pc and then I switched back to the Orion and it's been
> working fine.
>
> --- In [LINK: mailto:orion565%40yahoogroups.com]
> orion565@yahoogroups.com, "Steve" wrote:
> >
> > How do I get Orion to talk to computer.
> > Have tried with Windows XP-pro and Windows 7-pro (64bit) machines with
> straight thru DB9 cable on XP box and with new Keyspan HS19 USB converter
> on Win7 box. But no luck.
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> this group. Looks like others have had the problem as well.
> > But how does one get it to worK?
> > Thanks de Steve AA0P
> >

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> [Non-text portions of this message have been removed]
>

9193. Re: Orion I - Serial port

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-18 02:14:16 UTC
From: Steve
Topic: 9184 Message: 9193

This works for me!
Now I have to get more familiar with all the features of HRD.
Thanks very much.
73 de Steve - AA0P

--- In orion565@yahoogroups.com, "Jorge Molina" <kd4jm@...> wrote:
>
> I had a similar problem with my HRD, I had to select the Eagle model to get it to talk to my pc and then I switched back to the Orion and it's been working fine.
>
> --- In orion565@yahoogroups.com, "Steve" <aa0pmail@> wrote:
> >
> > How do I get Orion to talk to computer.
> > Have tried with Windows XP-pro and Windows 7-pro (64bit) machines with straight thru DB9 cable on XP box and with new Keyspan HS19 USB converter on Win7 box. But no luck.
> > I think I've read every post that came up when scanning for 'serial' in this group. Looks like others have had the problem as well.
> > But how does one get it to worK?
> > Thanks de Steve AA0P
> >
>

9194. Orion 565 Power Relay Location

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-18 15:13:36 UTC
From: George
Topic: 9194 Message: 9194

I've been having problems turning on my Orion 565. Sometimes it would take five tries before the rig came on, sometimes it would start on the first try. Initially I suspected the power switch. I replaced it but the problem continued.
I kept reading about capacitor problems on the A9 power distribution board. In 2011 I had the rig at Ten Tec because of another problem. At that time I also asked that any improvements be installed while the rig was at the factory.
I made a call to Ten Tec concerning the power-on problem about a week ago and mentioned the possible capacitor problem as the cause of my problem. I was told that my A9 board was updated in 2011, hence it was thought not to be the cause. And because I mentioned that I hear clicks when I try to turn the set on and off, the technician suggested that the it may be a relay problem and I should first try cleaning the relay.
I thought the relay was on the A9 board, but I couldn't find it, and I didn't see any on an Orion II schematic in Ten TecWiki.
I also checked the power connection coming from my Astron transformer. The contacts were clean.
So, could someone please let me know the location of the relay, and/or suggest a possible fix. Also, where could I find a schematic for the 565.

Thanking in advance,

Electronically Challenged George, KE4HW

9195. No Ten Tec ads in QST and CQ magazine?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-18 15:31:27 UTC
From: k7fd
Topic: 9195 Message: 9195

I was looking for a Ten Tec print ad in March QST and my February CQ but couldn't find them. I find Ten Ten International but no Ten Tec...

I haven't checked the digital editions of the magazine, maybe they're in those...

73 John K7FD

9196. Re: [orion565] No Ten Tec ads in QST and CQ magazine?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-18 16:04:52 UTC
From: W3ETC
Topic: 9195 Message: 9196

I just have a strange feeling all is not right in Sevierville. No ads, no show participation. Hope I am wrong.

Ed W3ETC

From: k7fd <wolfmanjack@...>
To: orion565@yahoogroups.com
Sent: Monday, February 18, 2013 10:31 AM
Subject: [orion565] No Ten Tec ads in QST and CQ magazine?

I was looking for a Ten Tec print ad in March QST and my February CQ but couldn't find them. I find Ten Ten International but no Ten Tec...

I haven't checked the digital editions of the magazine, maybe they're in those...

73 John K7FD

[Non-text portions of this message have been removed]

9197. Re: [orion565] No Ten Tec ads in QST and CQ magazine?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-18 18:52:36 UTC
From: va3dwi@...
Topic: 9195 Message: 9197

Hi all,

This is getting to be a nuisance. You all are like a bunch of spinsters discussing what's wrong with the neighbors because nobody has seen them for awhile.

It's all thoughtless speculating. As John K3UR suggested, call TEN-TEC directly and get it from the horses mouth instead of wasting bandwidth. I'm putting my flame proof suit on now.

73, Tony VE3DWI.

Sent wirelessly from my BlackBerry

-----Original Message-----
From: W3ETC <w3etc@...>
Sender: orion565@yahoogroups.com
Date: Mon, 18 Feb 2013 08:04:52
To: orion565@yahoogroups.com<orion565@yahoogroups.com>
Reply-To: orion565@yahoogroups.com
Subject: Re: [orion565] No Ten Tec ads in QST and CQ magazine?

I just have a strange feeling all is not right in Sevierville. No ads, no show participation. Hope I am wrong.

Ed W3ETC

From: k7fd <wolfmanjack@...>
To: orion565@yahoogroups.com
Sent: Monday, February 18, 2013 10:31 AM
Subject: [orion565] No Ten Tec ads in QST and CQ magazine?

I was looking for a Ten Tec print ad in March QST and my February CQ but couldn't find them. I find Ten Ten International but no Ten Tec...

I haven't checked the digital editions of the magazine, maybe they're in those...

73 John K7FD

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9198. Orion II For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-18 19:22:25 UTC
From: Richard Cash W4WU
Topic: 9195 Message: 9198

I thought that I'd offer this to this group before listing elsewhere:
Mint Orion II with all filters except the 300
Matching 709b speaker
302 Encoder/Keypad
712 Digital Adapter Cable
All items have the original boxes and manuals and all are in mint condition with no problems. The Orion II has the Clifton Labs buffer amp installed for the LP-Pan System. I also have the LP-Pan setup for an additional $300.
Package sale only $3300 shipped Fedex in US.
Respond to this email or call Dick W4WU 8644634205. Pickup in upstate SC.

9199. Re: [orion565] No Ten Tec ads in QST and CQ magazine?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-18 19:25:04 UTC
From: Michael Carter
Topic: 9195 Message: 9199

Tony, you're right. "... me, me, me... But enough about me lets talk about me." I'm 62 and they sound like a bunch of gossipy old women. "THE SKY IS FALLING... THE SKY IS FALLING" source: Chicken Little
I love Ten-Tec and wish them all the best, period.
Where are all the "glass half full" hams...

Mike NT5DX

On Monday, February 18, 2013, wrote:

> **
>
>
> Hi all,
>
> This is getting to be a nuisance. You all are like a bunch of spinsters
> discussing what's wrong with the neighbors because nobody has seen them for
> awhile.
>
> It's all thoughtless speculating. As John K3UR suggested, call TEN-TEC
> directly and get it from the horses mouth instead of wasting bandwidth. I'm
> putting my flame proof suit on now.
>
> 73, Tony VE3DWI.
>
>
> Sent wirelessly from my BlackBerry
>
> -----Original Message-----
> From: W3ETC w3etc@... <javascript:_e({}, 'cvml',
> 'w3etc%40yahoo.com');>>
> Sender: orion565@yahoogroups.com <javascript:_e({}, 'cvml',
> 'orion565%40yahoogroups.com');>
> Date: Mon, 18 Feb 2013 08:04:52
> To: orion565@yahoogroups.com <javascript:_e({}, 'cvml',
> 'orion565%40yahoogroups.com');>orion565@yahoogroups.com<javascript:_e({}, 'cvml',
'orion565%40yahoogroups.com');>>
>
> Reply-To: orion565@yahoogroups.com <javascript:_e({}, 'cvml',
> 'orion565%40yahoogroups.com');>
> Subject: Re: [orion565] No Ten Tec ads in QST and CQ magazine?
>
> I just have a strange feeling all is not right in Sevierville. No ads, no
> show participation. Hope I am wrong.
>
> Ed W3ETC

>
> From: k7fd wolfmanjack@... <javascript:_e({}, 'cvml',
> 'wolfmanjack%40charter.net');>>
> To: orion565@yahoogroups.com <javascript:_e({}, 'cvml',
> 'orion565%40yahoogroups.com');>
> Sent: Monday, February 18, 2013 10:31 AM
> Subject: [orion565] No Ten Tec ads in QST and CQ magazine?
>
>
> I was looking for a Ten Tec print ad in March QST and my February CQ but
> couldn't find them. I find Ten Ten International but no Ten Tec...
>
> I haven't checked the digital editions of the magazine, maybe they're in
> those...
>
> 73 John K7FD
>
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> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

9200. Re: [orion565] No Ten Tec ads in QST and CQ magazine?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-18 19:47:07 UTC
From: Richard
Topic: 9195 Message: 9200

Matt please cite Chicken Little quote. Date of publication and page number.

C. Richard Pumphrey

NOTICE: It is okay to print this email. Paper is a plentiful, biodegradable, renewable, recyclable, sustainable product made from trees that provide jobs and income for millions of Americans. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

On Feb 18, 2013, at 2:25 PM, Michael Carter <nt5dx.ham@...> wrote:

> Tony, you're right. "... me, me, me... But enough about me lets talk about
> me." I'm 62 and they sound like a bunch of gossipy old women. "THE SKY IS
> FALLING... THE SKY IS FALLING" source: Chicken Little
> I love Ten-Tec and wish them all the best, period.
> Where are all the "glass half full" hams...
>
> Mike NT5DX
>
> On Monday, February 18, 2013, wrote:
>
>> **
>>
>>
>> Hi all,
>>
>> This is getting to be a nuisance. You all are like a bunch of spinsters
>> discussing what's wrong with the neighbors because nobody has seen them for
>> awhile.
>>
>> It's all thoughtless speculating. As John K3UR suggested, call TEN-TEC
>> directly and get it from the horses mouth instead of wasting bandwidth. I'm
>> putting my flame proof suit on now.
>>
>> 73, Tony VE3DWI.
>>
>>
>> Sent wirelessly from my BlackBerry
>>
>> -----Original Message-----
>> From: W3ETC w3etc@... <javascript:_e({}, 'cvml',
>> 'w3etc%40yahoo.com');>>
>> Sender: orion565@yahoogroups.com <javascript:_e({}, 'cvml',
>> 'orion565%40yahoogroups.com');>
>> Date: Mon, 18 Feb 2013 08:04:52
>> To: orion565@yahoogroups.com <javascript:_e({}, 'cvml',

>> 'orion565%40yahoogroups.com');>orion565@yahoogroups.com<javascript:_e({}, 'cvml',
'orion565%40yahoogroups.com');>>
>>
>> Reply-To: orion565@yahoogroups.com <javascript:_e({}, 'cvml',
>> 'orion565%40yahoogroups.com');>
>> Subject: Re: [orion565] No Ten Tec ads in QST and CQ magazine?
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>> I just have a strange feeling all is not right in Sevierville. No ads, no
>> show participation. Hope I am wrong.
>>
>> Ed W3ETC
>>
>> From: k7fd wolfmanjack@... <javascript:_e({}, 'cvml',
>> 'wolfmanjack%40charter.net');>>
>> To: orion565@yahoogroups.com <javascript:_e({}, 'cvml',
>> 'orion565%40yahoogroups.com');>
>> Sent: Monday, February 18, 2013 10:31 AM
>> Subject: [orion565] No Ten Tec ads in QST and CQ magazine?
>>
>>
>> I was looking for a Ten Tec print ad in March QST and my February CQ but
>> couldn't find them. I find Ten Ten International but no Ten Tec...
>>
>> I haven't checked the digital editions of the magazine, maybe they're in
>> those...
>>
>> 73 John K7FD
>>
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>> [Non-text portions of this message have been removed]
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>> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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>
> Yahoo! Groups Links
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9201. Re: [orion565] No Ten Tec ads in QST and CQ magazine?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-18 19:49:32 UTC
From: Barry N1EU
Topic: 9195 Message: 9201

On Mon, Feb 18, 2013 at 6:52 PM, <va3dwi@...> wrote:

> **
> I'm putting my flame proof suit on now.
>
>
No need Tony, well stated.

73,
Barry N1EU

[Non-text portions of this message have been removed]

9202. Re: [orion565] No Ten Tec ads in QST and CQ magazine?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-18 20:09:58 UTC
From: tnnyswy@...
Topic: 9195 Message: 9202

Gotta agree with you Tony, the QRM is is horrible.

((((73)))) Milverton.

>_____
> From: "va3dwi@..." <va3dwi@gmail.com>
>To: orion565@yahoogroups.com
>Sent: Monday, February 18, 2013 12:52 PM
>Subject: Re: [orion565] No Ten Tec ads in QST and CQ magazine?
>
>
>
>Hi all,
>
>This is getting to be a nuisance. You all are like a bunch of spinsters discussing what's wrong with the neighbors because nobody has seen them for awhile.
>
>It's all thoughtless speculating. As John K3UR suggested, call TEN-TEC directly and get it from the horses mouth instead of wasting bandwidth. I'm putting my flame proof suit on now.
>
>73, Tony VE3DWI.
>
>
>Sent wirelessly from my BlackBerry
>
>-----Original Message-----
>From: W3ETC w3etc@...>
>Sender: orion565@yahoogroups.com
>Date: Mon, 18 Feb 2013 08:04:52
>To: orion565@yahoogroups.comorion565@yahoogroups.com>
>Reply-To: orion565@yahoogroups.com
>Subject: Re: [orion565] No Ten Tec ads in QST and CQ magazine?
>
>I just have a strange feeling all is not right in Sevierville. No ads, no show participation. Hope I am wrong.
>
>Ed W3ETC
>
>From: k7fd wolfmanjack@charter.net>
>To: orion565@yahoogroups.com
>Sent: Monday, February 18, 2013 10:31 AM
>Subject: [orion565] No Ten Tec ads in QST and CQ magazine?
>
>
>I was looking for a Ten Tec print ad in March QST and my February CQ but couldn't find

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>I haven't checked the digital editions of the magazine, maybe they're in those...
>
>73 John K7FD
>
>
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>
>[Non-text portions of this message have been removed]
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>[Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

9203. Re: No Ten Tec ads in QST and CQ magazine?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-19 15:09:48 UTC
From: saukp
Topic: 9195 Message: 9203

actually i think he saw it as a 'tweet' out on twitter world ;-)

paul k3sf

--- In orion565@yahoogroups.com, Richard <wn9ddv@...> wrote:
>
> Matt please cite Chicken Little quote. Date of publication and page number.
>
> C. Richard Pumphrey
>

9204. Re: [orion565] Orion 565 Power Relay Location

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-19 15:43:29 UTC
From: Sam W Jacobs CET
Topic: 9194 Message: 9204

Personally I would forget about the relay and go back to the A9 board.
Even if it was updated in 2011, I've had 5 of those go back SINCE 2011.
I keep one (1) on hand all the time just for the next time it goes bad.

My 2 cents.

73 !

Sam
K3SAM

From: George <gliepins@...>
To: orion565@yahoogroups.com
Sent: Monday, February 18, 2013 10:13 AM
Subject: [orion565] Orion 565 Power Relay Location

I've been having problems turning on my Orion 565. Sometimes it would take five tries before the rig came on, sometimes it would start on the first try. Initially I suspected the power switch. I replaced it but the problem continued.
I kept reading about capacitor problems on the A9 power distribution board. In 2011 I had the rig at Ten Tec because of another problem. At that time I also asked that any improvements be installed while the rig was at the factory.
I made a call to Ten Tec concerning the power-on problem about a week ago and mentioned the possible capacitor problem as the cause of my problem. I was told that my A9 board was updated in 2011, hence it was thought not to be the cause. And because I mentioned that I hear clicks when I try to turn the set on and off, the technician suggested that the it may be a relay problem and I should first try cleaning the relay.
I thought the relay was on the A9 board, but I couldn't find it, and I didn't see any on an Orion II schematic in Ten TecWiki.
I also checked the power connection coming from my Astron transformer. The contacts were clean.
So, could someone please let me know the location of the relay, and/or suggest a possible fix. Also, where could I find a schematic for the 565.

Thanking in advance,

Electronically Challenged George, KE4HW

[Non-text portions of this message have been removed]

9205. Re: Orion 565 Power Relay Location

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-19 15:54:37 UTC
From: jhowardsmith234
Topic: 9194 Message: 9205

Hi George,

The Orion and Orion II have over-voltage protection circuitry on the 13.8V power input. If your power supply would happen to exceed a little over +16V DC, the relay is held in the off state by that circuitry, and the power switch will have no effect. Sometimes a power supply with virtually no load will present a higher than rated voltage, and this could be your problem. An easy way to confirm that the relay has closed is to look at the +13.8 VDC output that appears on an RCA Jack on the rear panel. If the voltage is present, then the relay has closed.

The relay in question, K1, is located on the A0 board, which is mounted vertically on the back panel.

Howard Smith, WA9AXQ

Disclosure:
I am an Orion beta tester, and I have signed a Non-Disclosure Agreement with Ten-Tec, Inc. to provide firmware updates to Ten-Tec for the Orion 565 Transceiver.

--- In orion565@yahoogroups.com, "George" <gliepins@...> wrote:
>
> I've been having problems turning on my Orion 565. Sometimes it would take five tries before the rig came on, sometimes it would start on the first try. Initially I suspected the power switch. I replaced it but the problem continued.
> I kept reading about capacitor problems on the A9 power distribution board. In 2011 I had the rig at Ten Tec because of another problem. At that time I also asked that any improvements be installed while the rig was at the factory.
> I made a call to Ten Tec concerning the power-on problem about a week ago and mentioned the possible capacitor problem as the cause of my problem. I was told that my A9 board was updated in 2011, hence it was thought not to be the cause. And because I mentioned that I hear clicks when I try to turn the set on and off, the technician suggested that the it may be a relay problem and I should first try cleaning the relay.
> I thought the relay was on the A9 board, but I couldn't find it, and I didn't see any on an Orion II schematic in Ten TecWiki.
> I also checked the power connection coming from my Astron transformer. The contacts were clean.
> So, could someone please let me know the location of the relay, and/or suggest a possible fix. Also, where could I find a schematic for the 565.
>
> Thanking in advance,
>
> Electronically Challenged George, KE4HW
>

9206. Re: Orion 565 Power Relay Location

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-19 16:39:34 UTC
From: kc2qma
Topic: 9194 Message: 9206

5 A9 boards in 2 years? Sounds to me like you may have something wrong in your setup. Maybe your power supply has dirty DC or overvoltage or very high shack temps?
Just seems like a very high failure rate to me?
john

--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> Personally I would forget about the relay and go back to the A9 board.
> Even if it was updated in 2011, I've had 5 of those go back SINCE 2011.
> I keep one (1) on hand all the time just for the next time it goes bad.
>
>
> My 2 cents.
>
> Â
> 73 !
>
> Sam
> K3SAM
>
>
>
> _____
> From: George <gliepins@...>
> To: orion565@yahoogroups.com
> Sent: Monday, February 18, 2013 10:13 AM
> Subject: [orion565] Orion 565 Power Relay Location
>
>
> Â
> I've been having problems turning on my Orion 565. Sometimes it would take five tries before the rig came on, sometimes it would start on the first try. Initially I suspected the power switch. I replaced it but the problem continued.
> I kept reading about capacitor problems on the A9 power distribution board. In 2011 I had the rig at Ten Tec because of another problem. At that time I also asked that any improvements be installed while the rig was at the factory.
> I made a call to Ten Tec concerning the power-on problem about a week ago and mentioned the possible capacitor problem as the cause of my problem. I was told that my A9 board was updated in 2011, hence it was thought not to be the cause. And because I mentioned that I hear clicks when I try to turn the set on and off, the technician suggested that the it may be a relay problem and I should first try cleaning the relay.
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> I also checked the power connection coming from my Astron transformer. The contacts were clean.

> So, could someone please let me know the location of the relay, and/or suggest a possible fix. Also, where could I find a schematic for the 565.
>
> Thanking in advance,
>
> Electronically Challenged George, KE4HW
>
>
>
>
> [Non-text portions of this message have been removed]
>

9207. Re: Orion 565 Power Relay Location

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-19 19:01:57 UTC
From: k1fpv
Topic: 9194 Message: 9207

No! Sam is right! I too have had a number of times, the caps on the A9 board went south on me. The first 2 times, I didn't use Low ESR caps and they didn't last a year. With Low ESR Caps, they have lasted an average of 2 1/2 years each.

I now keep 2 sets of spares in my parts supply (6 caps). :-) No, it isn't the power supply as I've tried multiple supplies, both switchers and linear. Same results!

Bill/K1FPV

--- In orion565@...m, "kc2qma" <john-m-junk@...> wrote:
>
> 5 A9 boards in 2 years? Sounds to me like you may have something wrong in your setup. Maybe your power supply has dirty DC or overvoltage or very high shack temps?
> Just seems like a very high failure rate to me?
> john
>
> --- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@> wrote:
> >
> > Personally I would forget about the relay and go back to the A9 board.
> > Even if it was updated in 2011, I've had 5 of those go back SINCE 2011.
> > I keep one (1) on hand all the time just for the next time it goes bad.
> >
> >
> > My 2 cents.
> >
> > Â
> > 73 !
> >
> > Sam
> > K3SAM
> >
> >
> >
> > _____
> > From: George <gliepins@>
> > To: orion565@yahoogroups.com
> > Sent: Monday, February 18, 2013 10:13 AM
> > Subject: [orion565] Orion 565 Power Relay Location
> >
> >
> > Â
> > I've been having problems turning on my Orion 565. Sometimes it would take five tries before the rig came on, sometimes it would start on the first try. Initially I suspected the power switch. I replaced it but the problem continued.
> > I kept reading about capacitor problems on the A9 power distribution board. In 2011 I had the rig at Ten Tec because of another problem. At that time I also asked that any

improvements be installed while the rig was at the factory.
> > I made a call to Ten Tec concerning the power-on problem about a week ago and mentioned the possible capacitor problem as the cause of my problem. I was told that my A9 board was updated in 2011, hence it was thought not to be the cause. And because I mentioned that I hear clicks when I try to turn the set on and off, the technician suggested that the it may be a relay problem and I should first try cleaning the relay.
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> > I also checked the power connection coming from my Astron transformer. The contacts were clean.
> > So, could someone please let me know the location of the relay, and/or suggest a possible fix. Also, where could I find a schematic for the 565.
> >
> > Thanking in advance,
> >
> > Electronically Challenged George, KE4HW
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

9208. Re: [orion565] No Ten Tec ads in QST and CQ magazine?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-19 20:21:17 UTC
From: Michael Carter
Topic: 9195 Message: 9208

source is Wikipedia:

Henny Penny, also known as *Chicken Licken* or *Chicken Little*, is a folk tale <http://en.wikipedia.org/wiki/Folklore> with a moral in the form of a cumulative tale <http://en.wikipedia.org/wiki/Cumulative_tale> about a chicken<http://en.wikipedia.org/wiki/Chicken> who believes the world is coming to an end. The phrase "*The sky is falling!*" features prominently in the story, and has passed into the English language as a common idiom indicating a hysterical<http://en.wikipedia.org/wiki/Hysteria> or mistaken belief that disaster is imminent. Versions of the story go back more than 25 centuries and it continues to be referenced in a variety of media.

On Tuesday, February 19, 2013, saukp wrote:

> **
>
>
>
>
> actually i think he saw it as a 'tweet' out on twitter world ;-)
>
> paul k3sf
>
> --- In orion565@yahoogroups.com <javascript:_e({}, 'cvml',
> 'orion565%40yahoogroups.com');>, Richard wrote:
> >
> > Matt please cite Chicken Little quote. Date of publication and page
> number.
> >
> > C. Richard Pumphrey
> >
>
>
>

[Non-text portions of this message have been removed]

9209. Re: [orion565] No Ten Tec ads in QST and CQ magazine?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-19 21:06:13 UTC
From: wolfmanjack@...
Topic: 9195 Message: 9209

For all you Chicken Little's out there, I have a new straight key
projector just for you...the Red Rooster CW Clucker...

http://www.youtube.com/watch?v=xWJZtrmI74U

73 John K7FD

On Tue, Feb 19, 2013 at 12:21 PM, Michael Carter wrote:

> source is Wikipedia:
>
> *Henny Penny*, also known as *Chicken Licken* or *Chicken Little*, is
> a folk
> tale <http://en.wikipedia.org/wiki/Folklore> with a moral in the form
> of a cumulative
> tale <http://en.wikipedia.org/wiki/Cumulative_tale> about a
> chicken<http://en.wikipedia.org/wiki/Chicken> who
> believes the world is coming to an end. The phrase "*The sky is
> falling!*"
> features prominently in the story, and has passed into the English
> language
> as a common idiom indicating a
> hysterical<http://en.wikipedia.org/wiki/Hysteria> or
> mistaken belief that disaster is imminent. Versions of the story go
> back
> more than 25 centuries and it continues to be referenced in a variety
> of
> media.
>
> On Tuesday, February 19, 2013, saukp wrote:
>
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>>
>> actually i think he saw it as a 'tweet' out on twitter world ;-)
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>> paul k3sf
>>
>> --- In orion565@yahoogroups.com <javascript:_e({}, 'cvml',
>> 'orion565%40yahoogroups.com');>, Richard wrote:
>>>
>>> Matt please cite Chicken Little quote. Date of publication and page
>> number.
>>>

>>> C. Richard Pumphrey
>>>
>>
>>
>
>
> [Non-text portions of this message have been removed]
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>
> Yahoo! Groups Links
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9210. Re: [orion565] Re: Subject Change!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-19 21:35:15 UTC
From: Sam W Jacobs CET
Topic: 9160 Message: 9210

You forgot the bonus doubler, if you do 1., 2., 3. or 4. without help (as in all-by-yourself !). Plus if all 4 happen and you are by yourself, then that is worth +24dB.

73 !

Sam
K3SAM

From: "Mike, K9UW" <k9uw@...>
To: orion565@yahoogroups.com
Sent: Thursday, February 14, 2013 8:04 PM
Subject: Re: [orion565] Re: Subject Change!

True. Add another 3 dB if it 1) draws blood, 2) goes up in the dark, or 3) goes up during a blizzard.

Assuming the antennas are connected to a TenTec rig...

73, de Mike, K9UW
Amherst, WI

On 2/14/2013 4:10 PM, Barry N1EU wrote:
>
> They also say that putting up the antenna in winter is worth +3dB
>
> 73,
> Barry N1EU
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9211. Re: Orion 565 Power Relay Location

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-20 01:00:41 UTC
From: kc2qma
Topic: 9194 Message: 9211

WOW I have a 566 OII, maybe the 565's have a problem specific to them? I have had my OII for over a year and haven't had one problem. Now I did do the internal case fan mod, maybe the lower case temps have helped keep the internal components happy?
John

--- In orion565@yahoogroups.com, "k1fpv" <k1fpv@...> wrote:
>
> No! Sam is right! I too have had a number of times, the caps on the A9 board went south on me. The first 2 times, I didn't use Low ESR caps and they didn't last a year. With Low ESR Caps, they have lasted an average of 2 1/2 years each.
>
> I now keep 2 sets of spares in my parts supply (6 caps). :-) No, it isn't the power supply as I've tried multiple supplies, both switchers and linear. Same results!
>
> Bill/K1FPV
>
>
>
> --- In orion565@yahoogroups.com, "kc2qma" <john-m-junk@> wrote:
> >
> > 5 A9 boards in 2 years? Sounds to me like you may have something wrong in your setup. Maybe your power supply has dirty DC or overvoltage or very high shack temps?
> > Just seems like a very high failure rate to me?
> > john
> >
> > --- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@> wrote:
> > >
> > > Personally I would forget about the relay and go back to the A9 board.
> > > Even if it was updated in 2011, I've had 5 of those go back SINCE 2011.
> > > I keep one (1) on hand all the time just for the next time it goes bad.
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> > > My 2 cents.
> > >
> > > Â
> > > 73 !
> > >
> > > Sam
> > > K3SAM
> > >
> > >
> > >
> > > _____
> > > From: George <gliepins@>
> > > To: orion565@yahoogroups.com

> > > Sent: Monday, February 18, 2013 10:13 AM
> > > Subject: [orion565] Orion 565 Power Relay Location
> > >
> > >
> > > Â
> > > I've been having problems turning on my Orion 565. Sometimes it would take five tries before the rig came on, sometimes it would start on the first try. Initially I suspected the power switch. I replaced it but the problem continued.
> > > I kept reading about capacitor problems on the A9 power distribution board. In 2011 I had the rig at Ten Tec because of another problem. At that time I also asked that any improvements be installed while the rig was at the factory.
> > > I made a call to Ten Tec concerning the power-on problem about a week ago and mentioned the possible capacitor problem as the cause of my problem. I was told that my A9 board was updated in 2011, hence it was thought not to be the cause. And because I mentioned that I hear clicks when I try to turn the set on and off, the technician suggested that the it may be a relay problem and I should first try cleaning the relay.
> > > I thought the relay was on the A9 board, but I couldn't find it, and I didn't see any on an Orion II schematic in Ten TecWiki.
> > > I also checked the power connection coming from my Astron transformer. The contacts were clean.
> > > So, could someone please let me know the location of the relay, and/or suggest a possible fix. Also, where could I find a schematic for the 565.
> > >
> > > Thanking in advance,
> > >
> > > Electronically Challenged George, KE4HW
> > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
>

9212. Re: [orion565] Orion II For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-20 14:54:39 UTC
From: Peter
Topic: 9195 Message: 9212

You say that you are going to give the group a shot at buying it before to post it elsewhere!!
You have it on QTH tha same time as for the group? Hardly think this is fair to the group.

Peter Rogers
Irritating everybody since 1944
VE3ETR VE3ZZV

On 2013-02-18, at 14:22, Richard Cash W4WU <w4wu@bellsouth.net> wrote:

> I thought that I'd offer this to this group before listing elsewhere:
> Mint Orion II with all filters except the 300
> Matching 709b speaker
> 302 Encoder/Keypad
> 712 Digital Adapter Cable
> All items have the original boxes and manuals and all are in mint condition with no problems. The Orion II has the Clifton Labs buffer amp installed for the LP-Pan System. I also have the LP-Pan setup for an additional $300.
> Package sale only $3300 shipped Fedex in US.
> Respond to this email or call Dick W4WU 8644634205. Pickup in upstate SC.
>

[Non-text portions of this message have been removed]

9213. Re: Orion II For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-20 15:18:32 UTC
From: kc2qma
Topic: 9195 Message: 9213

Sounds like Peter is ready to buy your Orion...HiHI :)

--- In orion565@yahoogroups.com, Peter <petlin74@...> wrote:
>
> You say that you are going to give the group a shot at buying it before to post it elsewhere!!
> You have it on QTH tha same time as for the group? Hardly think this is fair to the group.
>
> Peter Rogers
> Irritating everybody since 1944
> VE3ETR VE3ZZV
>
> On 2013-02-18, at 14:22, Richard Cash W4WU <w4wu@...> wrote:
>
> > I thought that I'd offer this to this group before listing elsewhere:
> > Mint Orion II with all filters except the 300
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> >
>
>
> [Non-text portions of this message have been removed]
>

9214. Re: [orion565] Re: Orion II For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-20 15:28:41 UTC
From: Peter
Topic: 9195 Message: 9214

Good BIO you have John, I will have my bio up soon! It would be nice to have an Orion II for a second radio, but it is well made and I do not think it will clap out on me. Besides I have a ken wood 870 for a backup.
73
Peter

Peter Rogers
Irritating everybody since 1944
VE3ETR VE3ZZV

On 2013-02-20, at 10:18, "kc2qma" <john-m-junk@...> wrote:

> Sounds like Peter is ready to buy your Orion...HiHI :)
>
> --- In orion565@yahoogroups.com, Peter wrote:
> >
> > You say that you are going to give the group a shot at buying it before to post it elsewhere!!
> > You have it on QTH tha same time as for the group? Hardly think this is fair to the group.
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> > Peter Rogers
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> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>

[Non-text portions of this message have been removed]

9215. Re: Orion 565 Power Relay Location

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-20 17:37:34 UTC
From: k1fpv
Topic: 9194 Message: 9215

Hi John,

Well, that particular problem apparently is common to both the Orion I and the Orion II according to many posts I've seen here over time.

Like I previously mentioned, I replaced the caps with Low ESR type rated at 105 degrees C temperature. It is unlikely that temperature is the cause of the failures but more than likely the high amount of noise that I was able to observe with my scope on the line supposedly being filtered by the caps.

Your fan mod can't hurt unless it has affected the receiver as previously mentioned by John Henry. I have yet to perform that mod on mine. I'm going to look for a very thin fan to put in the place of my speaker. Right now, I'm addressing another problem that just popped up on my Orion II. When using digital modes and the TX audio coming in via the rear accessory plug, I get varying audio levels causing wild changes in output. This occurs only when the audio comes in via the rear plug. I'll most likely take my Orion II apart again in the next day or two so that I can trouble shoot it.

Bill/K1FPV

--- In orion565@yahoogroups.com, "kc2qma" <john-m-junk@...> wrote:
>
> WOW I have a 566 OII, maybe the 565's have a problem specific to them? I have had my OII for over a year and haven't had one problem. Now I did do the internal case fan mod, maybe the lower case temps have helped keep the internal components happy?
> John
>
>
> --- In orion565@yahoogroups.com, "k1fpv" <k1fpv@> wrote:
> >
> > No! Sam is right! I too have had a number of times, the caps on the A9 board went south on me. The first 2 times, I didn't use Low ESR caps and they didn't last a year. With Low ESR Caps, they have lasted an average of 2 1/2 years each.
> >
> > I now keep 2 sets of spares in my parts supply (6 caps). :-) No, it isn't the power supply as I've tried multiple supplies, both switchers and linear. Same results!
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> > Bill/K1FPV
> >
> >
> >
> > --- In orion565@yahoogroups.com, "kc2qma" <john-m-junk@> wrote:
> > >
> > > 5 A9 boards in 2 years? Sounds to me like you may have something wrong in your setup. Maybe your power supply has dirty DC or overvoltage or very high shack temps?
> > > Just seems like a very high failure rate to me?

> > > john
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> > > --- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@> wrote:
> > > >
> > > > Personally I would forget about the relay and go back to the A9 board.
> > > > Even if it was updated in 2011, I've had 5 of those go back SINCE 2011.
> > > > I keep one (1) on hand all the time just for the next time it goes bad.
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> > > > My 2 cents.
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> > > > 73 !
> > > >
> > > > Sam
> > > > K3SAM
> > > >
> > > >
> > > >
> > > > _____
> > > > From: George <gliepins@>
> > > > To: orion565@yahoogroups.com
> > > > Sent: Monday, February 18, 2013 10:13 AM
> > > > Subject: [orion565] Orion 565 Power Relay Location
> > > >
> > > >
> > > > Â
> > > > I've been having problems turning on my Orion 565. Sometimes it would take five tries before the rig came on, sometimes it would start on the first try. Initially I suspected the power switch. I replaced it but the problem continued.
> > > > I kept reading about capacitor problems on the A9 power distribution board. In 2011 I had the rig at Ten Tec because of another problem. At that time I also asked that any improvements be installed while the rig was at the factory.
> > > > I made a call to Ten Tec concerning the power-on problem about a week ago and mentioned the possible capacitor problem as the cause of my problem. I was told that my A9 board was updated in 2011, hence it was thought not to be the cause. And because I mentioned that I hear clicks when I try to turn the set on and off, the technician suggested that the it may be a relay problem and I should first try cleaning the relay.
> > > > I thought the relay was on the A9 board, but I couldn't find it, and I didn't see any on an Orion II schematic in Ten TecWiki.
> > > > I also checked the power connection coming from my Astron transformer. The contacts were clean.
> > > > So, could someone please let me know the location of the relay, and/or suggest a possible fix. Also, where could I find a schematic for the 565.
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> > > > Thanking in advance,
> > > >
> > > > Electronically Challenged George, KE4HW
> > > >
> > > >

> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
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> >
>

9216. Re: [orion565] Re: Orion 565 Power Relay Location

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-21 01:30:39 UTC
From: Sam W Jacobs CET
Topic: 9194 Message: 9216

Bill, I believe you will find that is a product of the software. I was beta testing with John and I think when we hit version 3.026 the rear output RCA jack's audio started doing strange things such as pops, clicks, varying audio and the like.

It helps to have the AN (auto notch) turned off, but you will then hear tuner-uppers.

I do all of my ham audio recording using the REAR RCA AUDIO JACK and it worked great on software versions prior to 3.xxx.

John Henry is up to speed on all of this and intends on more experimenting with the next beta versions.

73 !

Sam
K3SAM

From: k1fpv <k1fpv@...>
To: orion565@yahoogroups.com
Sent: Wednesday, February 20, 2013 12:37 PM
Subject: [orion565] Re: Orion 565 Power Relay Location

Hi John,

Well, that particular problem apparently is common to both the Orion I and the Orion II according to many posts I've seen here over time.

Like I previously mentioned, I replaced the caps with Low ESR type rated at 105 degrees C temperature. It is unlikely that temperature is the cause of the failures but more than likely the high amount of noise that I was able to observe with my scope on the line supposedly being filtered by the caps.

Your fan mod can't hurt unless it has affected the receiver as previously mentioned by John Henry. I have yet to perform that mod on mine. I'm going to look for a very thin fan to put in the place of my speaker. Right now, I'm addressing another problem that just popped up on my Orion II. When using digital modes and the TX audio coming in via the rear accessory plug, I get varying audio levels causing wild changes in output. This occurs only when the audio comes in via the rear plug. I'll most likely take my Orion II apart again in the next day or two so that I can trouble shoot it.

Bill/K1FPV

--- In orion565@yahoogroups.com, "kc2qma" wrote:
>
> WOW I have a 566 OII, maybe the 565's have a problem specific to them? I have had my OII for over a year and haven't had one problem. Now I did do the internal case fan mod, maybe the lower case temps have helped keep the internal components happy?

> John
>
>
> --- In orion565@yahoogroups.com, "k1fpv" wrote:
> >
> > No! Sam is right! I too have had a number of times, the caps on the A9 board went south on me. The first 2 times, I didn't use Low ESR caps and they didn't last a year. With Low ESR Caps, they have lasted an average of 2 1/2 years each.
> >
> > I now keep 2 sets of spares in my parts supply (6 caps). :-) No, it isn't the power supply as I've tried multiple supplies, both switchers and linear. Same results!
> >
> > Bill/K1FPV
> >
> >
> >
> > --- In orion565@yahoogroups.com, "kc2qma" wrote:
> > >
> > > 5 A9 boards in 2 years? Sounds to me like you may have something wrong in your setup. Maybe your power supply has dirty DC or overvoltage or very high shack temps?
> > > Just seems like a very high failure rate to me?
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> > > --- In orion565@yahoogroups.com, Sam W Jacobs CET wrote:
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> > > > 73 !
> > > >
> > > > Sam
> > > > K3SAM
> > > >
> > > >
> > > >
> > > > _____
> > > > From: George
> > > > To: orion565@yahoogroups.com
> > > > Sent: Monday, February 18, 2013 10:13 AM
> > > > Subject: [orion565] Orion 565 Power Relay Location
> > > >
> > > >
> > > > Â
> > > > I've been having problems turning on my Orion 565. Sometimes it would take five tries before the rig came on, sometimes it would start on the first try. Initially I

suspected the power switch. I replaced it but the problem continued.
> > > > I kept reading about capacitor problems on the A9 power distribution board. In 2011 I had the rig at Ten Tec because of another problem. At that time I also asked that any improvements be installed while the rig was at the factory.
> > > > I made a call to Ten Tec concerning the power-on problem about a week ago and mentioned the possible capacitor problem as the cause of my problem. I was told that my A9 board was updated in 2011, hence it was thought not to be the cause. And because I mentioned that I hear clicks when I try to turn the set on and off, the technician suggested that the it may be a relay problem and I should first try cleaning the relay.
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> > > > I also checked the power connection coming from my Astron transformer. The contacts were clean.
> > > > So, could someone please let me know the location of the relay, and/or suggest a possible fix. Also, where could I find a schematic for the 565.
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> > > > Thanking in advance,
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> > > > Electronically Challenged George, KE4HW
> > > >
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> > > >
> > > > [Non-text portions of this message have been removed]
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>

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9217. Re: Orion 565 Power Relay Location

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-21 19:02:27 UTC
From: k1fpv
Topic: 9194 Message: 9217

Hi Sam,

I haven't taken my Orion II apart yet, but noticed the audio fluctuations on the audio output pin of the 5 pin DIN connector where I use the supplied cable to feed my SignaLink USB when operation on PSK31 or JT65HF. I'm using the 3.029 version of firmware.

The SignaLink USB works fine on my Jupiter, Argonaut V and OMNI VII. I just assumed it might be an intermittent capacitor or something like that. I was going to follow the signal with my scope back to the source. The problem is it may work fine of 10 minutes, then all of a sudden vary wildly.....then calm down for a while before doing it all over again.

Thanks for the heads-up!

Bill/K1FPV

--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> Bill, I believe you will find that is a product of the software.Â I was beta testing with John and I think when we hit version 3.026 the rear output RCA jack's audio started doing strange things such as pops, clicks, varying audio and the like.
>
> It helps to have the AN (auto notch) turned off, but you will then hear tuner-uppers.
>
> I do all of my ham audio recording using the REAR RCA AUDIO JACK and it worked great on software versions prior to 3.xxx.
>
> John Henry is up to speed on all of this and intends on more experimenting with the next beta versions.
>
>
> Â
> 73 !
>
> Sam
> K3SAM
>
>
>
> _____
> From: k1fpv <k1fpv@...>
> To: orion565@yahoogroups.com
> Sent: Wednesday, February 20, 2013 12:37 PM
> Subject: [orion565] Re: Orion 565 Power Relay Location
>
>
> Â

> Hi John,
>
> Well, that particular problem apparently is common to both the Orion I and the Orion II according to many posts I've seen here over time.
>
> Like I previously mentioned, I replaced the caps with Low ESR type rated at 105 degrees C temperature. It is unlikely that temperature is the cause of the failures but more than likely the high amount of noise that I was able to observe with my scope on the line supposedly being filtered by the caps.
>
> Your fan mod can't hurt unless it has affected the receiver as previously mentioned by John Henry. I have yet to perform that mod on mine. I'm going to look for a very thin fan to put in the place of my speaker. Right now, I'm addressing another problem that just popped up on my Orion II. When using digital modes and the TX audio coming in via the rear accessory plug, I get varying audio levels causing wild changes in output. This occurs only when the audio comes in via the rear plug. I'll most likely take my Orion II apart again in the next day or two so that I can trouble shoot it.
>
> Bill/K1FPV
>
> --- In orion565@yahoogroups.com, "kc2qma" wrote:
> >
> > WOW I have a 566 OII, maybe the 565's have a problem specific to them? I have had my OII for over a year and haven't had one problem. Now I did do the internal case fan mod, maybe the lower case temps have helped keep the internal components happy?
> > John
> >
> >
> > --- In orion565@yahoogroups.com, "k1fpv" wrote:
> > >
> > > No! Sam is right! I too have had a number of times, the caps on the A9 board went south on me. The first 2 times, I didn't use Low ESR caps and they didn't last a year. With Low ESR Caps, they have lasted an average of 2 1/2 years each.
> > >
> > > I now keep 2 sets of spares in my parts supply (6 caps). :-) No, it isn't the power supply as I've tried multiple supplies, both switchers and linear. Same results!
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> > > > > Sam
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> > > > > _____
> > > > > From: George
> > > > > To: orion565@yahoogroups.com
> > > > > Sent: Monday, February 18, 2013 10:13 AM
> > > > > Subject: [orion565] Orion 565 Power Relay Location
> > > > >
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> > > > >
> > > > > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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9218. Re: Orion 565 Power Relay Location

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-21 23:15:26 UTC
From: k1fpv
Topic: 9194 Message: 9218

Hmmmmm, wonder if I should revert back to Firmware version 2.044A ? I only updated my Orion II a few months ago. I had no issues with version 2.044A.

Bill/K1FPV

--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> Bill, I believe you will find that is a product of the software.Â I was beta testing with John and I think when we hit version 3.026 the rear output RCA jack's audio started doing strange things such as pops, clicks, varying audio and the like.
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> It helps to have the AN (auto notch) turned off, but you will then hear tuner-uppers.
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> From: k1fpv <k1fpv@...>
> To: orion565@yahoogroups.com
> Sent: Wednesday, February 20, 2013 12:37 PM
> Subject: [orion565] Re: Orion 565 Power Relay Location
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> Like I previously mentioned, I replaced the caps with Low ESR type rated at 105 degrees C temperature. It is unlikely that temperature is the cause of the failures but more than likely the high amount of noise that I was able to observe with my scope on the line supposedly being filtered by the caps.
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> > > I now keep 2 sets of spares in my parts supply (6 caps). :-) No, it isn't the power supply as I've tried multiple supplies, both switchers and linear. Same results!
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> > > --- In orion565@yahoogroups.com, "kc2qma" wrote:
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> > > > 5 A9 boards in 2 years? Sounds to me like you may have something wrong in your setup. Maybe your power supply has dirty DC or overvoltage or very high shack temps?
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> > > > john
> > > >
> > > > --- In orion565@yahoogroups.com, Sam W Jacobs CET wrote:
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> > > > > Personally I would forget about the relay and go back to the A9 board.
> > > > > Even if it was updated in 2011, I've had 5 of those go back SINCE 2011.
> > > > > I keep one (1) on hand all the time just for the next time it goes bad.
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> > > > > Sam
> > > > > K3SAM
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> > > > >
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> > > > > _____
> > > > > From: George
> > > > > To: orion565@yahoogroups.com
> > > > > Sent: Monday, February 18, 2013 10:13 AM
> > > > > Subject: [orion565] Orion 565 Power Relay Location
> > > > >
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> > > > > I've been having problems turning on my Orion 565. Sometimes it would take five tries before the rig came on, sometimes it would start on the first try. Initially I suspected the power switch. I replaced it but the problem continued.
> > > > > I kept reading about capacitor problems on the A9 power distribution board. In 2011 I had the rig at Ten Tec because of another problem. At that time I also asked that any improvements be installed while the rig was at the factory.
> > > > > I made a call to Ten Tec concerning the power-on problem about a week ago and mentioned the possible capacitor problem as the cause of my problem. I was told that my A9 board was updated in 2011, hence it was thought not to be the cause. And because I mentioned that I hear clicks when I try to turn the set on and off, the technician suggested that the it may be a relay problem and I should first try cleaning the relay.
> > > > > I thought the relay was on the A9 board, but I couldn't find it, and I didn't see any on an Orion II schematic in Ten TecWiki.
> > > > > I also checked the power connection coming from my Astron transformer. The contacts were clean.
> > > > > So, could someone please let me know the location of the relay, and/or suggest a possible fix. Also, where could I find a schematic for the 565.
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> > > > > Thanking in advance,
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> > > > > Electronically Challenged George, KE4HW
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9219. Re: Orion 565 Power Relay Location

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-22 21:16:57 UTC
From: Pierre Rothenburger, F3WT
Topic: 9194 Message: 9219

Hi Bill (K1FGPV) and all:

These questions (locating power relay) seem to relate also to my previous ON/OFF switching problems with my O1. Don' t they?
(I add OFF as a ham mentioned this)
Meanwhile, my O1 seems to be back to normal! A coincidently or causal relationship with my shack is heated now (due to currently colder weather/wx here) ?
Will see.
Probably a 2-cent question, although I am an electronic (but French) engineer:
what does ESR capacitors mean?
I may eventually have to put my sleeves up to dig and solder them into the rig indeed, as suggested .

Thanks you .

73, Pierre F3WT

9220. Orion 1 usage with a Hercules II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-23 19:23:57 UTC
From: ih350u
Topic: 9220 Message: 9220

I have a Hercules II that is currently wired for remote use with my Omni VI+.
Can the Hercules be used in remote mode with a Orion by changing the plug to match the Orion's band data 15-pin plug or is the Orion different than the Omni? is the band data output the same for both? I know the pin out is differnt.
I would like to use the Hercules on the second VFO/sub RX for S&Ping. If it works Then I can keep my main amp tuned to my run freq.

Thanks

Paul, WG0G

9221. Re: Orion 1 usage with a Hercules II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-24 16:53:03 UTC
From: Edward A. Feustel
Topic: 9220 Message: 9221

Paul,
The band data output is different! If you can find a Ten Tec 311, it will serve as an interface between the Orion and cables to your amp. If you look in the past messages, you will find that they are very rare. Schemes for accomplishing the connection have been published a number of times.

Best of luck,
Ed Feustel, N5EI
565 Owner

9222. Re: Orion 565 Power Relay Location

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-25 00:06:38 UTC
From: k1fpv
Topic: 9194 Message: 9222

Interesting development with the varying levels on my audio output of the accessory plug on the back. I used my Orion II on JT-65HF for about 2 1/2 hours today after doing a master reset and down grading to firmware version 2.044A. The Orion II worked flawlessly!

It looks like you called it right on the nose Sam! With the older firmware, at least on my Orion II, the radio seems to work fantastically.We will see what occurs over time. In the meantime, I'm looking for a 4" fan that is very thin and runs on 12 VDC for the speaker replacement mod.

Bill/K1FPV

--- In orion565@yahoogroups.com, "k1fpv" <k1fpv@...> wrote:
>
> Hmmmmm, wonder if I should revert back to Firmware version 2.044A ? I only updated my Orion II a few months ago. I had no issues with version 2.044A.
>
> Bill/K1FPV
>
> --- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@> wrote:
> >
> > Bill, I believe you will find that is a product of the software.Â I was beta testing with John and I think when we hit version 3.026 the rear output RCA jack's audio started doing strange things such as pops, clicks, varying audio and the like.
> >
> > It helps to have the AN (auto notch) turned off, but you will then hear tuner-uppers.
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> > I do all of my ham audio recording using the REAR RCA AUDIO JACK and it worked great on software versions prior to 3.xxx.
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> > John Henry is up to speed on all of this and intends on more experimenting with the next beta versions.
> >
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> > Â
> > 73 !
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> > Sam
> > K3SAM
> >
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> >
> > _____
> > From: k1fpv <k1fpv@>
> > To: orion565@yahoogroups.com
> > Sent: Wednesday, February 20, 2013 12:37 PM
> > Subject: [orion565] Re: Orion 565 Power Relay Location

> >
> >
> > Â
> > Hi John,
> >
> > Well, that particular problem apparently is common to both the Orion I and the Orion II according to many posts I've seen here over time.
> >
> > Like I previously mentioned, I replaced the caps with Low ESR type rated at 105 degrees C temperature. It is unlikely that temperature is the cause of the failures but more than likely the high amount of noise that I was able to observe with my scope on the line supposedly being filtered by the caps.
> >
> > Your fan mod can't hurt unless it has affected the receiver as previously mentioned by John Henry. I have yet to perform that mod on mine. I'm going to look for a very thin fan to put in the place of my speaker. Right now, I'm addressing another problem that just popped up on my Orion II. When using digital modes and the TX audio coming in via the rear accessory plug, I get varying audio levels causing wild changes in output. This occurs only when the audio comes in via the rear plug. I'll most likely take my Orion II apart again in the next day or two so that I can trouble shoot it.
> >
> > Bill/K1FPV
> >
> > --- In orion565@yahoogroups.com, "kc2qma" wrote:
> > >
> > > WOW I have a 566 OII, maybe the 565's have a problem specific to them? I have had my OII for over a year and haven't had one problem. Now I did do the internal case fan mod, maybe the lower case temps have helped keep the internal components happy?
> > > John
> > >
> > >
> > > --- In orion565@yahoogroups.com, "k1fpv" wrote:
> > > >
> > > > No! Sam is right! I too have had a number of times, the caps on the A9 board went south on me. The first 2 times, I didn't use Low ESR caps and they didn't last a year. With Low ESR Caps, they have lasted an average of 2 1/2 years each.
> > > >
> > > > I now keep 2 sets of spares in my parts supply (6 caps). :-) No, it isn't the power supply as I've tried multiple supplies, both switchers and linear. Same results!
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> > > > > > From: George
> > > > > > To: orion565@yahoogroups.com
> > > > > > Sent: Monday, February 18, 2013 10:13 AM
> > > > > > Subject: [orion565] Orion 565 Power Relay Location
> > > > > >
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> > > > > > I've been having problems turning on my Orion 565. Sometimes it would take five tries before the rig came on, sometimes it would start on the first try. Initially I suspected the power switch. I replaced it but the problem continued.
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> > > > > > I made a call to Ten Tec concerning the power-on problem about a week ago and mentioned the possible capacitor problem as the cause of my problem. I was told that my A9 board was updated in 2011, hence it was thought not to be the cause. And because I mentioned that I hear clicks when I try to turn the set on and off, the technician suggested that the it may be a relay problem and I should first try cleaning the relay.
> > > > > > I thought the relay was on the A9 board, but I couldn't find it, and I didn't see any on an Orion II schematic in Ten TecWiki.
> > > > > > I also checked the power connection coming from my Astron transformer. The contacts were clean.
> > > > > > So, could someone please let me know the location of the relay, and/or suggest a possible fix. Also, where could I find a schematic for the 565.
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9223. Re: Orion 565 Power Relay Location

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-25 19:53:15 UTC
From: k1fpv
Topic: 9194 Message: 9223

Bon Jour Pierre,

Excuser mon Francais! C'est un long temp que je parle et ecrit Francais. Before I make a fool of my French abilities, it has been many years since I have spoken it. My grandparents spoke French and that was the only way I could communicate with them.

Low ESR capacitors are capacitors that have an extremely low impedance especially in noisy situations and can operate in higher temperature environments. Mostly the low impedance is the primary feature.

I recently purchased an ESR meter and it is a valuable tool in troubleshooting areas where capacitors are the suspected problem. I used to use them in troubleshooting equipment at the broadcast stations I worked at.

Hope this answers your question! :-)

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "Pierre Rothenburger, F3WT" <f3wt@...> wrote:
>
> Hi Bill (K1FGPV) and all:
>
>
> These questions (locating power relay) seem to relate also to my previous ON/OFF switching problems with my O1. Don' t they?
> (I add OFF as a ham mentioned this)
> Meanwhile, my O1 seems to be back to normal! A coincidently or causal relationship with my shack is heated now (due to currently colder weather/wx here) ?
> Will see.
> Probably a 2-cent question, although I am an electronic (but French) engineer:
> what does ESR capacitors mean?
> I may eventually have to put my sleeves up to dig and solder them into the rig indeed, as suggested .
>
> Thanks you .
>
> 73, Pierre F3WT
>

9224. Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-28 18:48:47 UTC
From: mutley243
Topic: 9045 Message: 9224

--- In orion565@yahoogroups.com, w6enz@... wrote:
>
>
> Has anyone else had the problem with v3.033xa firmware that after the
Orion
> II is powered down for the night and then powered up the next morning
the
> main receiver does NOT receive any signals and just has a loud popping
> noise. At the same time, the RX-366 sub-receiver operates normally.
Returning
> to v3.029 firmware, both receivers work without any issues. A RAM
clear and
> Master Reset was performed when installing the v3.033xa firmware into
the
> Orion. Thanks: Rick -W6ENZ
>
> Hi Rick I am bob NR8L I too upgraded the firmware on my orion I
I and have the same results. I have tried some different things but
nothing has helped. I ordered a new battery for the front end, will
change it out and see what happens, but I don't think that is the
problem. I went back and try out different versions of the upgrades and
got different results. Instead of the main receiver not working the sub
receiver didn't work and things went from bad to worse. Reinstalled
version 3.036 and everything is working as it should. So I don't think
I have a hardware problem. I have talked to the tec department at Ten
Tec but no results yet. I am just wondering if anybody else has this
problem and if so found a solution. Thanks bob NR8L

9225. Re: Orion 565 Power Relay Location

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-28 20:23:55 UTC
From: k1fpv
Topic: 9194 Message: 9225

Well, looks like it isn't the firmware! Yesterday, using Firmware version 2.044A, I had the transmit levels vary on me again. This occurs no matter what level I put the AUX Input Level at in the SSB menu. I'm using the 5 Pin DIN cable that came with the rig to connect up to the SignaLink. Using the same computer interface(SignaLink USB) on my other Ten-Tec radios (Argo V, Omni VII & Jupiter), output level remains constant.

Anyone else ever have this trouble? Looks like I'll be taking the radio apart in the very near future. Any suggestions would be appreciated if you have encountered this problem!

Bill/K1FPV

--- In orion565@yahoogroups.com, "k1fpv" <k1fpv@...> wrote:
>
> Interesting development with the varying levels on my audio output of the accessory plug on the back. I used my Orion II on JT-65HF for about 2 1/2 hours today after doing a master reset and down grading to firmware version 2.044A. The Orion II worked flawlessly!
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> It looks like you called it right on the nose Sam! With the older firmware, at least on my Orion II, the radio seems to work fantastically.We will see what occurs over time. In the meantime, I'm looking for a 4" fan that is very thin and runs on 12 VDC for the speaker replacement mod.
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> > > From: k1fpv <k1fpv@>
> > > To: orion565@yahoogroups.com
> > > Sent: Wednesday, February 20, 2013 12:37 PM
> > > Subject: [orion565] Re: Orion 565 Power Relay Location
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> > > Hi John,
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> > > Well, that particular problem apparently is common to both the Orion I and the Orion II according to many posts I've seen here over time.
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> > > > > I now keep 2 sets of spares in my parts supply (6 caps). :-) No, it isn't the power supply as I've tried multiple supplies, both switchers and linear. Same results!
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> > > > > > > To: orion565@yahoogroups.com
> > > > > > > Sent: Monday, February 18, 2013 10:13 AM
> > > > > > > Subject: [orion565] Orion 565 Power Relay Location
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9226. RE: [orion565] Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-02-28 21:13:06 UTC
From: George
Topic: 9045 Message: 9226

I returned to version 3.028 as I didn't like the S meter bouncing all over the place.

When I was on 3.033 I didn't notice the problem you experienced.

George W2YJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of mutley243
Sent: Thursday, February 28, 2013 1:49 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: v3.033xa Firmware (Orion II)

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , w6enz@... wrote:
>
>
> Has anyone else had the problem with v3.033xa firmware that after the Orion
> II is powered down for the night and then powered up the next morning the
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> noise. At the same time, the RX-366 sub-receiver operates normally. Returning
> to v3.029 firmware, both receivers work without any issues. A RAM clear and
> Master Reset was performed when installing the v3.033xa firmware into the
> Orion. Thanks: Rick -W6ENZ
>
> Hi Rick I am bob NR8L I too upgraded the firmware on my orion I I and have the same results. I have tried some different things but nothing has helped. I ordered a new battery for the front end, will change it out and see what happens, but I don't think that is the problem. I went back and try out different versions of the upgrades and got different results. Instead of the main receiver not working the sub receiver didn't work and things went from bad to worse. Reinstalled version 3.036 and everything is working as it should. So I don't think I have a hardware problem. I have talked to the tec department at Ten Tec but no results yet. I am just wondering if anybody else has this problem and if so found a solution. Thanks bob NR8L

[Non-text portions of this message have been removed]

9227. Question about using 1208 converter with the Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-01 15:06:58 UTC
From: w5kg
Topic: 9227 Message: 9227

I am putting together a 6 meter station and I had a couple of questions.
First, how well does the 1208 converter work with an Orion?
Second, how does the coverter connect to the Orion, menu setting and the like?
Any info on the 1208 would be appreciated.
Don, W5KG

9228. Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-01 17:15:13 UTC
From: w6enz
Topic: 9045 Message: 9228

Hello Bob,
Well, I have replaced the memory battery as well as the 470 uF caps on the A9 power distribution board and performed numerous RAM clears and Master Resets. Net result, the problem still exists with the radio not booting correctly after extended shut down periods.
K7NG and now your self have indicated that you have identical problems. Just wondering if there is any one else on the group who has had the same problem and maybe has some more suggestions on what we can try to be able to us v3.033xa firmware without having to perform a RAM Clear and Master Reset everytime we start the radio?
73, Rick - W6ENZ
--- In orion565@yahoogroups.com, "mutley243" <mutley243@...> wrote:
>
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> --- In orion565@yahoogroups.com, w6enz@ wrote:
> >
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> problem. I went back and try out different versions of the upgrades and
> got different results. Instead of the main receiver not working the sub
> receiver didn't work and things went from bad to worse. Reinstalled

> version 3.036 and everything is working as it should. So I don't
think
> I have a hardware problem. I have talked to the tec department at Ten
> Tec but no results yet. I am just wondering if anybody else has this
> problem and if so found a solution. Thanks bob NR8L
>

[Non-text portions of this message have been removed]

9229. Re: [orion565] Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-02 01:58:27 UTC
From: K Van Horn
Topic: 9045 Message: 9229

Rick,
Add me to your list. Also the memory mode labels are sometimes incorrect.....what should say ”AM” sometimes says “nAMe” OR there will be no mode listed at all......either “none” or “ “. Not a big deal, and it is minor enough that I have not mentioned these various bugs to John Henry yet.
73,
kirby, k7ec

From: w6enz
Sent: Friday, 1 March, 2013 10:15
To: orion565@yahoogroups.com
Subject: [orion565] Re: v3.033xa Firmware (Orion II)

Hello Bob,
Well, I have replaced the memory battery as well as the 470 uF caps on the A9 power distribution board and performed numerous RAM clears and Master Resets. Net result, the problem still exists with the radio not booting correctly after extended shut down periods.
K7NG and now your self have indicated that you have identical problems. Just wondering if there is any one else on the group who has had the same problem and maybe has some more suggestions on what we can try to be able to us v3.033xa firmware without having to perform a RAM Clear and Master Reset everytime we start the radio?
73, Rick - W6ENZ
--- In mailto:orion565%40yahoogroups.com, "mutley243" wrote:
>
>
>
> --- In mailto:orion565%40yahoogroups.com, w6enz@ wrote:
> >
> >
> > Has anyone else had the problem with v3.033xa firmware that after the
> Orion
> > II is powered down for the night and then powered up the next morning
> the
> > main receiver does NOT receive any signals and just has a loud popping
> > noise. At the same time, the RX-366 sub-receiver operates normally.
> Returning
> > to v3.029 firmware, both receivers work without any issues. A RAM
> clear and
> > Master Reset was performed when installing the v3.033xa firmware into

> the
> > Orion. Thanks: Rick -W6ENZ
> >
> > Hi Rick I am bob NR8L I too upgraded the firmware on my orion
I
> I and have the same results. I have tried some different things but
> nothing has helped. I ordered a new battery for the front end, will
> change it out and see what happens, but I don't think that is the
> problem. I went back and try out different versions of the upgrades
and
> got different results. Instead of the main receiver not working the
sub
> receiver didn't work and things went from bad to worse. Reinstalled
> version 3.036 and everything is working as it should. So I don't
think
> I have a hardware problem. I have talked to the tec department at Ten
> Tec but no results yet. I am just wondering if anybody else has this
> problem and if so found a solution. Thanks bob NR8L
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9230. Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-02 17:29:11 UTC
From: w2msj
Topic: 9045 Message: 9230

I too have very loud "popping" in the speaker but it may not be from the same cause as being discussed on this thread. Or, could it be? (I have used 3.033xa since it came out) A year or so back I successfully cured the "A9 board" popping with the prescribed cap change. Last week I very briefly (maybe 3 - 6 cw characters) transmitted into an open coax (between the OII and ASTU) at 100 watts. Connecting into the ASTU, properly adjusted, and all seemed OK. Soon thereafter there appeared a loud popping in the speaker when running 100 watts into a matched load (as close to 1:1 as you can read). Power to the antenna tuner remains at whatever the "PWR" control is set at. Reducing power to 75 watts the popping goes away. Occurs on both SSB voice peaks and CW. No popping is audible when AF/RF turned down i.e. even listening near the final amp there is no audible arcing.
Any opinions to the source? It would not seem to be software but?? Antenna changeover circuit damaged by rf? or ?

Lynn Finch

9231. Re: v3.033xa Firmware (Orion II)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-03 02:15:56 UTC
From: Lynn Finch
Topic: 9045 Message: 9231

Ignore my previous post. "doesn't seem to be3.033xa firmware". I did a RAM clear, Master reset and cleared user files, following step-by-step the ORION/ORION II RAM CLEAR instructions on the TT website and Master Reset in the OII manual. My problem was solved - no more popping when transmitting at 100 watts. The receiver seems to work normal again too. Someone once said: "when all else fails, read and follow the manual" At least it worked for me.

OK so the first try I pushed the lock button under the VFOA button instead of under the VFOB button - nobody reads perfectly. Lynn Finch, W2MSJ

[Non-text portions of this message have been removed]

9232. orion 565: experience blue/ white lcd

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-04 06:59:05 UTC
From: pa1ap
Topic: 9232 Message: 9232

In case your unit has the replacement lcd, whats your experience when using the latest firmware? Does jitter/flashing still occur when using blue on white? Do you see diagnol left to right lines through the sweep display? Do you see delayed pixels at sweep top? Thanks for feedback and regards, Onno

9233. will not take firmware update

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-04 20:16:50 UTC
From: ke5st1035651@att.net
Topic: 9233 Message: 9233

>after trying 3 or 4 times the orion will not load software she is lock up. anyone help with this. thanks larry

9234. Re: will not take firmware update

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-04 21:49:57 UTC
From: pa1ap
Topic: 9233 Message: 9234

1- does serial connection work with a remote control program?

2- did you powercycle the orion and during boot press and hold the user 1 button?

3- does the orion boot at all?

Regards, Onno

--- In orion565@yahoogroups.com, "ke5st1035651@..." <ke5st1035651@...> wrote:
>
> >after trying 3 or 4 times the orion will not load software she is lock up. anyone help with this. thanks larry
>

9235. Re: will not take firmware update

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-05 12:56:50 UTC
From: John K Gotwals
Topic: 9233 Message: 9235

Is your serial port configured properly?
57,600 baud, no parity, 8 data bits, 1 stop bit

John, N9JG

[Non-text portions of this message have been removed]

9236. Re: orion 565: experience blue/ white lcd

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-05 14:46:21 UTC
From: Pierre Rothenburger, F3WT
Topic: 9232 Message: 9236

reply to post of PA1PA:
Hello:
Seller of my O1 did have to replace the LCD - board, which is blue now indeed.
Powering on shows - for a very brief moment though - constant fully stuffed spectral lines on the sweep-display, right after loading terminates.Duration abt. a second or so.
Seems not to be a problem for me. Other than that, my only problem is those repeated "kick-starts" needed when powering ON the rig, probably not related to this topic here..
(.. and reported elsewhere to this group as well as addressed, including by Ten Tec.
Probable named culprits being electrolytic capacitors and more recently: Li-disk-battery (TT). A belated thanks again to all who replied so far)
73
Pierre
F3WT

9237. Re: [orion565] Re: orion 565: experience blue/ white lcd

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-05 16:44:26 UTC
From: Vance Leedy
Topic: 9232 Message: 9237

As you may recall the original change on the electrolytic caps was from 85c to 105c. My friends tell me that the advantage to that was longer life expectancy, but not based on temp, just 105's will last longer under same condx as 85c's.
They also told me of horror stories about Chinese caps with bad chemicals and delayed failure!
Vance

On 03/05/2013 06:46 AM, Pierre Rothenburger, F3WT wrote:
>
> reply to post of PA1PA:
> Hello:
> Seller of my O1 did have to replace the LCD - board, which is blue now
> indeed.
> Powering on shows - for a very brief moment though - constant fully
> stuffed spectral lines on the sweep-display, right after loading
> terminates.Duration abt. a second or so.
> Seems not to be a problem for me. Other than that, my only problem is
> those repeated "kick-starts" needed when powering ON the rig, probably
> not related to this topic here..
> (.. and reported elsewhere to this group as well as addressed,
> including by Ten Tec. Probable named culprits being electrolytic
> capacitors and more recently: Li-disk-battery (TT). A belated thanks
> again to all who replied so far)
> 73
> Pierre
> F3WT
>
>

[Non-text portions of this message have been removed]

9238. Dave Borcher

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-05 17:39:51 UTC
From: Dave Borcher
Topic: 9238 Message: 9238

http://www.thaerfete.de/cj/qtuhdsn

[Non-text portions of this message have been removed]

9239. Re: orion 565: experience blue/ white lcd

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-05 18:27:44 UTC
From: k1fpv
Topic: 9232 Message: 9239

Everything you mentioned Vance is true! Also, in the type of environment the caps on the Orion I & II power board are subjected to, you would be wise to use low ESR capacitors. There is a lot of noise and hash on those lines and low ESR caps do a better job of filtering it out. That was how I first found the bad caps in my Orion II. I happened to use my scope to measure the DC voltage and noticed all the noise on the what was supposed to be a nice clean DC voltage.

Bill/K1FPV

--- In orion565@yahoogroups.com, Vance Leedy <w7iex@...> wrote:
>
>
>
> As you may recall the original change on the electrolytic caps was from
> 85c to 105c. My friends tell me that the advantage to that was longer
> life expectancy, but not based on temp, just 105's will last longer
> under same condx as 85c's.
> They also told me of horror stories about Chinese caps with bad
> chemicals and delayed failure!
> Vance
>
>
> On 03/05/2013 06:46 AM, Pierre Rothenburger, F3WT wrote:
> >
> > reply to post of PA1PA:
> > Hello:
> > Seller of my O1 did have to replace the LCD - board, which is blue now
> > indeed.
> > Powering on shows - for a very brief moment though - constant fully
> > stuffed spectral lines on the sweep-display, right after loading
> > terminates.Duration abt. a second or so.
> > Seems not to be a problem for me. Other than that, my only problem is
> > those repeated "kick-starts" needed when powering ON the rig, probably
> > not related to this topic here..
> > (.. and reported elsewhere to this group as well as addressed,
> > including by Ten Tec. Probable named culprits being electrolytic
> > capacitors and more recently: Li-disk-battery (TT). A belated thanks
> > again to all who replied so far)
> > 73
> > Pierre
> > F3WT
> >
> >
>
>

>
> [Non-text portions of this message have been removed]
>

9240. Re: [orion565] Re: orion 565: experience blue/ white lcd

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-06 05:02:31 UTC
From: vance leedy
Topic: 9232 Message: 9240

Bill thanks for your input.
Don't know how you got my e-mail as I had intended it for Pierre F3WT. In any event, we have been chatting about the odd failures of the O1's and to some extent the O2's. Reminds me of my days repairing large mainframe CPU's. Weird stuff almost impossible to pin down. I did not see a lot of noise on the +5 line out of the A9, but replaced the caps anyway. I measured the input to those switching transistors at around 34khz which should be pretty easy to keep clean. NOW I have a hard failure I can work on. Unfortunately, it is due to a workmanship error. Seems the soldering iron got damaged and instead of 700F is was only putting out 375F. Boy, did I do a screwed up job on those thru-holes! Have a couple of retired design engineeers helping we with this. One said if the 85C's were not up to the temp, I didn't need 105's, but the fire dept.hihi
Figured I can work on this bd on the bench and don't have to cart and setup the O1 in the shop. It's cold here and the shop isn't very warm. (Reno, NV).

W7IEX
Vance Leedy
Reno, NV

--- On Tue, 3/5/13, k1fpv <k1fpv@...> wrote:

From: k1fpv <k1fpv@...>
Subject: [orion565] Re: orion 565: experience blue/ white lcd
To: orion565@yahoogroups.com
Date: Tuesday, March 5, 2013, 10:27 AM

Everything you mentioned Vance is true! Also, in the type of environment the caps on the Orion I & II power board are subjected to, you would be wise to use low ESR capacitors. There is a lot of noise and hash on those lines and low ESR caps do a better job of filtering it out. That was how I first found the bad caps in my Orion II. I happened to use my scope to measure the DC voltage and noticed all the noise on the what was supposed to be a nice clean DC voltage.

Bill/K1FPV

--- In orion565@yahoogroups.com, Vance Leedy wrote:

>

>

>

> As you may recall the original change on the electrolytic caps was from

> 85c to 105c. My friends tell me that the advantage to that was longer

> life expectancy, but not based on temp, just 105's will last longer

> under same condx as 85c's.

> They also told me of horror stories about Chinese caps with bad

> chemicals and delayed failure!

> Vance

>

>

> On 03/05/2013 06:46 AM, Pierre Rothenburger, F3WT wrote:

> >

> > reply to post of PA1PA:

> > Hello:

> > Seller of my O1 did have to replace the LCD - board, which is blue now

> > indeed.

> > Powering on shows - for a very brief moment though - constant fully

> > stuffed spectral lines on the sweep-display, right after loading

> > terminates.Duration abt. a second or so.

> > Seems not to be a problem for me. Other than that, my only problem is

> > those repeated "kick-starts" needed when powering ON the rig, probably

> > not related to this topic here..

> > (.. and reported elsewhere to this group as well as addressed,

> > including by Ten Tec. Probable named culprits being electrolytic

> > capacitors and more recently: Li-disk-battery (TT). A belated thanks

> > again to all who replied so far)

> > 73

> > Pierre

> > F3WT

> >

> >

>

>

>

> [Non-text portions of this message have been removed]

>

[Non-text portions of this message have been removed]

9243. What is the H/W mic gain setting used for on the 565 Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-06 06:31:12 UTC
From: franklincloud79
Topic: 9243 Message: 9243

I am trying to set up my TX audio and having trouble using a Heil proset6. I see in the menu a H/W mic gain which goes up to 18 db.
I cannot find a reference to that in the manual. I could have overlooked it. I set it on zero. My audio distorts now if I go over about 14 on the mic gain. Anyone have settings used for the Heil proset 6? and what is the H/W mic gain used for? Thanks for a reply.

Frank

9244. Re: [orion565] What is the H/W mic gain setting used for on the 565 Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-06 09:12:46 UTC
From: Barry N1EU
Topic: 9243 Message: 9244

Your audio distorts with MIC 14, H/W MIC Gain 0 and with SP (speech processor) off? Are you setting MIC so that the ALC LED just lights on voice peaks?

I assume you're going in the mic jack and have the Menu - SSB - TX Audio Source set to "MIC"?

The H/W mic gain is used if you need more mic gain than is provided by the front panel MIC gain setting.

Barry N1EU

On Wed, Mar 6, 2013 at 6:31 AM, franklincloud79 <franklincloud79@...>wrote:

> **
>
>
> I am trying to set up my TX audio and having trouble using a Heil proset6.
> I see in the menu a H/W mic gain which goes up to 18 db.
> I cannot find a reference to that in the manual. I could have overlooked
> it. I set it on zero. My audio distorts now if I go over about 14 on the
> mic gain. Anyone have settings used for the Heil proset 6? and what is the
> H/W mic gain used for? Thanks for a reply.
>
> Frank
>
>
>

[Non-text portions of this message have been removed]

9245. Re: [orion565] What is the H/W mic gain setting used for on the 565 Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-06 09:19:17 UTC
From: Barry N1EU
Topic: 9243 Message: 9245

Frank your problem is that you're using TX EQ of 0dB. Set your TX EQ to -15dB and see if the distortion goes away. The current iteration of the Orion speech processor can not handle low frequency energy - I know this from experience If you turn off SP, you can go to less bass roll off in the TX EQ. Personally, I've never used less than -10dB though.

73,
Barry N1EU

On Wed, Mar 6, 2013 at 9:12 AM, Barry N1EU <barry.n1eu@...> wrote:

> Your audio distorts with MIC 14, H/W MIC Gain 0 and with SP (speech
> processor) off? Are you setting MIC so that the ALC LED just lights on
> voice peaks?
>
> I assume you're going in the mic jack and have the Menu - SSB - TX Audio
> Source set to "MIC"?
>
> The H/W mic gain is used if you need more mic gain than is provided by the
> front panel MIC gain setting.
>
> Barry N1EU
>
>
> On Wed, Mar 6, 2013 at 6:31 AM, franklincloud79 <franklincloud79@...
> > wrote:
>
>> **
>>
>>
>> I am trying to set up my TX audio and having trouble using a Heil
>> proset6. I see in the menu a H/W mic gain which goes up to 18 db.
>> I cannot find a reference to that in the manual. I could have overlooked
>> it. I set it on zero. My audio distorts now if I go over about 14 on the
>> mic gain. Anyone have settings used for the Heil proset 6? and what is the
>> H/W mic gain used for? Thanks for a reply.
>>
>> Frank
>>
>>
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>
>

[Non-text portions of this message have been removed]

9246. Re: What is the H/W mic gain setting used for on the 565 Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-06 15:06:41 UTC
From: franklincloud79
Topic: 9243 Message: 9246

Barry, your assumptions are correct. Mic is the source, using the front jack. I'll try your suggestions today. If I turn the mic gain up to where the ALC just lights, there is distortion so I keep it down to where a person listening tells me it sounds better, but not great. This is around 14. BTW my power out is about half from my AL 80 A when I do that. Thanks for the reply.

Frank

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Frank your problem is that you're using TX EQ of 0dB. Set your TX EQ to
> -15dB and see if the distortion goes away. The current iteration of the
> Orion speech processor can not handle low frequency energy - I know this
> from experience If you turn off SP, you can go to less bass roll off in
> the TX EQ. Personally, I've never used less than -10dB though.
>
> 73,
> Barry N1EU
>
> On Wed, Mar 6, 2013 at 9:12 AM, Barry N1EU <barry.n1eu@...> wrote:
>
> > Your audio distorts with MIC 14, H/W MIC Gain 0 and with SP (speech
> > processor) off? Are you setting MIC so that the ALC LED just lights on
> > voice peaks?
> >
> > I assume you're going in the mic jack and have the Menu - SSB - TX Audio
> > Source set to "MIC"?
> >
> > The H/W mic gain is used if you need more mic gain than is provided by the
> > front panel MIC gain setting.
> >
> > Barry N1EU
> >
> >
> > On Wed, Mar 6, 2013 at 6:31 AM, franklincloud79 <franklincloud79@...
> > > wrote:
> >
> >> **
> >>
> >>
> >> I am trying to set up my TX audio and having trouble using a Heil
> >> proset6. I see in the menu a H/W mic gain which goes up to 18 db.
> >> I cannot find a reference to that in the manual. I could have overlooked
> >> it. I set it on zero. My audio distorts now if I go over about 14 on the
> >> mic gain. Anyone have settings used for the Heil proset 6? and what is the

> >> H/W mic gain used for? Thanks for a reply.
> >>
> >> Frank
> >>
> >>
> >>
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> >
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>
> [Non-text portions of this message have been removed]
>

9247. Re: What is the H/W mic gain setting used for on the 565 Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-06 18:10:43 UTC
From: saukp
Topic: 9243 Message: 9247

hi..

on both my 565 and 566 i have use a proset-6

I used the following settings
.
h/w mic gain = 4.0 db
front panel mic setting 35
.
tx bw setting = 2700
LF rolloff = 250
.
audio tx EQ = -15
.
SP varied from 1 to 4..usually set to 3
anything higher produce high distortion
.
it was OK but my Proset-5 produce much better audio results
which suited my tastes
.
Paul K3SF
.

see following for settings
http://www.ges.cz/sheets/h/heil_pse6.pdf

--- In orion565@yahoogroups.com, "franklincloud79" <franklincloud79@...> wrote:
>
> Barry, your assumptions are correct. Mic is the source, using the front jack. I'll try your suggestions today. If I turn the mic gain up to where the ALC just lights, there is distortion so I keep it down to where a person listening tells me it sounds better, but not great. This is around 14. BTW my power out is about half from my AL 80 A when I do that. Thanks for the reply.
>
> Frank
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> >
> > Frank your problem is that you're using TX EQ of 0dB. Set your TX EQ to
> > -15dB and see if the distortion goes away. The current iteration of the
> > Orion speech processor can not handle low frequency energy - I know this
> > from experience If you turn off SP, you can go to less bass roll off in
> > the TX EQ. Personally, I've never used less than -10dB though.
> >
> > 73,
> > Barry N1EU

> >
> > On Wed, Mar 6, 2013 at 9:12 AM, Barry N1EU <barry.n1eu@> wrote:
> >
> > > Your audio distorts with MIC 14, H/W MIC Gain 0 and with SP (speech
> > > processor) off? Are you setting MIC so that the ALC LED just lights on
> > > voice peaks?
> > >
> > > I assume you're going in the mic jack and have the Menu - SSB - TX Audio
> > > Source set to "MIC"?
> > >
> > > The H/W mic gain is used if you need more mic gain than is provided by the
> > > front panel MIC gain setting.
> > >
> > > Barry N1EU
> > >
> > >
> > > On Wed, Mar 6, 2013 at 6:31 AM, franklincloud79 <franklincloud79@
> > > > wrote:
> > >
> > >> **
> > >>
> > >>
> > >> I am trying to set up my TX audio and having trouble using a Heil
> > >> proset6. I see in the menu a H/W mic gain which goes up to 18 db.
> > >> I cannot find a reference to that in the manual. I could have overlooked
> > >> it. I set it on zero. My audio distorts now if I go over about 14 on the
> > >> mic gain. Anyone have settings used for the Heil proset 6? and what is the
> > >> H/W mic gain used for? Thanks for a reply.
> > >>
> > >> Frank
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> >
> > [Non-text portions of this message have been removed]
> >
>

9248. Re: What is the H/W mic gain setting used for on the 565 Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-06 21:26:45 UTC
From: franklincloud79
Topic: 9243 Message: 9248

Thanks for reply Paul. I did use your settings and they did not help.
I found the problem by a suggestion from another station while on the air. The problem was that I had switched from one amp to another
some distance away from the Orion. I first operated barefooted using your settings and got wonderful audio reports. Then I changed back to my amp and had distortion. Connected my initial amp to the Orion and no distortion, great signal and audio reports. I either have a bad coax jumper or a bad ground to the other amp. Thanks to you and Barry for the help and I feel much better now that I am enjoying the Orion.
I will get it fixed so I can use either amp soon.

Frank

--- In orion565@yahoogroups.com, "saukp" <saukp@...> wrote:
>
> hi..
>
> on both my 565 and 566 i have use a proset-6
>
>
> I used the following settings
> .
> h/w mic gain = 4.0 db
> front panel mic setting 35
> .
> tx bw setting = 2700
> LF rolloff = 250
> .
> audio tx EQ = -15
> .
> SP varied from 1 to 4..usually set to 3
> anything higher produce high distortion
> .
> it was OK but my Proset-5 produce much better audio results
> which suited my tastes
> .
> Paul K3SF
> .
>
>
>
>
>
>
>
> see following for settings

> http://www.ges.cz/sheets/h/heil_pse6.pdf
>
>
>
>
>
>
> --- In orion565@yahoogroups.com, "franklincloud79" <franklincloud79@> wrote:
> >
> > Barry, your assumptions are correct. Mic is the source, using the front jack. I'll try your suggestions today. If I turn the mic gain up to where the ALC just lights, there is distortion so I keep it down to where a person listening tells me it sounds better, but not great. This is around 14. BTW my power out is about half from my AL 80 A when I do that. Thanks for the reply.
> >
> > Frank
> >
> > --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> > >
> > > Frank your problem is that you're using TX EQ of 0dB. Set your TX EQ to
> > > -15dB and see if the distortion goes away. The current iteration of the
> > > Orion speech processor can not handle low frequency energy - I know this
> > > from experience If you turn off SP, you can go to less bass roll off in
> > > the TX EQ. Personally, I've never used less than -10dB though.
> > >
> > > 73,
> > > Barry N1EU
> > >
> > > On Wed, Mar 6, 2013 at 9:12 AM, Barry N1EU <barry.n1eu@> wrote:
> > >
> > > > Your audio distorts with MIC 14, H/W MIC Gain 0 and with SP (speech
> > > > processor) off? Are you setting MIC so that the ALC LED just lights on
> > > > voice peaks?
> > > >
> > > > I assume you're going in the mic jack and have the Menu - SSB - TX Audio
> > > > Source set to "MIC"?
> > > >
> > > > The H/W mic gain is used if you need more mic gain than is provided by the
> > > > front panel MIC gain setting.
> > > >
> > > > Barry N1EU
> > > >
> > > >
> > > > On Wed, Mar 6, 2013 at 6:31 AM, franklincloud79 <franklincloud79@
> > > > > wrote:
> > > >
> > > >> **
> > > >>
> > > >>
> > > >> I am trying to set up my TX audio and having trouble using a Heil

> > > >> proset6. I see in the menu a H/W mic gain which goes up to 18 db.
> > > >> I cannot find a reference to that in the manual. I could have overlooked
> > > >> it. I set it on zero. My audio distorts now if I go over about 14 on the
> > > >> mic gain. Anyone have settings used for the Heil proset 6? and what is the
> > > >> H/W mic gain used for? Thanks for a reply.
> > > >>
> > > >> Frank
> > > >>
> > > >>
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> > > [Non-text portions of this message have been removed]
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> >
>

9249. Re: What is the H/W mic gain setting used for on the 565 Orion?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-07 06:41:55 UTC
From: franklincloud79
Topic: 9243 Message: 9249

I made numerous contacts since making changes to the Orion and Amp. Great audio reports, no distortion. I have determined it was all caused by improper settings and a ground loop when I switched amplifiers due to poor practice of routing and not connecting the ground to a single point with other equipment.
Thanks for the help.

Frank

--- In orion565@yahoogroups.com, "franklincloud79" <franklincloud79@...> wrote:
>
> Thanks for reply Paul. I did use your settings and they did not help.
> I found the problem by a suggestion from another station while on the air. The problem was that I had switched from one amp to another
> some distance away from the Orion. I first operated barefooted using your settings and got wonderful audio reports. Then I changed back to my amp and had distortion. Connected my initial amp to the Orion and no distortion, great signal and audio reports. I either have a bad coax jumper or a bad ground to the other amp. Thanks to you and Barry for the help and I feel much better now that I am enjoying the Orion.
> I will get it fixed so I can use either amp soon.
>
> Frank
>
> --- In orion565@yahoogroups.com, "saukp" <saukp@> wrote:
> >
> > hi..
> >
> > on both my 565 and 566 i have use a proset-6
> >
> >
> > I used the following settings
> > .
> > h/w mic gain = 4.0 db
> > front panel mic setting 35
> > .
> > tx bw setting = 2700
> > LF rolloff = 250
> > .
> > audio tx EQ = -15
> > .
> > SP varied from 1 to 4..usually set to 3
> > anything higher produce high distortion
> > .
> > it was OK but my Proset-5 produce much better audio results
> > which suited my tastes
> > .

> > Paul K3SF
> > .
> >
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> >
> > see following for settings
> > http://www.ges.cz/sheets/h/heil_pse6.pdf
> >
> >
> >
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> >
> > --- In orion565@yahoogroups.com, "franklincloud79" <franklincloud79@> wrote:
> > >
> > > Barry, your assumptions are correct. Mic is the source, using the front jack. I'll try your suggestions today. If I turn the mic gain up to where the ALC just lights, there is distortion so I keep it down to where a person listening tells me it sounds better, but not great. This is around 14. BTW my power out is about half from my AL 80 A when I do that. Thanks for the reply.
> > >
> > > Frank
> > >
> > > --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> > > >
> > > > Frank your problem is that you're using TX EQ of 0dB. Set your TX EQ to
> > > > -15dB and see if the distortion goes away. The current iteration of the
> > > > Orion speech processor can not handle low frequency energy - I know this
> > > > from experience If you turn off SP, you can go to less bass roll off in
> > > > the TX EQ. Personally, I've never used less than -10dB though.
> > > >
> > > > 73,
> > > > Barry N1EU
> > > >
> > > > On Wed, Mar 6, 2013 at 9:12 AM, Barry N1EU <barry.n1eu@> wrote:
> > > >
> > > > > Your audio distorts with MIC 14, H/W MIC Gain 0 and with SP (speech
> > > > > processor) off? Are you setting MIC so that the ALC LED just lights on
> > > > > voice peaks?
> > > > >
> > > > > I assume you're going in the mic jack and have the Menu - SSB - TX Audio
> > > > > Source set to "MIC"?
> > > > >
> > > > > The H/W mic gain is used if you need more mic gain than is provided by the
> > > > > front panel MIC gain setting.
> > > > >

> > > > > Barry N1EU
> > > > >
> > > > >
> > > > > On Wed, Mar 6, 2013 at 6:31 AM, franklincloud79 <franklincloud79@
> > > > > > wrote:
> > > > >
> > > > >> **
> > > > >>
> > > > >>
> > > > >> I am trying to set up my TX audio and having trouble using a Heil
> > > > >> proset6. I see in the menu a H/W mic gain which goes up to 18 db.
> > > > >> I cannot find a reference to that in the manual. I could have overlooked
> > > > >> it. I set it on zero. My audio distorts now if I go over about 14 on the
> > > > >> mic gain. Anyone have settings used for the Heil proset 6? and what is the
> > > > >> H/W mic gain used for? Thanks for a reply.
> > > > >>
> > > > >> Frank
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> > > > [Non-text portions of this message have been removed]
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9250. Re: orion 565: experience blue/ white lcd

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-07 19:00:59 UTC
From: k1fpv
Topic: 9232 Message: 9250

Hi Vance,

Well, I'm somewhat lucky here in that my service equipment is in the same room as my ham gear. I made a finished room in my basement, including heat. So, just a few feet away is my spectrum analyzer, scope signal generators etc. A few times, I had trouble with rigs and used a couple long lines to couple test equipment to the radios on the operating tables. I have a couple, one that is on the QRZ page, and another with my boat anchor setups.

Having been a design engineer as well as broadcast engineer at various points in my 45+ years in electronics, I've had the opportunity to see and do a lot! I was in my senior year of college when I passed my FCC 1st. Class Radiotelephone License and worked at a local radio station till graduation. I worked the second shift and basically babysat the transmitter from 4:00pm till Midnight. I occasionally made adjustments, recorded levels, and changed antenna patterns at sundown.

It was an ideal job as I was able to do homework and study all the slow time in-between. Regarding the 105 degree C capacitors, I always try to use them even if originals were 85 degrees C. It can't hurt! ;-)

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, vance leedy <w7iex@...> wrote:
>
> Bill thanks for your input.Â
> Don't know how you got my e-mail as I had intended it for Pierre F3WT.Â In any event, we have been chatting about the odd failures of the O1's and to some extent the O2's.Â Reminds me of my days repairing large mainframe CPU's.Â Weird stuff almost impossible to pin down.Â I did not see a lot of noise on the +5 line out of the A9, but replaced the caps anyway. I measured the input to those switching transistors at around 34khz which should be pretty easy to keep clean.Â NOW I have a hard failure I can work on.Â Unfortunately, it is due to a workmanship error.Â Seems the soldering iron got damaged and instead of 700F is was only putting out 375F.Â Boy, did I do a screwed up job on those thru-holes!Â Have a couple of retired design engineeers helping we with this.Â One said if the 85C's were not up to the temp,Â I didn't need 105's, but the fire dept.hihi
> Figured I can work on this bd on the bench and don't have to cart and setup the O1 in the shop.Â It's cold here and the shop isn't very warm. (Reno, NV).Â
>
> W7IEX
> Vance Leedy
> Reno, NV
>
> --- On Tue, 3/5/13, k1fpv <k1fpv@...> wrote:
>
> From: k1fpv <k1fpv@...>
> Subject: [orion565] Re: orion 565: experience blue/ white lcd

> To: orion565@yahoogroups.com
> Date: Tuesday, March 5, 2013, 10:27 AM
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> Everything you mentioned Vance is true! Also, in the type of environment the caps on the Orion I & II power board are subjected to, you would be wise to use low ESR capacitors. There is a lot of noise and hash on those lines and low ESR caps do a better job of filtering it out. That was how I first found the bad caps in my Orion II. I happened to use my scope to measure the DC voltage and noticed all the noise on the what was supposed to be a nice clean DC voltage.
>
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>
> Bill/K1FPV
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> --- In orion565@yahoogroups.com, Vance Leedy wrote:
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>
> > As you may recall the original change on the electrolytic caps was from

>
> > 85c to 105c. My friends tell me that the advantage to that was longer
>
> > life expectancy, but not based on temp, just 105's will last longer
>
> > under same condx as 85c's.
>
> > They also told me of horror stories about Chinese caps with bad
>
> > chemicals and delayed failure!
>
> > Vance
>
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> >
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> > On 03/05/2013 06:46 AM, Pierre Rothenburger, F3WT wrote:
>
> > >
>
> > > reply to post of PA1PA:
>
> > > Hello:
>
> > > Seller of my O1 did have to replace the LCD - board, which is blue now
>
> > > indeed.
>
> > > Powering on shows - for a very brief moment though - constant fully
>
> > > stuffed spectral lines on the sweep-display, right after loading
>
> > > terminates.Duration abt. a second or so.
>
> > > Seems not to be a problem for me. Other than that, my only problem is
>
> > > those repeated "kick-starts" needed when powering ON the rig, probably
>
> > > not related to this topic here..
>
> > > (.. and reported elsewhere to this group as well as addressed,
>
> > > including by Ten Tec. Probable named culprits being electrolytic
>
> > > capacitors and more recently: Li-disk-battery (TT). A belated thanks
>
> > > again to all who replied so far)
>
> > > 73

>
> > > Pierre
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> > > F3WT
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> > [Non-text portions of this message have been removed]
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9251. Re: orion 565: experience blue/ white lcd

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-08 09:22:11 UTC
From: pa1ap
Topic: 9232 Message: 9251

Someone who can provide feedback on the original question? (see subject) Best regards, Onno

--- In orion565@yahoogroups.com, "k1fpv" <k1fpv@...> wrote:
>
> Hi Vance,
>
> Well, I'm somewhat lucky here in that my service equipment is in the same room as my ham gear. I made a finished room in my basement, including heat. So, just a few feet away is my spectrum analyzer, scope signal generators etc. A few times, I had trouble with rigs and used a couple long lines to couple test equipment to the radios on the operating tables. I have a couple, one that is on the QRZ page, and another with my boat anchor setups.
>
> Having been a design engineer as well as broadcast engineer at various points in my 45+ years in electronics, I've had the opportunity to see and do a lot! I was in my senior year of college when I passed my FCC 1st. Class Radiotelephone License and worked at a local radio station till graduation. I worked the second shift and basically babysat the transmitter from 4:00pm till Midnight. I occasionally made adjustments, recorded levels, and changed antenna patterns at sundown.
>
> It was an ideal job as I was able to do homework and study all the slow time in-between. Regarding the 105 degree C capacitors, I always try to use them even if originals were 85 degrees C. It can't hurt! ;-)
>
> 73,
> Bill/K1FPV
>
>
>
> --- In orion565@yahoogroups.com, vance leedy <w7iex@> wrote:
> >
> > Bill thanks for your input.Â
> > Don't know how you got my e-mail as I had intended it for Pierre F3WT.Â In any event, we have been chatting about the odd failures of the O1's and to some extent the O2's.Â Reminds me of my days repairing large mainframe CPU's.Â Weird stuff almost impossible to pin down.Â I did not see a lot of noise on the +5 line out of the A9, but replaced the caps anyway. I measured the input to those switching transistors at around 34khz which should be pretty easy to keep clean.Â NOW I have a hard failure I can work on.Â Unfortunately, it is due to a workmanship error.Â Seems the soldering iron got damaged and instead of 700F is was only putting out 375F.Â Boy, did I do a screwed up job on those thru-holes!Â Have a couple of retired design engineeers helping we with this.Â One said if the 85C's were not up to the temp,Â I didn't need 105's, but the fire dept.hihi
> > Figured I can work on this bd on the bench and don't have to cart and setup the O1 in the shop.Â It's cold here and the shop isn't very warm. (Reno, NV).Â
> >
> > W7IEX

> > Vance Leedy
> > Reno, NV
> >
> > --- On Tue, 3/5/13, k1fpv <k1fpv@> wrote:
> >
> > From: k1fpv <k1fpv@>
> > Subject: [orion565] Re: orion 565: experience blue/ white lcd
> > To: orion565@yahoogroups.com
> > Date: Tuesday, March 5, 2013, 10:27 AM
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> >
> > Everything you mentioned Vance is true! Also, in the type of environment the caps on the Orion I & II power board are subjected to, you would be wise to use low ESR capacitors. There is a lot of noise and hash on those lines and low ESR caps do a better job of filtering it out. That was how I first found the bad caps in my Orion II. I happened to use my scope to measure the DC voltage and noticed all the noise on the what was supposed to be a nice clean DC voltage.
> >
> >
> >
> > Bill/K1FPV
> >
> >
> >
> > --- In orion565@yahoogroups.com, Vance Leedy wrote:
> >

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> >
> > > As you may recall the original change on the electrolytic caps was from
> >
> > > 85c to 105c. My friends tell me that the advantage to that was longer
> >
> > > life expectancy, but not based on temp, just 105's will last longer
> >
> > > under same condx as 85c's.
> >
> > > They also told me of horror stories about Chinese caps with bad
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> > > Vance
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> > > > reply to post of PA1PA:
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> > > > Hello:
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> > > > Seller of my O1 did have to replace the LCD - board, which is blue now
> >
> > > > indeed.
> >
> > > > Powering on shows - for a very brief moment though - constant fully
> >
> > > > stuffed spectral lines on the sweep-display, right after loading
> >
> > > > terminates.Duration abt. a second or so.
> >
> > > > Seems not to be a problem for me. Other than that, my only problem is
> >
> > > > those repeated "kick-starts" needed when powering ON the rig, probably
> >
> > > > not related to this topic here..
> >
> > > > (.. and reported elsewhere to this group as well as addressed,
> >

> > > > including by Ten Tec. Probable named culprits being electrolytic
> >
> > > > capacitors and more recently: Li-disk-battery (TT). A belated thanks
> >
> > > > again to all who replied so far)
> >
> > > > 73
> >
> > > > Pierre
> >
> > > > F3WT
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> > [Non-text portions of this message have been removed]
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> > [Non-text portions of this message have been removed]
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9252. Re: [orion565] Re: orion 565: experience blue/ white lcd

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-08 16:34:24 UTC
From: Vance Leedy
Topic: 9232 Message: 9252

On 03/08/2013 01:22 AM, pa1ap wrote:
>
> Someone who can provide feedback on the original question? (see
> subject) Best regards, Onno
>
> -Hello Onno,
>
It started as a one-on-one e-mail exchange between Pierre and myself.
The subject of the exchange was a discussion of the 85/105C caps AND a
trend on these boards showing unusual failures on Orions. It seemed to
me that many 565's have marginal reliability as they reach 10 years of age.
That was it.
Vance
>
> >
>
>

[Non-text portions of this message have been removed]

9253. Master Reset

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-09 00:14:58 UTC
From: gmathgen
Topic: 2569 Message: 9253

Hi all,

My Orion I makes a Master Reset every time I push the ON button.
So I find myself with a display showing "Master Reset complete" and have to renew the setup procedure at every startup.
Has anybody a clue of what might be wrong?

73, George, LX1BB

9254. RE: [orion565] Master Reset

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-09 00:19:21 UTC
From: John Hudson
Topic: 2569 Message: 9254

Do you have the original battery? A weak battery will make it do funky things.

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of gmathgen
Sent: Friday, March 08, 2013 6:15 PM
To: orion565@yahoogroups.com
Subject: [orion565] Master Reset

Hi all,

My Orion I makes a Master Reset every time I push the ON button.
So I find myself with a display showing "Master Reset complete" and have to renew the
setup procedure at every startup.
Has anybody a clue of what might be wrong?

73, George, LX1BB

[Non-text portions of this message have been removed]

9255. Re: orion 565: experience blue/ white lcd

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-09 06:49:30 UTC
From: pa1ap
Topic: 9232 Message: 9255

With respect but I raised this question to the forum to ask fellow blue/white users about their experience so far regarding the actual screen behavior. Unfortunately only Piere responded . It would have been very useful to collect feedback / confirmation as I am investigating an alternative solution. Best regards, Onno

--- In orion565@yahoogroups.com, Vance Leedy <w7iex@...> wrote:
>
> On 03/08/2013 01:22 AM, pa1ap wrote:
> >
> > Someone who can provide feedback on the original question? (see
> > subject) Best regards, Onno
> >
> > -Hello Onno,
> >
> It started as a one-on-one e-mail exchange between Pierre and myself.
> The subject of the exchange was a discussion of the 85/105C caps AND a
> trend on these boards showing unusual failures on Orions. It seemed to
> me that many 565's have marginal reliability as they reach 10 years of age.
> That was it.
> Vance
> >
> > >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

9256. Re: [orion565] Re: orion 565: experience blue/ white lcd

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-09 10:23:07 UTC
From: Barry N1EU
Topic: 9232 Message: 9256

Onno, I can only encourage whatever investigation you are doing. This is a
VERY important issue with EVERY Orion out there.

Whatever investigation you're doing, THANK YOU ;-)

73,
Barry N1EU

On Sat, Mar 9, 2013 at 6:49 AM, pa1ap <pa1ap@...> wrote:

> **
>
>
> With respect but I raised this question to the forum to ask fellow
> blue/white users about their experience so far regarding the actual screen
> behavior. Unfortunately only Piere responded . It would have been very
> useful to collect feedback / confirmation as I am investigating an
> alternative solution. Best regards, Onno
>
>
> --- In orion565@yahoogroups.com, Vance Leedy <w7iex@...> wrote:
> >
> > On 03/08/2013 01:22 AM, pa1ap wrote:
> > >
> > > Someone who can provide feedback on the original question? (see
> > > subject) Best regards, Onno
> > >
> > > -Hello Onno,
> > >
> > It started as a one-on-one e-mail exchange between Pierre and myself.
> > The subject of the exchange was a discussion of the 85/105C caps AND a
> > trend on these boards showing unusual failures on Orions. It seemed to
> > me that many 565's have marginal reliability as they reach 10 years of
> age.
> > That was it.
> > Vance
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> > [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

9257. Re: [orion565] Master Reset

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-09 14:44:30 UTC
From: Georges Mathgen
Topic: 2569 Message: 9257

I replaced an 8 year old battery with a new one from Tentec 2 months ago without any problems.

George, LX1BB

On Mar 9, 2013, at 1:19 AM, John Hudson <jd_hudson@...> wrote:

> Do you have the original battery? A weak battery will make it do funky
> things.
>
> John
>
> KO4XJ
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of gmathgen
> Sent: Friday, March 08, 2013 6:15 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Master Reset
>
> Hi all,
>
> My Orion I makes a Master Reset every time I push the ON button.
> So I find myself with a display showing "Master Reset complete" and have to
> renew the
> setup procedure at every startup.
> Has anybody a clue of what might be wrong?
>
> 73, George, LX1BB
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

9258. no subject

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-12 14:49:31 UTC
From: richard pumphrey
Topic: 9258 Message: 9258

http://trirung.com/borbxnmg/dpecwncekzrsu.htm

[Non-text portions of this message have been removed]

9259. Orion to Yaesu BCD encoder band swicthing

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-14 14:09:32 UTC
From: saukp
Topic: 9259 Message: 9259

FYI

TO ALL

i uploaded file 'OrionBandData.pdf" which has AD5X design for a encoder which takes the band data output of an Orion and converts to proper levels the BCD data needed to band switching of yaesu as well as icom amplifiers.

I recommend this design as I have used it for many years now...

My thanks to AD5X for the design

Paul K3SF

9260. Re: Orion to Yaesu BCD encoder band swicthing

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-15 12:48:36 UTC
From: dh7lk
Topic: 9259 Message: 9260

--- In orion565@yahoogroups.com, "saukp" <saukp@...> wrote:
>
> FYI
>
> TO ALL
>
> i uploaded file 'OrionBandData.pdf" which has AD5X design for a encoder which takes the band data output of an Orion and converts to proper levels the BCD data needed to band switching of yaesu as well as icom amplifiers.
>
> I recommend this design as I have used it for many years now...
>
> My thanks to AD5X for the design
>
> Paul K3SF
>

Thank you, good documentation!
73, Lutz

9261. White lines on Orion LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-15 20:44:00 UTC
From: R S
Topic: 9261 Message: 9261

My Orion has gradually developed a set of about 12 bright white horizontal lines that go across the LCD screen. They are spaced at random intervals and eliminate the black numbers and letters that they cross. The screen is becoming difficult to read, although the N4PY software allows me to see it on the computer. I tried taking the front panel off, pulling all of the interconnecting cables and treating them with Cramolin and reseating them, but that had no effect (except to fix the RIT/XIT that weren't working). Is there a fix for this problem or am I going to have to buy a replacement LCD?

Thanks and 73,
Stan, W4AG

9262. Re: [orion565] White lines on Orion LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-15 23:22:28 UTC
From: Fernando
Topic: 9261 Message: 9262

"Orion Internal Contrast Control

From the Orion Reflector April 3, 2006

The internal contrast needs to be set. This control is accessible through a small hole on the bottom right of the front panel (looking from the front) with the bottom cover removed. Set the internal contrast to 50% and adjust this control for proper contrast.

73,
Paul R. Clinton
WD4EBR
Service Manager
"

Fernando N2FQ/6
n2fq@...

On Mar 15, 2013, at 1:44 PM, R S <w4ag@...> wrote:

> My Orion has gradually developed a set of about 12 bright white horizontal lines that go across the LCD screen. They are spaced at random intervals and eliminate the black numbers and letters that they cross. The screen is becoming difficult to read, although the N4PY software allows me to see it on the computer. I tried taking the front panel off, pulling all of the interconnecting cables and treating them with Cramolin and reseating them, but that had no effect (except to fix the RIT/XIT that weren't working). Is there a fix for this problem or am I going to have to buy a replacement LCD?
>
> Thanks and 73,
> Stan, W4AG
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

9263. Re: White lines on Orion LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-16 06:41:55 UTC
From: pa1ap
Topic: 9261 Message: 9263

Its a good suggestion to check contrast but most likely you have bad connection between the lcd foil and lcd module. If so, time to replace the lcd.

Regarding contrast control; the contrast potentiometer AND menu contrast control work together in the same circuit. If you can vary the contrast from complete black to complete white using the menu control there is no reason to tweak the potentiometer. The potentiometer is there to bring the contrast level in the neighborhood of good and the menu setting is there to fine tune it. And its convenient to adjust the potentiometer in such way that good contrast matches the default menu setting of 50%...

I am saving some cash to order true black and white lcd replacement. Its also using newer technollogy and it should be more crisp to look at as well contain onboard contrast circuitry. Goal is to arrive at better visibility, less puixel noise, less temperature variation. Lcd unit is around $80 and unfortunately for me the shipment and import tax exceeds that..... yuk.

Best regards, Onno

--- In orion565@yahoogroups.com, Fernando <n2fq@...> wrote:
>
> "Orion Internal Contrast Control
>
> From the Orion Reflector April 3, 2006
>
> The internal contrast needs to be set. This control is accessible through a small hole on the bottom right of the front panel (looking from the front) with the bottom cover removed. Set the internal contrast to 50% and adjust this control for proper contrast.
>
> 73,
> Paul R. Clinton
> WD4EBR
> Service Manager
> "
>
>
> Fernando N2FQ/6
> n2fq@...
>
>
>
>
> On Mar 15, 2013, at 1:44 PM, R S <w4ag@...> wrote:
>
> > My Orion has gradually developed a set of about 12 bright white horizontal lines that go across the LCD screen. They are spaced at random intervals and eliminate the black numbers and letters that they cross. The screen is becoming difficult to read, although the

N4PY software allows me to see it on the computer. I tried taking the front panel off, pulling all of the interconnecting cables and treating them with Cramolin and reseating them, but that had no effect (except to fix the RIT/XIT that weren't working). Is there a fix for this problem or am I going to have to buy a replacement LCD?
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> > Thanks and 73,
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9264. Re: [orion565] Re: White lines on Orion LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-16 12:48:41 UTC
From: K9UW
Topic: 9261 Message: 9264

Onno, where is the source for the replacement black and white LCD? I would be interested in knowing, in case my 565 ever needs a replacement.

73

De Mike, K9UW

On Mar 16, 2013, at 1:41 AM, "pa1ap" <pa1ap@...> wrote:

> Its a good suggestion to check contrast but most likely you have bad connection between the lcd foil and lcd module. If so, time to replace the lcd.
>
> Regarding contrast control; the contrast potentiometer AND menu contrast control work together in the same circuit. If you can vary the contrast from complete black to complete white using the menu control there is no reason to tweak the potentiometer. The potentiometer is there to bring the contrast level in the neighborhood of good and the menu setting is there to fine tune it. And its convenient to adjust the potentiometer in such way that good contrast matches the default menu setting of 50%...
>
> I am saving some cash to order true black and white lcd replacement. Its also using newer technollogy and it should be more crisp to look at as well contain onboard contrast circuitry. Goal is to arrive at better visibility, less puixel noise, less temperature variation. Lcd unit is around $80 and unfortunately for me the shipment and import tax exceeds that..... yuk.
>
> Best regards, Onno
>
> --- In orion565@yahoogroups.com, Fernando <n2fq@...> wrote:
> >
> > "Orion Internal Contrast Control
> >
> > From the Orion Reflector April 3, 2006
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> > The internal contrast needs to be set. This control is accessible through a small hole on the bottom right of the front panel (looking from the front) with the bottom cover removed. Set the internal contrast to 50% and adjust this control for proper contrast.
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> > 73,
> > Paul R. Clinton
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> >
> > Fernando N2FQ/6
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> >
> > On Mar 15, 2013, at 1:44 PM, R S <w4ag@...> wrote:
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> > > My Orion has gradually developed a set of about 12 bright white horizontal lines that go across the LCD screen. They are spaced at random intervals and eliminate the black numbers and letters that they cross. The screen is becoming difficult to read, although the N4PY software allows me to see it on the computer. I tried taking the front panel off, pulling all of the interconnecting cables and treating them with Cramolin and reseating them, but that had no effect (except to fix the RIT/XIT that weren't working). Is there a fix for this problem or am I going to have to buy a replacement LCD?
> > >
> > > Thanks and 73,
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9265. Re: White lines on Orion LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-16 14:21:49 UTC
From: R S
Topic: 9261 Message: 9265

Ohno,

Yes, I tried the potentiometer adjustment but it did not make any difference. I have uploaded two photos of the screen to the photos section of the Yahoo group. One of them has the contrast turned all the way down so you can see the white lines better. I have a feeling I am going to have to replace the LCD. What is your source for the $80 replacement? If I sent you one labeled "gift" would you still have to pay the import tax?

Thanks,
Stan, W4AG

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Its a good suggestion to check contrast but most likely you have bad connection between the lcd foil and lcd module. If so, time to replace the lcd.
>
> Regarding contrast control; the contrast potentiometer AND menu contrast control work together in the same circuit. If you can vary the contrast from complete black to complete white using the menu control there is no reason to tweak the potentiometer. The potentiometer is there to bring the contrast level in the neighborhood of good and the menu setting is there to fine tune it. And its convenient to adjust the potentiometer in such way that good contrast matches the default menu setting of 50%...
>
> I am saving some cash to order true black and white lcd replacement. Its also using newer technollogy and it should be more crisp to look at as well contain onboard contrast circuitry. Goal is to arrive at better visibility, less puixel noise, less temperature variation. Lcd unit is around $80 and unfortunately for me the shipment and import tax exceeds that..... yuk.
>
> Best regards, Onno
>
>
> --- In orion565@yahoogroups.com, Fernando <n2fq@> wrote:
> >
> > "Orion Internal Contrast Control
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> > From the Orion Reflector April 3, 2006
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> > The internal contrast needs to be set. This control is accessible through a small hole on the bottom right of the front panel (looking from the front) with the bottom cover removed. Set the internal contrast to 50% and adjust this control for proper contrast.
> >
> > 73,
> > Paul R. Clinton
> > WD4EBR
> > Service Manager

> > "
> >
> >
> > Fernando N2FQ/6
> > n2fq@
> >
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> >
> > On Mar 15, 2013, at 1:44 PM, R S <w4ag@> wrote:
> >
> > > My Orion has gradually developed a set of about 12 bright white horizontal lines that go across the LCD screen. They are spaced at random intervals and eliminate the black numbers and letters that they cross. The screen is becoming difficult to read, although the N4PY software allows me to see it on the computer. I tried taking the front panel off, pulling all of the interconnecting cables and treating them with Cramolin and reseating them, but that had no effect (except to fix the RIT/XIT that weren't working). Is there a fix for this problem or am I going to have to buy a replacement LCD?
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> > > Thanks and 73,
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> > > [Non-text portions of this message have been removed]
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9266. RE: [orion565] White lines on Orion LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-16 14:44:19 UTC
From: Stan
Topic: 9261 Message: 9266

Thank you, Paul. I tried changing the pot, but it did not make any difference. I have uploaded photos of the LCD to the Yahoo Orion565 group site. Do you still have replacement screens for the 565?

Thanks,

Stan, W4AG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Fernando
Sent: Friday, March 15, 2013 7:22 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] White lines on Orion LCD

"Orion Internal Contrast Control

From the Orion Reflector April 3, 2006

The internal contrast needs to be set. This control is accessible through a small hole on the bottom right of the front panel (looking from the front) with the bottom cover removed. Set the internal contrast to 50% and adjust this control for proper contrast.

73,
Paul R. Clinton
WD4EBR
Service Manager
"

Fernando N2FQ/6
n2fq@... <mailto:n2fq%40sbcglobal.net>

On Mar 15, 2013, at 1:44 PM, R S <w4ag@... <mailto:w4ag%40yahoo.com> > wrote:

> My Orion has gradually developed a set of about 12 bright white horizontal lines that go across the LCD screen. They are spaced at random intervals and eliminate the black numbers and letters that they cross. The screen is becoming difficult to read, although the N4PY software allows me to see it on the computer. I tried taking the front panel off, pulling all of the interconnecting cables and treating them with Cramolin and reseating them, but that had no effect (except to fix the RIT/XIT that weren't working). Is there a fix for this problem or am I going to have to buy a

replacement LCD?
>
> Thanks and 73,
> Stan, W4AG
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> Yahoo! Groups Links
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9267. Re: White lines on Orion LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-16 17:30:53 UTC
From: pa1ap
Topic: 9261 Message: 9267

The pictures confirm the horizontal lines are indeed not controlled. Did this occur gradually or suddenly?

On the replacement LCD;

1- TenTec offers a replacement screen. This would be the first source for all to use IMHO

2- I am investigating an alternative since I personally don't like the blue/white replacement display as offered

2a- you can experiment with alternative newhaven displays but you need to create you own connection cable as well figure out the logic. Newhaven screens are around $80.

2b- the display is actually standard 5.7" display and there are various sources which provide this. Pricing around $60.

3- for 2a/2b you have to take into account it will not be plug and play. Some displays require controller chip to be removed first... I am investigating a complete display kit. The risk for me is that I am investing without return on investment. Part of the hobby I guess ;-)

Best regards, Onno

--- In orion565@yahoogroups.com, "R S" <w4ag@...> wrote:
>
> Ohno,
>
> Yes, I tried the potentiometer adjustment but it did not make any difference. I have uploaded two photos of the screen to the photos section of the Yahoo group. One of them has the contrast turned all the way down so you can see the white lines better. I have a feeling I am going to have to replace the LCD. What is your source for the $80 replacement? If I sent you one labeled "gift" would you still have to pay the import tax?
>
> Thanks,
> Stan, W4AG
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Its a good suggestion to check contrast but most likely you have bad connection between the lcd foil and lcd module. If so, time to replace the lcd.
> >
> > Regarding contrast control; the contrast potentiometer AND menu contrast control work together in the same circuit. If you can vary the contrast from complete black to complete white using the menu control there is no reason to tweak the potentiometer. The potentiometer is there to bring the contrast level in the neighborhood of good and the menu setting is there to fine tune it. And its convenient to adjust the potentiometer in such way that good contrast matches the default menu setting of 50%...

> >
> > I am saving some cash to order true black and white lcd replacement. Its also using newer technollogy and it should be more crisp to look at as well contain onboard contrast circuitry. Goal is to arrive at better visibility, less puixel noise, less temperature variation. Lcd unit is around $80 and unfortunately for me the shipment and import tax exceeds that..... yuk.
> >
> > Best regards, Onno
> >
> >
> > --- In orion565@yahoogroups.com, Fernando <n2fq@> wrote:
> > >
> > > "Orion Internal Contrast Control
> > >
> > > From the Orion Reflector April 3, 2006
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> > > The internal contrast needs to be set. This control is accessible through a small hole on the bottom right of the front panel (looking from the front) with the bottom cover removed. Set the internal contrast to 50% and adjust this control for proper contrast.
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> > > 73,
> > > Paul R. Clinton
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> > > On Mar 15, 2013, at 1:44 PM, R S <w4ag@> wrote:
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9268. Re: [orion565] Re: White lines on Orion LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-16 17:34:32 UTC
From: Barry N1EU
Topic: 9261 Message: 9268

On Sat, Mar 16, 2013 at 5:30 PM, pa1ap <pa1ap@...> wrote:

> **
> I am investigating a complete display kit. The risk for me is that I am
> investing without return on investment. Part of the hobby I guess ;-)
>
>
> Onno, if it works out, I'm sure you will have plenty of customers!!!

73,
Barry N1EU

[Non-text portions of this message have been removed]

9269. RE: [orion565] Re: White lines on Orion LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-16 18:15:37 UTC
From: Stan
Topic: 9261 Message: 9269

Ohno,

Thanks for the info. The white lines appeared gradually, over the course of several months. I didn't worry too much about them because I thought that cleaning the connections would make them go away. But no such luck. I guess I will have to call TenTec on Monday to order a replacement.

Please do keep working on your solution. If this happened to my Orion, it is probably going to happen to more of them in the future. If you could come up with something in color you would really be popular!

73,

Stan, W4AG

From: orion565@yahoogroups.com
[mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Saturday, March 16, 2013 1:31 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: White lines on Orion LCD

The pictures confirm the horizontal lines are indeed not controlled. Did this occur gradually or suddenly?

On the replacement LCD;

1- TenTec offers a replacement screen. This would be the first source for all to use IMHO

2- I am investigating an alternative since I personally don't like the blue/white replacement display as offered

2a- you can experiment with alternative newhaven displays but you need to create you own connection cable as well figure out the logic. Newhaven screens are around $80.

2b- the display is actually standard 5.7" display and there are various sources which provide this. Pricing around $60.

3- for 2a/2b you have to take into account it will not be plug and play. Some displays require controller chip to be removed first... I am investigating a complete display kit. The risk for me is that I am investing without return on investment. Part of the hobby I guess ;-)

Best regards, Onno

--- In orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com> , "R S" <w4ag@...>
wrote:
>
> Ohno,
>
> Yes, I tried the potentiometer adjustment but it did not
make any difference. I have uploaded two photos of the
screen to the photos section of the Yahoo group. One of them
has the contrast turned all the way down so you can see the
white lines better. I have a feeling I am going to have to
replace the LCD. What is your source for the $80
replacement? If I sent you one labeled "gift" would you
still have to pay the import tax?
>
> Thanks,
> Stan, W4AG
>
> --- In orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com> , "pa1ap" <pa1ap@>
wrote:
> >
> > Its a good suggestion to check contrast but most likely
you have bad connection between the lcd foil and lcd module.
If so, time to replace the lcd.
> >
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> > I am saving some cash to order true black and white lcd
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be more crisp to look at as well contain onboard contrast
circuitry. Goal is to arrive at better visibility, less
puixel noise, less temperature variation. Lcd unit is around
$80 and unfortunately for me the shipment and import tax
exceeds that..... yuk.
> >
> > Best regards, Onno
> >
> >
> > --- In orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com> , Fernando <n2fq@>
wrote:
> > >

> > > "Orion Internal Contrast Control
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> > > From the Orion Reflector April 3, 2006
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> > >
> > > Fernando N2FQ/6
> > > n2fq@
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> > >
> > > On Mar 15, 2013, at 1:44 PM, R S <w4ag@> wrote:
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> > > > My Orion has gradually developed a set of about 12 bright white horizontal lines that go across the LCD screen. They are spaced at random intervals and eliminate the black numbers and letters that they cross. The screen is becoming difficult to read, although the N4PY software allows me to see it on the computer. I tried taking the front panel off, pulling all of the interconnecting cables and treating them with Cramolin and reseating them, but that had no effect (except to fix the RIT/XIT that weren't working). Is there a fix for this problem or am I going to have to buy a replacement LCD?
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> > > > Thanks and 73,
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9270. Re: [orion565] Re: White lines on Orion LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-16 19:15:46 UTC
From: Barry N1EU
Topic: 9261 Message: 9270

On Sat, Mar 16, 2013 at 6:15 PM, Stan <w4ag@...> wrote:

> **
>
>
> If you could come up with something in color you
> would really be popular!
>
> A multi-color display on an Orion 565? I'm not seeing it.

73,
Barry N1EU

[Non-text portions of this message have been removed]

9271. RE: [orion565] Re: White lines on Orion LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-16 19:45:58 UTC
From: Stan
Topic: 9261 Message: 9271

I agree, Barry. I doubt if the processor has enough oomph.
But we can dream.

73,

Stan, W4AG

From: orion565@yahoogroups.com
[mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Saturday, March 16, 2013 3:16 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: White lines on Orion LCD

On Sat, Mar 16, 2013 at 6:15 PM, Stan <w4ag@...
<mailto:w4ag%40yahoo.com> > wrote:

> **
>
>
> If you could come up with something in color you
> would really be popular!
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> A multi-color display on an Orion 565? I'm not seeing it.

73,
Barry N1EU

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9272. Re: White lines on Orion LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-17 17:24:33 UTC
From: pa1ap
Topic: 9261 Message: 9272

Some background thought:

1- the 565 display is directly controlled by the cpu aand does not contain the nowadays common display driver chips.

2- the 565 display has standard 5.7" size and there are several replacements available but most cause an issue as described in point #1

3- most display units offer so called cn1 and cn2 connectors. One is direct without driver chips. But schematics need to be available to check if its compatible with the orion environment. And schematics are hard to get.

4- I am also investigating writing an orion to common display interface. This way most display units can be connected. Another advantage could be to use the same interface to provide an external vga port. Then you can connect a monitor to the orion. Challenge would be the resolution towards the vga screen.

5- with point 4 theoretically a color display can be driven using a two color plan. Background and foreground would be programmable.

Its complex but fun to learn too. Best regards, Onno

--- In orion565@yahoogroups.com, "Stan" <w4ag@...> wrote:
>
> I agree, Barry. I doubt if the processor has enough oomph.
> But we can dream.
>
>
>
> 73,
>
> Stan, W4AG
>
>
>
> From: orion565@yahoogroups.com
> [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
> Sent: Saturday, March 16, 2013 3:16 PM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Re: White lines on Orion LCD
>
>
>
>
>
> On Sat, Mar 16, 2013 at 6:15 PM, Stan <w4ag@...
> <mailto:w4ag%40yahoo.com> > wrote:

>
> > **
> >
> >
> > If you could come up with something in color you
> > would really be popular!
> >
> > A multi-color display on an Orion 565? I'm not seeing it.
>
> 73,
> Barry N1EU
>
> [Non-text portions of this message have been removed]
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9273. Re: White lines on Orion LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-17 17:35:07 UTC
From: pa1ap
Topic: 9261 Message: 9273

Another weird/wacky idea I am investigating / dreaming about;

1- build a lcd driver converter and offer a dedicated (usb) interface

2- when (usb) interface is connected the converter will stream the information to the computer

3- at computer the stream can be processed into a visual representation.

4- since the format is known the visual representation can be made touch sensible by mouse. This way functions can be changed by selecting it by mouse.

Best regards, Onno

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Some background thought:
>
> 1- the 565 display is directly controlled by the cpu aand does not contain the nowadays common display driver chips.
>
> 2- the 565 display has standard 5.7" size and there are several replacements available but most cause an issue as described in point #1
>
> 3- most display units offer so called cn1 and cn2 connectors. One is direct without driver chips. But schematics need to be available to check if its compatible with the orion environment. And schematics are hard to get.
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>
> 5- with point 4 theoretically a color display can be driven using a two color plan. Background and foreground would be programmable.
>
> Its complex but fun to learn too. Best regards, Onno
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> --- In orion565@yahoogroups.com, "Stan" <w4ag@> wrote:
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> > I agree, Barry. I doubt if the processor has enough oomph.
> > But we can dream.
> >
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> >
> > 73,

> >
> > Stan, W4AG
> >
> >
> >
> > From: orion565@yahoogroups.com
> > [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
> > Sent: Saturday, March 16, 2013 3:16 PM
> > To: orion565@yahoogroups.com
> > Subject: Re: [orion565] Re: White lines on Orion LCD
> >
> >
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> >
> >
> > On Sat, Mar 16, 2013 at 6:15 PM, Stan <w4ag@
> > <mailto:w4ag%40yahoo.com> > wrote:
> >
> > > **
> > >
> > >
> > > If you could come up with something in color you
> > > would really be popular!
> > >
> > > A multi-color display on an Orion 565? I'm not seeing it.
> >
> > 73,
> > Barry N1EU
> >
> > [Non-text portions of this message have been removed]
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> >
> >
> > [Non-text portions of this message have been removed]
> >
>

9274. RE: [orion565] Re: White lines on Orion LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-17 19:35:42 UTC
From: Stan
Topic: 9261 Message: 9274

You can actually do this now using N4PY's rig control software. In fact, it has occurred to me that you could load the N4PY to a tablet, giving you touchscreen control of the radio. Then, with a wireless headset/mike, you could control and operate your radio from anywhere.

73,

Stan, W4AG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Sunday, March 17, 2013 1:35 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: White lines on Orion LCD

Another weird/wacky idea I am investigating / dreaming about;

1- build a lcd driver converter and offer a dedicated (usb) interface

2- when (usb) interface is connected the converter will stream the information to the computer

3- at computer the stream can be processed into a visual representation.

4- since the format is known the visual representation can be made touch sensible by mouse. This way functions can be changed by selecting it by mouse.

Best regards, Onno

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "pa1ap" <pa1ap@...> wrote:
>
> Some background thought:
>
> 1- the 565 display is directly controlled by the cpu aand does not contain the nowadays common display driver chips.
>
> 2- the 565 display has standard 5.7" size and there are several replacements available but most cause an issue as described in point #1
>

> 3- most display units offer so called cn1 and cn2
connectors. One is direct without driver chips. But
schematics need to be available to check if its compatible
with the orion environment. And schematics are hard to get.
>
> 4- I am also investigating writing an orion to common
display interface. This way most display units can be
connected. Another advantage could be to use the same
interface to provide an external vga port. Then you can
connect a monitor to the orion. Challenge would be the
resolution towards the vga screen.
>
> 5- with point 4 theoretically a color display can be
driven using a two color plan. Background and foreground
would be programmable.
>
> Its complex but fun to learn too. Best regards, Onno
>
> --- In orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com> , "Stan" <w4ag@> wrote:
> >
> > I agree, Barry. I doubt if the processor has enough
oomph.
> > But we can dream.
> >
> >
> >
> > 73,
> >
> > Stan, W4AG
> >
> >
> >
> > From: orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>] On Behalf Of Barry
N1EU
> > Sent: Saturday, March 16, 2013 3:16 PM
> > To: orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>
> > Subject: Re: [orion565] Re: White lines on Orion LCD
> >
> >
> >
> >
> >
> > On Sat, Mar 16, 2013 at 6:15 PM, Stan <w4ag@
> > <mailto:w4ag%40yahoo.com> > wrote:
> >

> > > **
> > >
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> > > If you could come up with something in color you
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> > >
> > > A multi-color display on an Orion 565? I'm not seeing
it.
> >
> > 73,
> > Barry N1EU
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

[Non-text portions of this message have been removed]

9275. RE: [orion565] Re: White lines on Orion LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-17 19:35:42 UTC
From: Stan
Topic: 9261 Message: 9275

Ohno,

I hope your work on the common display interface continues.
Many of us would be interested in the results.

73,

Stan, W4AG

From: orion565@yahoogroups.com
[mailto:orion565@yahoogroups.com] On Behalf Of pa1ap
Sent: Sunday, March 17, 2013 1:25 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: White lines on Orion LCD

Some background thought:

1- the 565 display is directly controlled by the cpu aand
does not contain the nowadays common display driver chips.

2- the 565 display has standard 5.7" size and there are
several replacements available but most cause an issue as
described in point #1

3- most display units offer so called cn1 and cn2
connectors. One is direct without driver chips. But
schematics need to be available to check if its compatible
with the orion environment. And schematics are hard to get.

4- I am also investigating writing an orion to common
display interface. This way most display units can be
connected. Another advantage could be to use the same
interface to provide an external vga port. Then you can
connect a monitor to the orion. Challenge would be the
resolution towards the vga screen.

5- with point 4 theoretically a color display can be driven
using a two color plan. Background and foreground would be
programmable.

Its complex but fun to learn too. Best regards, Onno

--- In orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com> , "Stan" <w4ag@...>
wrote:
>
> I agree, Barry. I doubt if the processor has enough oomph.
> But we can dream.

>
>
>
> 73,
>
> Stan, W4AG
>
>
>
> From: orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>] On Behalf Of Barry
N1EU
> Sent: Saturday, March 16, 2013 3:16 PM
> To: orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] Re: White lines on Orion LCD
>
>
>
>
>
> On Sat, Mar 16, 2013 at 6:15 PM, Stan <w4ag@...
<mailto:w4ag@...%0b>
> <mailto:w4ag%40yahoo.com> > wrote:
>
> > **
> >
> >
> > If you could come up with something in color you
> > would really be popular!
> >
> > A multi-color display on an Orion 565? I'm not seeing
it.
>
> 73,
> Barry N1EU
>
> [Non-text portions of this message have been removed]
>
>
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> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

9276. Orion vs ARRL

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-17 21:25:31 UTC
From: Simone IZ5DKJ
Topic: 9261 Message: 9276

Hi Guys,
according to the ARRL the kenwood TS590 is more efficient than the
TenTec ORIONII.
Can be trusted a test like this?
Look : http://www.remeeus.eu/hamradio/pa1hr/productreview.htm

73 Simone IZ5DKJ

9277. Re: [orion565] Orion vs ARRL

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-17 22:14:05 UTC
From: Barry N1EU
Topic: 9261 Message: 9277

Please take into account that there might be a difference in the numbers
when comparing the older product reviews (before February 2007) compared to
the later product reviews, due to *changes in the testing methodology*,
measurements filters, etcetera.

TenTec Orion-II, September 2006
Kenwood TS-590S, May 2011

Barry N1EU

On Sun, Mar 17, 2013 at 9:25 PM, Simone IZ5DKJ <iz5dkj@...> wrote:

> **
>
>
> Hi Guys,
> according to the ARRL the kenwood TS590 is more efficient than the
> TenTec ORIONII.
> Can be trusted a test like this?
> Look : http://www.remeeus.eu/hamradio/pa1hr/productreview.htm
>
> 73 Simone IZ5DKJ
>
>

[Non-text portions of this message have been removed]

9278. Anyone going to ditch their Orion for a Kenwood TS-990?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-21 01:47:32 UTC
From: k7fd
Topic: 9278 Message: 9278

Been on youtube looking and listening to several videos of the new Kenwood TS-990. It certainly looks like an electronic marvel but I can't determine if the receive audio is that harsh and metallic sounding or whether I'm losing something in the translation along the way. The DSP NR definitely adds discoloration, like they all seem to do. All in all, I don't see any reason to abandon my Orion II...

73 John K7FD

9279. Re: [orion565] Anyone going to ditch their Orion for a Kenwood TS-990?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-21 08:36:30 UTC
From: Sam W Jacobs CET
Topic: 9278 Message: 9279

I have never known Kenwood for "bad" audio, receive or transmit. That is their trade-mark (remember the Kenwood home stereo systems ?). I just never liked their "look and feel". I like a nice screen like is found on the ORION II and ICOM 756(series), ICOM 7700 and 7800.

I also looked at the 990 and was SUPER impressed ! I'm not sure what they are asking but at some point (let's be honest) I might consider it. It's unclear if I would ditch my ORION II for the cash down payment, or keep it and buy the 990 outright, but this is the first Kenwood that I've seen that I've actually liked. Looks like Kenwood is allowing for real time imaging on their two displays, awesome !

73 !

Sam
K3SAM

From: k7fd <wolfmanjack@...>
To: orion565@yahoogroups.com
Sent: Wednesday, March 20, 2013 9:47 PM
Subject: [orion565] Anyone going to ditch their Orion for a Kenwood TS-990?

Been on youtube looking and listening to several videos of the new Kenwood TS-990. It certainly looks like an electronic marvel but I can't determine if the receive audio is that harsh and metallic sounding or whether I'm losing something in the translation along the way. The DSP NR definitely adds discoloration, like they all seem to do. All in all, I don't see any reason to abandon my Orion II...

73 John K7FD

[Non-text portions of this message have been removed]

9280. Re: [orion565] Anyone going to ditch their Orion for a Kenwood TS-990?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-21 10:30:29 UTC
From: jack
Topic: 9278 Message: 9280

Just for kicks, Google "Ten Tec Technical Support" and "Kenwood Technical Support" then compare the results. I rest my case.
73,
Jack-W9OWO

-------Original Message-------
From: Sam W Jacobs CET
To: orion565@yahoogroups.com
Subject: Re: [orion565] Anyone going to ditch their Orion for a Kenwood TS-990?
Sent: Mar 21 '13 3:36am

I have never known Kenwood for "bad" audio, receive or transmit. That is their trade-mark (remember the Kenwood home stereo systems ?). I just never liked their "look and feel". I like a nice screen like is found on the ORION II and ICOM 756(series), ICOM 7700 and 7800.

I also looked at the 990 and was SUPER impressed ! I'm not sure what they are asking but at some point (let's be honest) I might consider it. It's unclear if I would ditch my ORION II for the cash down payment, or keep it and buy the 990 outright, but this is the first Kenwood that I've seen that I've actually liked. Looks like Kenwood is allowing for real time imaging on their two displays, awesome !

73 !

Sam
K3SAM

_____
From: k7fd <[LINK: mailto:wolfmanjack%40charter.net] wolfmanjack@...>
To: [LINK: mailto:orion565%40yahoogroups.com] orion565@yahoogroups.com
Sent: Wednesday, March 20, 2013 9:47 PM
Subject: [orion565] Anyone going to ditch their Orion for a Kenwood TS-990?

Been on youtube looking and listening to several videos of the new Kenwood TS-990. It certainly looks like an electronic marvel but I can't determine if the receive audio is that harsh and metallic sounding or whether I'm losing something in the translation along the way. The DSP NR definitely adds discoloration, like they all seem to do. All in all, I don't see any reason to abandon my Orion II...

73 John K7FD

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9281. Re: [orion565] Anyone going to ditch their Orion for a Kenwood TS-990?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-21 12:53:14 UTC
From: wolfmanjack@...
Topic: 9278 Message: 9281

HRO Discount Price: $7,999.95

On Thu, Mar 21, 2013 at 1:36 AM, Sam W Jacobs CET wrote:

I have never known Kenwood for "bad" audio, receive or transmit.
That is their trade-mark (remember the Kenwood home stereo systems ?).
I just never liked their "look and feel". I like a nice screen like is
found on the ORION II and ICOM 756(series), ICOM 7700 and 7800.

I also looked at the 990 and was SUPER impressed ! I'm not sure what
they are asking but at some point (let's be honest) I might consider
it. It's unclear if I would ditch my ORION II for the cash down
payment, or keep it and buy the 990 outright, but this is the first
Kenwood that I've seen that I've actually liked. Looks like Kenwood is
allowing for real time imaging on their two displays, awesome !

73 !

Sam
K3SAM

From: k7fd < wolfmanjack@...
<javascript:parent.wgMail.openComposeWindow('wolfmanjack@charter.net')>
>
To: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
Sent: Wednesday, March 20, 2013 9:47 PM
Subject: [orion565] Anyone going to ditch their Orion for a Kenwood
TS-990?

Been on youtube looking and listening to several videos of the new
Kenwood TS-990. It certainly looks like an electronic marvel but I can't
determine if the receive audio is that harsh and metallic sounding or
whether I'm losing something in the translation along the way. The DSP
NR definitely adds discoloration, like they all seem to do. All in all,
I don't see any reason to abandon my Orion II...

73 John K7FD

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

9282. Re: [orion565] Anyone going to ditch their Orion for a Kenwood TS-990?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-21 14:03:39 UTC
From: Barry N1EU
Topic: 9278 Message: 9282

On Thu, Mar 21, 2013 at 12:53 PM, <wolfmanjack@...> wrote:

> **
>
> HRO Discount Price: $7,999.95
>
>

I think Kenwood took the hybrid analog/digital hf xcvr about as far as it will go with the TS-990S. I wonder when someone will produce a somewhat similar xcvr functionally that has direct digital conversion at its core, without requiring computer control.

73,
Barry N1EU

[Non-text portions of this message have been removed]

9283. Re: [orion565] Anyone going to ditch their Orion for a Kenwood TS-990?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-21 14:52:56 UTC
From: Jerry Rogers
Topic: 9278 Message: 9283

Not this boy! The 990 has a lot of bells-&-whistles, but SO-SO busy. I listen with my ears, and not my eyes. To me it would be fun to spin the dial for a short time, but after a while that multi-multi knob radio would turn me off. My Orion II, and the Eagle do not wear me out, or turn me off.

Jerry, ki4ps

Orion II, and Eagle.

On Mar 21, 2013, at 10:03 AM, Barry N1EU <barry.n1eu@...> wrote:

> On Thu, Mar 21, 2013 at 12:53 PM, <wolfmanjack@...> wrote:
>
> > **
> >
> > HRO Discount Price: $7,999.95
> >
> >
> I think Kenwood took the hybrid analog/digital hf xcvr about as far as it
> will go with the TS-990S. I wonder when someone will produce a somewhat
> similar xcvr functionally that has direct digital conversion at its core,
> without requiring computer control.
>
> 73,
> Barry N1EU
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

9284. Re: [orion565] Anyone going to ditch their Orion for a Kenwood TS-990?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-22 01:54:36 UTC
From: Tony Sokol
Topic: 9278 Message: 9284

One thing did occur to me. I really like the idea of the built-in tuning scope for RTTY and other digital modes. The "retro" tuning dial on the screen kind of gives of the feeling of being attached to the VFO. (Kind'a like having a car that lets you "feel the road"). Also having a line or two of digital mode text printing out on the screen is pretty nice. It occurred to me that the Orion II has plenty of room inside for additional PC boards if needed and a lot could probably accomplished with software. Not all on the screen at the same time but different screens for different modes. Certain additions could be offered as options to keep the current price point but still allow for expansion. Rather than do the Ford vs Chevy thing, take the good ideas and expand on them.

Just my 2 cents worth.
Tony - W9JXN

Sent from my iPhone

On Mar 21, 2013, at 9:52 AM, Jerry Rogers <ki4ps@...> wrote:

> Not this boy! The 990 has a lot of bells-&-whistles, but SO-SO busy. I listen with my ears, and not my eyes. To me it would be fun to spin the dial for a short time, but after a while that multi-multi knob radio would turn me off. My Orion II, and the Eagle do not wear me out, or turn me off.
>
> Jerry, ki4ps
>
> Orion II, and Eagle.
>
>
> On Mar 21, 2013, at 10:03 AM, Barry N1EU <barry.n1eu@...> wrote:
>
>> On Thu, Mar 21, 2013 at 12:53 PM, <wolfmanjack@...> wrote:
>>
>>> **
>>>
>>> HRO Discount Price: $7,999.95
>> I think Kenwood took the hybrid analog/digital hf xcvr about as far as it
>> will go with the TS-990S. I wonder when someone will produce a somewhat
>> similar xcvr functionally that has direct digital conversion at its core,
>> without requiring computer control.
>>
>> 73,
>> Barry N1EU
>>
>> [Non-text portions of this message have been removed]
>
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>

> [Non-text portions of this message have been removed]
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>
> Yahoo! Groups Links
>
>
>

9286. Orion II screen color poll.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-22 14:05:47 UTC
From: Frankie
Topic: 9286 Message: 9286

It looks like 87% of the respondents show they prefer screen color 3 or 4.

I started the poll to show TenTec which colors were most liked. If any changes are made and/or future products are planned, I hope they keep this info in mind and give us more choices similar to these two color themes.

I suppose it is time to close the poll, however I don't see how to close it. Perhaps a moderator can close it for me in a few days?

Thanks,
Frankie
K4TEN

9287. Re: Master Reset

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-22 15:16:38 UTC
From: Pierre Rothenburger, F3WT
Topic: 2569 Message: 9287

Bonjour George,

I just now saw your post.
As master reset is performed by pushing simultaneously MAIN/RX and ON buttons,
it could be that your button Main/Rx is physically ON (or is sw-scanned as being viewed as such) all the time.
You may want to check this button (by pressing it several times - once ON of course, even while reconfiguring which you have to now).
When the rig is on higher bands (say on 10M or so) and not well matched to my ant, with 100W- or even less- in other words when the chassis carries HF,
the less on many buttons start blinking like a Xmas- tree when keying(CW).
What might be more however is that one has to hit often several times a button several times before being "read" by the system. Annoying during contests. Perhaps for one reason or another
your button ' RX/Main' is read "on" continuously.
But this might bear no relation to your problem other than those buttons seem to be both un-sensitive when pressed, or very sensitive by their LEDs.
I just wonder whether some well ECM measures involving capacitors decoupling put across this lines might help.
73
Pierre,
F3WT

9288. RE: anyone going to ditch their TenTec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-26 22:39:24 UTC
From: n9aop2000
Topic: 9288 Message: 9288

The K-Wood is almost $4000 more than the O2. Does it play $4000 better?
If I was going to ditch the Orion 2 it would be for a Rhode&Schwartz.
Art

9289. Re: anyone going to ditch their TenTec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-27 09:27:05 UTC
From: k4pjo
Topic: 9288 Message: 9289

--- In orion565@yahoogroups.com, "n9aop2000" <avidmar@...> wrote:
>
> The K-Wood is almost $4000 more than the O2. Does it play $4000 better?
> If I was going to ditch the Orion 2 it would be for a Rhode&Schwartz.
> Art
>

Nope , i'm keeping my ORION 11 for the foreseeable future. Mike

9290. Re: [orion565] Re: anyone going to ditch their TenTec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-27 12:16:08 UTC
From: Peter Rogers
Topic: 9288 Message: 9290

Sorry to say that I am going to keep my Orion II as well, I'll also keep my TS-870. Peter.

****
Peter Rogers ve3etr ve3zzv
Irritating Practically Everyone since 1944
****

From: k4pjo <yakbow@...>
To: orion565@yahoogroups.com
Sent: Wednesday, March 27, 2013 5:27:05 AM
Subject: [orion565] Re: anyone going to ditch their TenTec

--- In mailto:orion565%40yahoogroups.com, "n9aop2000" <avidmar@...> wrote:
>
> The K-Wood is almost $4000 more than the O2. Does it play $4000 better?
> If I was going to ditch the Orion 2 it would be for a Rhode&Schwartz.
> Art
>

Nope , i'm keeping my ORION 11 for the foreseeable future. Mike

[Non-text portions of this message have been removed]

9291. Re: Anyone going to ditch their Orion for a Kenwood TS-990?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-27 14:34:35 UTC
From: k1fpv
Topic: 9278 Message: 9291

For the difference in $$$ I'd have to spend for a TS-990s, the added features wouldn't be worth the money. I'll keep my Orion II...Thank You!

Bill/K1FPV

--- In orion565@yahoogroups.com, "k7fd" <wolfmanjack@...> wrote:
>
> Been on youtube looking and listening to several videos of the new Kenwood TS-990. It certainly looks like an electronic marvel but I can't determine if the receive audio is that harsh and metallic sounding or whether I'm losing something in the translation along the way. The DSP NR definitely adds discoloration, like they all seem to do. All in all, I don't see any reason to abandon my Orion II...
>
> 73 John K7FD
>

9292. Re: [orion565] Re: anyone going to ditch their TenTec

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-27 19:15:38 UTC
From: Larry Menzel
Topic: 9288 Message: 9292

No. Make that hell no! A fool and his money are soon parted.
On Mar 27, 2013 7:16 AM, "Peter Rogers" <petlin74@...> wrote:

> **
>
>
> Sorry to say that I am going to keep my Orion II as well, I'll also keep
> my TS-870. Peter.
>
> **
> Peter Rogers ve3etr ve3zzv
> Irritating Practically Everyone since 1944
> **
>
> _____
> From: k4pjo <yakbow@...>
> To: orion565@yahoogroups.com
> Sent: Wednesday, March 27, 2013 5:27:05 AM
> Subject: [orion565] Re: anyone going to ditch their TenTec
>
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>
> --- In mailto:orion565%40yahoogroups.com, "n9aop2000" <avidmar@...> wrote:
> >
> > The K-Wood is almost $4000 more than the O2. Does it play $4000 better?
> > If I was going to ditch the Orion 2 it would be for a Rhode&Schwartz.
> > Art
> >
>
> Nope , i'm keeping my ORION 11 for the foreseeable future. Mike
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

9293. Re: Anyone going to ditch their Orion for a Kenwood TS-990?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-29 08:11:13 UTC
From: Mark
Topic: 9278 Message: 9293

Make that a NO.

Enjoying my ORION since 2004, still going strong.
Abandoned all other tried YeaComWood in my shack and traded it for a used ORION II last summer.
These two are here to stay.

In case anyone needs a serious panadapter/waterfall adaption to their shack, look at the Perseus. There is no contest to that one. Superb specs make it a spectrum analyser. Great for MW and SW listening as well.

73 Mark, PA5MW

OH ..wait.. I recently added a TT speaker. Happy with that too.

--- In orion565@yahoogroups.com, "k7fd" <wolfmanjack@...> wrote:
>
> Been on youtube looking and listening to several videos of the new Kenwood TS-990. It certainly looks like an electronic marvel but I can't determine if the receive audio is that harsh and metallic sounding or whether I'm losing something in the translation along the way. The DSP NR definitely adds discoloration, like they all seem to do. All in all, I don't see any reason to abandon my Orion II...
>
> 73 John K7FD
>

9294. Orion ll Serial numbers

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-29 21:25:53 UTC
From: nmbsun1
Topic: 9294 Message: 9294

I am seriously thinking of buying an orion 2 and if I find a good clean one I might even buy a used one. My question to the group is can someone tell me how to tell when the radio was made by the serial numbers? I found on a google search that the last number is the year. Is that correct?

Thanks and 73, Sonny....AB4VV

9295. Re: [orion565] Orion II Serial numbers

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-29 21:31:32 UTC
From: catfishtwo@...
Topic: 9294 Message: 9295

call ten tec

In a message dated 3/29/2013 2:25:55 P.M. Pacific Daylight Time,
nmbsun1@... writes:

I am seriously thinking of buying an orion 2 and if I find a good clean
one I might even buy a used one. My question to the group is can someone tell
me how to tell when the radio was made by the serial numbers? I found on a
google search that the last number is the year. Is that correct?

Thanks and 73, Sonny....AB4VV

Yahoo! Groups Links

[Non-text portions of this message have been removed]

9296. Re: [orion565] Orion II Serial numbers

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-29 22:04:52 UTC
From: Barry N1EU
Topic: 9294 Message: 9296

On Fri, Mar 29, 2013 at 9:25 PM, nmbsun1 <nmbsun1@...> wrote:

> **
>
>
> I am seriously thinking of buying an orion 2 and if I find a good clean
> one I might even buy a used one. My question to the group is can someone
> tell me how to tell when the radio was made by the serial numbers? I found
> on a google search that the last number is the year. Is that correct?
>
>
Yes, production started in 2005 so theoretically you could see any digit
except 4 as the last number.

Barry N1EU

[Non-text portions of this message have been removed]

9297. Re: [orion565] Orion II Serial numbers

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-30 00:54:37 UTC
From: walter jenkins
Topic: 9294 Message: 9297

Sonny I guess you could ask Nashville bill he should know. 73 larry

--- On Fri, 3/29/13, nmbsun1 <nmbsun1@...> wrote:

From: nmbsun1 <nmbsun1@...>
Subject: [orion565] Orion ll Serial numbers
To: orion565@yahoogroups.com
Date: Friday, March 29, 2013, 9:25 PM

I am seriously thinking of buying an orion 2 and if I find a good clean one I might even buy a used one. My question to the group is can someone tell me how to tell when the radio was made by the serial numbers? I found on a google search that the last number is the year. Is that correct?

Thanks and 73, Sonny....AB4VV

[Non-text portions of this message have been removed]

9298. Re: [orion565] Orion II Serial numbers

Yahoo group: orion565 (2009 — 2013)
Date: 2013-03-30 11:21:46 UTC
From: Jerry Rogers
Topic: 9294 Message: 9298

Here is the site that will give you what your looking for.

http://www.tentecwiki.org/doku.php

Jerry, ki4ps

On Mar 29, 2013, at 6:04 PM, Barry N1EU <barry.n1eu@...> wrote:

> On Fri, Mar 29, 2013 at 9:25 PM, nmbsun1 <nmbsun1@...> wrote:
>
> > **
> >
> >
> > I am seriously thinking of buying an orion 2 and if I find a good clean
> > one I might even buy a used one. My question to the group is can someone
> > tell me how to tell when the radio was made by the serial numbers? I found
> > on a google search that the last number is the year. Is that correct?
> >
> >
> Yes, production started in 2005 so theoretically you could see any digit
> except 4 as the last number.
>
> Barry N1EU
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

9299. Orion 565 spontaneously rebooting

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-03 12:29:12 UTC
From: objectiveuser
Topic: 9299 Message: 9299

The subject line says it all.
During the WPX contest this past weekend, one of my Orions spontaneously rebooted on two occasions without me touching anything. There did not appear to be any power glitch, as everything else in the
shack didn't even flicker. Each Orion has a dedicated TenTec
switching power supply. I had replaced the internal battery
a couple of years ago.

Any thoughts?

Terry N4TZ

9300. Re: [orion565] Orion 565 spontaneously rebooting

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-03 13:08:43 UTC
From: Barry N1EU
Topic: 9299 Message: 9300

My guess is that it's the battery again. Seems too soon for it to fail,
but you never know.

Barry N1EU

On Wed, Apr 3, 2013 at 12:29 PM, objectiveuser <objectiveuser@...>wrote:

> **
>
>
> The subject line says it all.
> During the WPX contest this past weekend, one of my Orions spontaneously
> rebooted on two occasions without me touching anything. There did not
> appear to be any power glitch, as everything else in the
> shack didn't even flicker. Each Orion has a dedicated TenTec
> switching power supply. I had replaced the internal battery
> a couple of years ago.
>
> Any thoughts?
>
> Terry N4TZ
>
>
>

[Non-text portions of this message have been removed]

9301. Re: [orion565] Orion 565 spontaneously rebooting

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-03 14:45:42 UTC
From: K9UW
Topic: 9299 Message: 9301

Terry, this is probably a long shot, but you might want to check the integrity of the power plug on the back of the Orion. They have been known to get loose over time, especially if there is any strain on the plug. Make sure that the connector's pins have a firm contact.

73, de Mike, K9UW
Amherst, WI

On Apr 3, 2013, at 7:29 AM, "objectiveuser" <objectiveuser@...> wrote:

> The subject line says it all.
> During the WPX contest this past weekend, one of my Orions spontaneously rebooted on two occasions without me touching anything. There did not appear to be any power glitch, as everything else in the
> shack didn't even flicker. Each Orion has a dedicated TenTec
> switching power supply. I had replaced the internal battery
> a couple of years ago.
>
> Any thoughts?
>
> Terry N4TZ
>
>

[Non-text portions of this message have been removed]

9302. 565AT for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-03 22:13:24 UTC
From: wa2isc
Topic: 9302 Message: 9302

Orion 565AT. Comes with internal auto-tuner, all optional roofing filters (1.8 Khz, 500Hz, and 250 Hz), 310 cooling fan, 701 hand mic, manual, and power cord. Also have 302R remote encoder, 963 power supply, 706 Desk mic and matching 307B speaker.

565AT Orion $1900.00
302 Remote encoder $100.00
963 Power supply $125.00
706 Desk Mic $90.00
Speaker $75.00

Package price is $2100.00. I will only sell accessories after radio sells. I prefer local pick up, but will ship at buyers expense. I will deliver within 100 miles of Syracuse, NY. Buyer to split gas.

Radio was at TenTec last year for alignment, V 2 display mod, and new memory battery. All is in excellent condition, with factory boxes. Currently running V 3.025 firmware.

Selling because I no longer contest, and this is too much radio for the casual QSOing that is my part of the hobby today.

9303. 565AT for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-03 22:14:16 UTC
From: wa2isc
Topic: 9302 Message: 9303

Orion 565AT. Comes with internal auto-tuner, all optional roofing filters (1.8 Khz, 500Hz, and 250 Hz), 310 cooling fan, 701 hand mic, manual, and power cord. Also have 302R remote encoder, 963 power supply, 706 Desk mic and matching 307B speaker.

565AT Orion $1900.00
302 Remote encoder $100.00
963 Power supply $125.00
706 Desk Mic $90.00
Speaker $75.00

Package price is $2100.00. I will only sell accessories after radio sells. I prefer local pick up, but will ship at buyers expense. I will deliver within 100 miles of Syracuse, NY. Buyer to split gas.

Radio was at TenTec last year for alignment, V 2 display mod, and new memory battery. All is in excellent condition, with factory boxes. Currently running V 3.025 firmware.

Selling because I no longer contest, and this is too much radio for the casual QSOing that is my part of the hobby today.

9304. Re: [orion565] Orion 565 spontaneously rebooting

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-03 22:30:49 UTC
From: Sam W Jacobs CET
Topic: 9299 Message: 9304

test

73 !

Sam
K3SAM

From: Barry N1EU <barry.n1eu@...>
To: Orion565 <orion565@yahoogroups.com>
Sent: Wednesday, April 3, 2013 6:08 AM
Subject: Re: [orion565] Orion 565 spontaneously rebooting

My guess is that it's the battery again. Seems too soon for it to fail,
but you never know.

Barry N1EU

On Wed, Apr 3, 2013 at 12:29 PM, objectiveuser <objectiveuser@...>wrote:

> **
>
>
> The subject line says it all.
> During the WPX contest this past weekend, one of my Orions spontaneously
> rebooted on two occasions without me touching anything. There did not
> appear to be any power glitch, as everything else in the
> shack didn't even flicker. Each Orion has a dedicated TenTec
> switching power supply. I had replaced the internal battery
> a couple of years ago.
>
> Any thoughts?
>
> Terry N4TZ
>
>
>

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[Non-text portions of this message have been removed]

9305. Re: [orion565] Orion 565 spontaneously rebooting

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-03 22:33:05 UTC
From: Sam W Jacobs CET
Topic: 9299 Message: 9305

Terry,

The A-9 Power Distribution Board is bad... classic symptom. You will need to replace either the board, or if you can do basic soldering and have a Radio Shack close by (I know, RS doesn't have the best caps in the world but it will get you back up and running) then you need to replace the 470 uF caps (3 of them). They are rated at 35 volts but if you can find 50 volt caps, all the better. I think they are C6, C7 and C9, the taller of the 9 Caps on that board.

I think you will find that your problem goes away.

This has nothing to do with the battery and I've had several A9 boards go bad on my 566 and I keep a spare A9 board on hand at all times. If you open the bottom cover the A9 board is right there lookin' at cha.

73 !

Sam
K3SAM

From: Barry N1EU <barry.n1eu@...>
To: Orion565 <orion565@yahoogroups.com>
Sent: Wednesday, April 3, 2013 9:08 AM
Subject: Re: [orion565] Orion 565 spontaneously rebooting

My guess is that it's the battery again. Seems too soon for it to fail,
but you never know.

Barry N1EU

On Wed, Apr 3, 2013 at 12:29 PM, objectiveuser <objectiveuser@...>wrote:

> **
>
>
> The subject line says it all.
> During the WPX contest this past weekend, one of my Orions spontaneously
> rebooted on two occasions without me touching anything. There did not
> appear to be any power glitch, as everything else in the
> shack didn't even flicker. Each Orion has a dedicated TenTec
> switching power supply. I had replaced the internal battery
> a couple of years ago.
>
> Any thoughts?
>
> Terry N4TZ

>
>
>

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[Non-text portions of this message have been removed]

9306. test

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-03 22:45:38 UTC
From: Sam W Jacobs CET
Topic: 9299 Message: 9306

disregard... testing

73 !

Sam
K3SAM

From: Sam W Jacobs CET <Sam@...>
To: "orion565@...m" <orion565@yahoogroups.com>
Sent: Wednesday, April 3, 2013 6:33 PM
Subject: Re: [orion565] Orion 565 spontaneously rebooting

Terry,

The A-9 Power Distribution Board is bad... classic symptom. You will need to replace either the board, or if you can do basic soldering and have a Radio Shack close by (I know, RS doesn't have the best caps in the world but it will get you back up and running) then you need to replace the 470 uF caps (3 of them). They are rated at 35 volts but if you can find 50 volt caps, all the better. I think they are C6, C7 and C9, the taller of the 9 Caps on that board.

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This has nothing to do with the battery and I've had several A9 boards go bad on my 566 and I keep a spare A9 board on hand at all times. If you open the bottom cover the A9 board is right there lookin' at cha.

73 !

Sam
K3SAM

From: Barry N1EU <barry.n1eu@...>
To: Orion565 <orion565@yahoogroups.com>
Sent: Wednesday, April 3, 2013 9:08 AM
Subject: Re: [orion565] Orion 565 spontaneously rebooting

My guess is that it's the battery again. Seems too soon for it to fail,
but you never know.

Barry N1EU

On Wed, Apr 3, 2013 at 12:29 PM, objectiveuser <objectiveuser@...>wrote:

> **
>

>
> The subject line says it all.
> During the WPX contest this past weekend, one of my Orions spontaneously
> rebooted on two occasions without me touching anything. There did not
> appear to be any power glitch, as everything else in the
> shack didn't even flicker. Each Orion has a dedicated TenTec
> switching power supply. I had replaced the internal battery
> a couple of years ago.
>
> Any thoughts?
>
> Terry N4TZ
>
>
>

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9307. RE: [orion565] Orion 565 spontaneously rebooting

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-03 22:56:07 UTC
From: George
Topic: 9299 Message: 9307

OK it’s just sitting on the floor.

George W2YJ

Sent from my Windows 8 Desktop

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Sam W Jacobs
CET
Sent: Wednesday, April 03, 2013 6:33 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion 565 spontaneously rebooting

Terry,

The A-9 Power Distribution Board is bad... classic symptom. You will need to replace either the board, or if you can do basic soldering and have a Radio Shack close by (I know, RS doesn't have the best caps in the world but it will get you back up and running) then you need to replace the 470 uF caps (3 of them). They are rated at 35 volts but if you can find 50 volt caps, all the better. I think they are C6, C7 and C9, the taller of the 9 Caps on that board.

I think you will find that your problem goes away.

This has nothing to do with the battery and I've had several A9 boards go bad on my 566 and I keep a spare A9 board on hand at all times. If you open the bottom cover the A9 board is right there lookin' at cha.

73 !

Sam
K3SAM

_____
From: Barry N1EU <barry.n1eu@... <mailto:barry.n1eu%40gmail.com> >
To: Orion565 <orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> >
Sent: Wednesday, April 3, 2013 9:08 AM
Subject: Re: [orion565] Orion 565 spontaneously rebooting

My guess is that it's the battery again. Seems too soon for it to fail,
but you never know.

Barry N1EU

On Wed, Apr 3, 2013 at 12:29 PM, objectiveuser <objectiveuser@...
<mailto:objectiveuser%40yahoo.com> >wrote:

> **
>

>
> The subject line says it all.
> During the WPX contest this past weekend, one of my Orions spontaneously
> rebooted on two occasions without me touching anything. There did not
> appear to be any power glitch, as everything else in the
> shack didn't even flicker. Each Orion has a dedicated TenTec
> switching power supply. I had replaced the internal battery
> a couple of years ago.
>
> Any thoughts?
>
> Terry N4TZ
>
>
>

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9308. Re: [orion565] Orion 565 spontaneously rebooting

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-04 01:53:04 UTC
From: Wayne Staples
Topic: 9299 Message: 9308

On 04/04/13 00:45, K9UW wrote:
> Terry, this is probably a long shot, but you might want to check the integrity of the power plug on the back of the Orion. They have been known to get loose over time, especially if there is any strain on the plug. Make sure that the connector's pins have a firm contact.
>
> 73, de Mike, K9UW
> Amherst, WI
>
> On Apr 3, 2013, at 7:29 AM, "objectiveuser" <objectiveuser@...> wrote:
>
>> The subject line says it all.
>> During the WPX contest this past weekend, one of my Orions spontaneously rebooted on two occasions without me touching anything. There did not appear to be any power glitch, as everything else in the
>> shack didn't even flicker. Each Orion has a dedicated TenTec
>> switching power supply. I had replaced the internal battery
>> a couple of years ago.
>>
>> Any thoughts?
>>
>> Terry N4TZ
>>
>>
>
> [Non-text portions of this message have been removed]
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> ------------------------------------
>
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> Yahoo! Groups Links
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Hi Terry
Mikes long shot of checking the power connector is a very good place to to start also check the fuse and fuse holder. The fuse contact surfaces can develop a scale on them and become resistive and on voice peaks start drawing to much current. I have had this happen to my 565 and have changed the type of fuse holder.

Regards Wayne VK4EU

9309. Filter Center Freq. Adjustment question.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-04 02:25:23 UTC
From: vinster1k
Topic: 9309 Message: 9309

Hello all. I acquired an Orion 565 yesterday and am in the process of setting up and learning this rig. I know there is quite a curve and so have been searching for all the info I can find about the radio.

I did a master reset of the radio wanting to start from scratch. It has the latest firmware installed already and all seems to be working just fine. I did read however that you need to set the center frequency on the 500 and 250 filters after a reset.

I found and read the procedure for doing this and it sounds pretty easy, however the problem I'm having is that I can't find the "steady signal" that they tell say you need in order to accomplish this. I thought that I could use WWV but even that fades in and out so much I can't rely on it to complete the process.

Anyone have a better way or any ideas? Thanks.

73, Vince

9310. Re: [orion565] Filter Center Freq. Adjustment question.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-04 09:40:55 UTC
From: Barry N1EU
Topic: 9309 Message: 9310

Vince, congrats on the new radio! What you should really do is pull the 500 and 250hz filters and sell them. Buy an Inrad #762 600hz filter and install in the 1KHz slot. This is what all the savvy Orion 565 owners have been doing since 2004. See http://users.vnet.net/btippett/inrad_.htm for a full discussion on why.

73, Barry N1EU

On Thu, Apr 4, 2013 at 2:25 AM, vinster1k <vinster100@...> wrote:

> **
>
>
> Hello all. I acquired an Orion 565 yesterday and am in the process of
> setting up and learning this rig. I know there is quite a curve and so have
> been searching for all the info I can find about the radio.
>
> I did a master reset of the radio wanting to start from scratch. It has
> the latest firmware installed already and all seems to be working just
> fine. I did read however that you need to set the center frequency on the
> 500 and 250 filters after a reset.
>
> I found and read the procedure for doing this and it sounds pretty easy,
> however the problem I'm having is that I can't find the "steady signal"
> that they tell say you need in order to accomplish this. I thought that I
> could use WWV but even that fades in and out so much I can't rely on it to
> complete the process.
>
> Anyone have a better way or any ideas? Thanks.
>
> 73, Vince
>
>
>

[Non-text portions of this message have been removed]

9311. 565 Question

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-04 14:57:15 UTC
From: John M
Topic: 9311 Message: 9311

I'm thinking of buying a used 565. I'm a little concerned about availability of parts particularly the LCD screen. Any thoughts about that?

73, John N1JM

9312. 565 Receive distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-04 15:13:48 UTC
From: CHRIS
Topic: 9312 Message: 9312

I am experiencing receive audio distortion on both ssb and cw signals. It occurs on both headphones and speaker. I have tried it with filters in or out, auto or selected. I feel like I have been through the menu with a fine tooth comb and cannot find where a setting has changed.
It seems like the 565 has been increasingly flaky, maybe I need a new internal battery as I have seen mentioned many times. For example the b&w screen starts with very little contrast but after a while seems fine.
Any thoughts or suggestions would be appreciated.

Chris K4WIN

9313. Re: 565 Receive distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-04 17:37:56 UTC
From: pa1ap
Topic: 9312 Message: 9313

Hi,

Regarding the startup contrast challenge I would recommend to investigate (measure) the dc-dc capacitors. In most cases replacing them would solve that particular issue.

On audio distortion there could be several challenges. One is that AGC which has been set to "off" or perhaps with very high decay values. A factory reset would fix that for you as well activate the AGC slow setting. Check if that solves the audio challenge.

If both speaker and headphone confirm the distortion its unlikely the audio finals. Hence it indicates something in firmware. Do you know which firmware is running on the 565? Press and hold menu button to check. Perhaps you have one of those 2.068 versions which is just bad audio quality.

Let us know how it is going and I hope we can find a solution for the challenges as found.

regards, Onno

--- In orion565@yahoogroups.com, "CHRIS" <k4win@...> wrote:
>
> I am experiencing receive audio distortion on both ssb and cw signals. It occurs on both headphones and speaker. I have tried it with filters in or out, auto or selected. I feel like I have been through the menu with a fine tooth comb and cannot find where a setting has changed.
> It seems like the 565 has been increasingly flaky, maybe I need a new internal battery as I have seen mentioned many times. For example the b&w screen starts with very little contrast but after a while seems fine.
> Any thoughts or suggestions would be appreciated.
>
> Chris K4WIN
>

9314. Re: 565 Question

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-04 17:43:57 UTC
From: pa1ap
Topic: 9311 Message: 9314

Ten-tec offers a replacement screen in case the original fails. If you want color screen the 566 would be a better choice. And if you care less about looks and just care about performance the 565 will do great. I think it has the best price / performance ratio in the market.

Hope this helps and best regards, Onno

--- In orion565@yahoogroups.com, "John M" <johnn1jm@...> wrote:
>
> I'm thinking of buying a used 565. I'm a little concerned about availability of parts particularly the LCD screen. Any thoughts about that?
>
> 73, John N1JM
>

9315. RE: [orion565] 565 Receive distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-04 18:43:23 UTC
From: Bill Sepulveda
Topic: 9312 Message: 9315

Hi Christ,

Do you have either software or hardware Noise Blanker on?

Tnx,

Bill, K5LN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of CHRIS
Sent: Thursday, April 04, 2013 10:14 AM
To: orion565@yahoogroups.com
Subject: [orion565] 565 Receive distortion

I am experiencing receive audio distortion on both ssb and cw signals. It occurs on both headphones and speaker. I have tried it with filters in or out, auto or selected. I feel like I have been through the menu with a fine tooth comb and cannot find where a setting has changed.
It seems like the 565 has been increasingly flaky, maybe I need a new internal battery as I have seen mentioned many times. For example the b&w screen starts with very little contrast but after a while seems fine.
Any thoughts or suggestions would be appreciated.

Chris K4WIN

[Non-text portions of this message have been removed]

9316. Re: 565 Receive distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-04 18:53:39 UTC
From: CHRIS
Topic: 9312 Message: 9316

Thanks for the suggestions.

I am using firmware 3.032

I have checked and rechecked the AGC settings and parameters. Are there new settings for this firmware? Should I do a master reset or is there an AGC reseT?

I have the Hardware noise reduction on, set at 1. I have always used the hardware NR for the bad power line noise I have at this location when the wind blows or rains. It has never had a negative effect before.

Both speaker and headphone exhibit the distortion. And the worst is it is intermittent.
I HATE TO SEND SOMETHING TO BE REPAIRED THAT IS INTERMITTENT!

I will continue to try and track this down until I can recreate it multiple times. Then if it needs a repair that I cannot perform, I'll send it to Ten-Tec.

Until I can I will look for people that have had this problem, and solved it.
Thanks again for any ideas the group might have.

Chris k4win

--- In orion565@yahoogroups.com, "Bill Sepulveda" <k5ln@...> wrote:
>
> Hi Christ,
>
>
>
> Do you have either software or hardware Noise Blanker on?
>
>
>
> Tnx,
>
> Bill, K5LN
>
>
>
>
>
>
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of CHRIS
> Sent: Thursday, April 04, 2013 10:14 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] 565 Receive distortion

>
>
>
>
>
> I am experiencing receive audio distortion on both ssb and cw signals. It
> occurs on both headphones and speaker. I have tried it with filters in or
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> tooth comb and cannot find where a setting has changed.
> It seems like the 565 has been increasingly flaky, maybe I need a new
> internal battery as I have seen mentioned many times. For example the b&w
> screen starts with very little contrast but after a while seems fine.
> Any thoughts or suggestions would be appreciated.
>
> Chris K4WIN
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

9317. Re: Orion 565 spontaneously rebooting

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-04 19:22:10 UTC
From: John
Topic: 9299 Message: 9317

I believe Mike is on to something, when he suggested you check the power plug on the back of the Orion. In addition, I suggest that you also check the mating connector on the Orion end of your power cord. My Orion 565 is about 8 years old, and when my 565 was at the factory for another problem, I had the factory replace the fixed connector. However, I continued to use the old connector on the end of the power cable.

About two or three weeks ago, my 565 would, or random occasions, reboot while I was transmitting while using SSB. I also noticed that during tune-up the display screen would dim. I could not remember if this dimming had always occurred, or if it had appeared at the same time I started having reboot problems.

After replacing the power cord, connector, and the external power supply, the screen lighting is rock-steady, but I will have to wait for a few weeks to determine with certitude that I have fixed the reboot problem.

John, N9JG

--- In orion565@yahoogroups.com, K9UW <k9uw@...> wrote:
>
> Terry, this is probably a long shot, but you might want to check the integrity of the power plug on the back of the Orion. They have been known to get loose over time, especially if there is any strain on the plug. Make sure that the connector's pins have a firm contact.
>
> 73, de Mike, K9UW
> Amherst, WI
>
> On Apr 3, 2013, at 7:29 AM, "objectiveuser" objectiveuser@... wrote:
>
> > The subject line says it all.
> > During the WPX contest this past weekend, one of my Orions spontaneously rebooted on two occasions without me touching anything. There did not appear to be any power glitch, as everything else in the
> > shack didn't even flicker. Each Orion has a dedicated TenTec
> > switching power supply. I had replaced the internal battery
> > a couple of years ago.
> >
> > Any thoughts?
> >
> > Terry N4TZ
> >
> >
>

>
> [Non-text portions of this message have been removed]
>

9318. Re: [orion565] Re: 565 Receive distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-04 21:40:38 UTC
From: Barry N1EU
Topic: 9312 Message: 9318

Does the distortion go away when you turn off all NR and NB?

Barry N1EU

On Thu, Apr 4, 2013 at 6:53 PM, CHRIS <k4win@...> wrote:

> **
>
>
> Thanks for the suggestions.
>
> I am using firmware 3.032
>
> I have checked and rechecked the AGC settings and parameters. Are there
> new settings for this firmware? Should I do a master reset or is there an
> AGC reseT?
>
> I have the Hardware noise reduction on, set at 1. I have always used the
> hardware NR for the bad power line noise I have at this location when the
> wind blows or rains. It has never had a negative effect before.
>
> Both speaker and headphone exhibit the distortion. And the worst is it is
> intermittent.
> I HATE TO SEND SOMETHING TO BE REPAIRED THAT IS INTERMITTENT!
>
> I will continue to try and track this down until I can recreate it
> multiple times. Then if it needs a repair that I cannot perform, I'll send
> it to Ten-Tec.
>
> Until I can I will look for people that have had this problem, and solved
> it.
> Thanks again for any ideas the group might have.
>
> Chris k4win
>
> --- In orion565@yahoogroups.com, "Bill Sepulveda" <k5ln@...> wrote:
> >
> > Hi Christ,
> >
> >
> >
> > Do you have either software or hardware Noise Blanker on?
> >
> >
> >
> > Tnx,

> >
> > Bill, K5LN
> >
> >
> >
> >
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> >
> >
> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf
> > Of CHRIS
> > Sent: Thursday, April 04, 2013 10:14 AM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] 565 Receive distortion
>
> >
> >
> >
> >
> >
> > I am experiencing receive audio distortion on both ssb and cw signals. It
> > occurs on both headphones and speaker. I have tried it with filters in or
> > out, auto or selected. I feel like I have been through the menu with a
> fine
> > tooth comb and cannot find where a setting has changed.
> > It seems like the 565 has been increasingly flaky, maybe I need a new
> > internal battery as I have seen mentioned many times. For example the b&w
> > screen starts with very little contrast but after a while seems fine.
> > Any thoughts or suggestions would be appreciated.
> >
> > Chris K4WIN
> >
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> > [Non-text portions of this message have been removed]
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>

[Non-text portions of this message have been removed]

9319. Re: [orion565] Re: 565 Receive distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-04 22:17:51 UTC
From: Chris Pinholster
Topic: 9312 Message: 9319

I mentioned intermittent. I have powered it up and now there is no distortion present. Hardware NR on. DSP NR not on. I'll wait until it reappears and look at the NR settings. Thanks, Chris k4win

Sent from my iPad

On Apr 4, 2013, at 5:40 PM, Barry N1EU <barry.n1eu@...> wrote:

> Does the distortion go away when you turn off all NR and NB?
>
> Barry N1EU
>
> On Thu, Apr 4, 2013 at 6:53 PM, CHRIS <k4win@...> wrote:
>
> > **
> >
> >
> > Thanks for the suggestions.
> >
> > I am using firmware 3.032
> >
> > I have checked and rechecked the AGC settings and parameters. Are there
> > new settings for this firmware? Should I do a master reset or is there an
> > AGC reseT?
> >
> > I have the Hardware noise reduction on, set at 1. I have always used the
> > hardware NR for the bad power line noise I have at this location when the
> > wind blows or rains. It has never had a negative effect before.
> >
> > Both speaker and headphone exhibit the distortion. And the worst is it is
> > intermittent.
> > I HATE TO SEND SOMETHING TO BE REPAIRED THAT IS INTERMITTENT!
> >
> > I will continue to try and track this down until I can recreate it
> > multiple times. Then if it needs a repair that I cannot perform, I'll send
> > it to Ten-Tec.
> >
> > Until I can I will look for people that have had this problem, and solved
> > it.
> > Thanks again for any ideas the group might have.
> >
> > Chris k4win
> >
> > --- In orion565@yahoogroups.com, "Bill Sepulveda" <k5ln@...> wrote:
> > >
> > > Hi Christ,

> > >
> > >
> > >
> > > Do you have either software or hardware Noise Blanker on?
> > >
> > >
> > >
> > > Tnx,
> > >
> > > Bill, K5LN
> > >
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> > >
> > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> > Behalf
> > > Of CHRIS
> > > Sent: Thursday, April 04, 2013 10:14 AM
> > > To: orion565@yahoogroups.com
> > > Subject: [orion565] 565 Receive distortion
> >
> > >
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> > >
> > > I am experiencing receive audio distortion on both ssb and cw signals. It
> > > occurs on both headphones and speaker. I have tried it with filters in or
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> > fine
> > > tooth comb and cannot find where a setting has changed.
> > > It seems like the 565 has been increasingly flaky, maybe I need a new
> > > internal battery as I have seen mentioned many times. For example the b&w
> > > screen starts with very little contrast but after a while seems fine.
> > > Any thoughts or suggestions would be appreciated.
> > >
> > > Chris K4WIN
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> > > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

9320. Re: Orion 565 spontaneously rebooting

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-04 23:40:12 UTC
From: nm7x
Topic: 9299 Message: 9320

Hi Terry,

I have also had this problem with my 565 since it was new in 2003. It does not happen very often, but when it does, it almost always occurs after changing modes or activating some feature (like NR) that hasn't been used in awhile. My power distribution board was replaced by Ten Tec, and this had no effect on the issue. Also, it seems most prone to behaving this way after a firmware update. I always run through the Ram Clear and Master resets a couple of times after a firmware change. The spontaneous reboots seem to occur a few times a week after that, then they slowly diminish to almost never, but still occasionally, if that makes any sense. Weird. I'd be interested to know if you figure it out, because I haven't been able to. I think that the power connector and power distribution ideas are good ones, but that is definitely not what's going on with mine. Good Luck.

73, Mike, NM7X

--- In orion565@yahoogroups.com, "objectiveuser" <objectiveuser@...> wrote:
>
> The subject line says it all.
> During the WPX contest this past weekend, one of my Orions spontaneously rebooted on two occasions without me touching anything. There did not appear to be any power glitch, as everything else in the
> shack didn't even flicker. Each Orion has a dedicated TenTec
> switching power supply. I had replaced the internal battery
> a couple of years ago.
>
> Any thoughts?
>
> Terry N4TZ
>

9321. Re: 565 Question

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-05 03:41:30 UTC
From: John M
Topic: 9311 Message: 9321

Thanks Onno. I don't care about the color screen. The performance of the two are practically the same and the 565 costs less. I'll probably do the mod to add an SDR-IQ for a panadapter.

John N1JM

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Ten-tec offers a replacement screen in case the original fails. If you want color screen the 566 would be a better choice. And if you care less about looks and just care about performance the 565 will do great. I think it has the best price / performance ratio in the market.
>
> Hope this helps and best regards, Onno
>
> --- In orion565@yahoogroups.com, "John M" <johnn1jm@> wrote:
> >
> > I'm thinking of buying a used 565. I'm a little concerned about availability of parts particularly the LCD screen. Any thoughts about that?
> >
> > 73, John N1JM
> >
>

9322. Re: [orion565] Re: 565 Receive distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-05 08:24:57 UTC
From: Barry N1EU
Topic: 9312 Message: 9322

There's no such thing as hardware NR. NR is purely a dsp function. I assume you mean hardware NB. That could be causing your distortion - the amount of "distortion" would depend on how many strong signals are on the band.

Barry N1EU

On Thu, Apr 4, 2013 at 10:17 PM, Chris Pinholster <k4win@mac.com> wrote:

> **
>
>
> I mentioned intermittent. I have powered it up and now there is no
> distortion present. Hardware NR on. DSP NR not on. I'll wait until it
> reappears and look at the NR settings.
> Thanks, Chris k4win
>
> Sent from my iPad
>
>
> On Apr 4, 2013, at 5:40 PM, Barry N1EU <barry.n1eu@...> wrote:
>
> > Does the distortion go away when you turn off all NR and NB?
> >
> > Barry N1EU
> >
> > On Thu, Apr 4, 2013 at 6:53 PM, CHRIS <k4win@...> wrote:
> >
> > > **
>
> >
> > >
> > >
> > > Thanks for the suggestions.
> > >
> > > I am using firmware 3.032
> > >
> > > I have checked and rechecked the AGC settings and parameters. Are there
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> > > AGC reseT?
> > >
> > > I have the Hardware noise reduction on, set at 1. I have always used
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> > > wind blows or rains. It has never had a negative effect before.

> > >
> > > Both speaker and headphone exhibit the distortion. And the worst is it
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> > > intermittent.
> > > I HATE TO SEND SOMETHING TO BE REPAIRED THAT IS INTERMITTENT!
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> > > I will continue to try and track this down until I can recreate it
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> > > it to Ten-Tec.
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> > > Until I can I will look for people that have had this problem, and
> solved
> > > it.
> > > Thanks again for any ideas the group might have.
> > >
> > > Chris k4win
> > >
> > > --- In orion565@yahoogroups.com, "Bill Sepulveda" <k5ln@...> wrote:
> > > >
> > > > Hi Christ,
> > > >
> > > >
> > > >
> > > > Do you have either software or hardware Noise Blanker on?
> > > >
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> > > >
> > > > Tnx,
> > > >
> > > > Bill, K5LN
> > > >
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> > > >
> > > > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> > > Behalf
> > > > Of CHRIS
> > > > Sent: Thursday, April 04, 2013 10:14 AM
> > > > To: orion565@yahoogroups.com
> > > > Subject: [orion565] 565 Receive distortion
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> > > >

> > > > I am experiencing receive audio distortion on both ssb and cw
> signals. It
> > > > occurs on both headphones and speaker. I have tried it with filters
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> > > > out, auto or selected. I feel like I have been through the menu with
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> > > fine
> > > > tooth comb and cannot find where a setting has changed.
> > > > It seems like the 565 has been increasingly flaky, maybe I need a new
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> > > > screen starts with very little contrast but after a while seems fine.
> > > > Any thoughts or suggestions would be appreciated.
> > > >
> > > > Chris K4WIN
> > > >
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9323. orion 565 power summary

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-05 13:39:05 UTC
From: pa1ap
Topic: 9323 Message: 9323

As we are gaining field experience on the 565 it might be of use to document the known challengs which surface once in a while. let me start the list;

1- power connector and associated contact. Corrosion of contacts causes poor conduction and especially during high current demand the lcd display contrast changes. Solution: replace the power connector and cable often fixes the issue. The easy test is to reduce the voltage to 12.5 Volt and check if the orion display remains visible. With poor contact the display switches off.

2- lcd display contrast changes a lot when the unit heats up after cold start. Dc-dc power board capacitors need to be replaced. Especially the smaller capacitors need attention when cold to warm challenge occurs.

3- lcd display saturation when unit is running for hours in row. Visible at upper left and right corner and changing contrast does not really help anymore. Top is darker than bottom. Again dc-dc power board but now the now the big capacitors. Also worthwhile to reduce backlight current.

4- irregular power cycling sometimes it just works and sometimes it wont. Again dc-dc board but also check if the cpu battery age. Its seems to work for about 6 years after which weird problems start to kick in. I would suggest to replacd the cpu batter every 6..7 years.

To my knowledge those four capture the main area's and all are pretty easy to fix. Temperature changes will influence especially the first three. Improved cooling will address the sympthoms too but it might be worthwhile to address the root cause.

Hope this helps, regards, Onno

9324. Re: 565 Question

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-05 15:58:58 UTC
From: Rolf Krogstad
Topic: 9311 Message: 9324

John N1JM,
If you want to add a panadapter, I would highly recommend upgrading the 2nd receiver to the RX-366.
It is the same receiver as in the Jupiter and it has a 9MHz IF port. If you do order it make sure to request the jumper coax to go to from the 9MHz IF port on the RX-366 to the spare jack on the back of the Orion. They will through it in for free.
I call after installing the board and the mail it to me separately, free of charge.
Having the upgraded receiver has totally change how I use the rig. I love it!

Rolf NR0T

>Thu Apr 4, 2013 8:41 pm (PDT) . Posted by:"John M" johnn1jm<johnn1jm@...?subject=Re%3A%20565%20Question>
>Thanks Onno. I don't care about the color screen. The performance of the two are >practically the same and the 565 costs less. I'll probably do the mod to add an SDR-IQ >for a panadapter.

>John N1JM

>--- In orion565@yahoogroup**s.com <orion565%40yahoogroups.com>, "pa1ap" <pa1ap@..**.> wrote:
>
> Ten-tec offers a replacement screen in case the original fails. If you want color screen the 566 would be a better choice. And if you care less about looks and just care about performance the 565 will do great. I think it has the best price / performance ratio in the market.
>
> Hope this helps and best regards, Onno
>
> --- In orion565@yahoogroup**s.com <orion565%40yahoogroups.com>, "John M" <johnn1jm@**> wrote:
> >
> > I'm thinking of buying a used 565. I'm a little concerned about availability of parts particularly the LCD screen. Any thoughts about that?
> >
> > 73, John N1JM
> >
>

[Non-text portions of this message have been removed]

9325. Re: Orion 565 spontaneously rebooting

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-05 16:31:41 UTC
From: wa6iaf
Topic: 9299 Message: 9325

My 565 had this rebooting problem. It would immediately reboot when I'd send a dit or dah. Visual inspection of the 2 pins on end of power cord revealed they were oxidized. Also the white plastic of plug had turned a tannish brown on one side from heat. I ended up curing the little problem by soldering pigtail power leads directly to board and bringing cable end out, added a high current in line male socket. Clipped end off original power cord and adding mating female plug to it. Used some sort of military connector pair I had in junque box. No more reboot when sending CW.
73
Paul
WA6IAF

--- In orion565@yahoogroups.com, Wayne Staples <vk4eu@...> wrote:
>
> On 04/04/13 00:45, K9UW wrote:
> > Terry, this is probably a long shot, but you might want to check the integrity of the power plug on the back of the Orion. They have been known to get loose over time, especially if there is any strain on the plug. Make sure that the connector's pins have a firm contact.
> >
> > 73, de Mike, K9UW
> > Amherst, WI
> >
> > On Apr 3, 2013, at 7:29 AM, "objectiveuser" <objectiveuser@...> wrote:
> >
> >> The subject line says it all.
> >> During the WPX contest this past weekend, one of my Orions spontaneously rebooted on two occasions without me touching anything. There did not appear to be any power glitch, as everything else in the
> >> shack didn't even flicker. Each Orion has a dedicated TenTec
> >> switching power supply. I had replaced the internal battery
> >> a couple of years ago.
> >>
> >> Any thoughts?
> >>
> >> Terry N4TZ
> >>
> >>
> >
> > [Non-text portions of this message have been removed]
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> > Yahoo! Groups Links
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> >
> Hi Terry
> Mikes long shot of checking the power connector is a very good place to
> to start also check the fuse and fuse holder. The fuse contact surfaces
> can develop a scale on them and become resistive and on voice peaks
> start drawing to much current. I have had this happen to my 565 and have
> changed the type of fuse holder.
>
> Regards Wayne VK4EU
>

9326. Re: [orion565] Filter Center Freq. Adjustment question.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-05 18:22:17 UTC
From: Fernando
Topic: 9309 Message: 9326

Hello

I had similar problem hearing the difference and found a visual program called

Spectrogram (Window Program). The unregistered one will run for 10 minutes before stopping.

Plenty of time to adjust both CF of the filters.

I came across a pdf titled "Using Spectrogram To Measure Filter Response" by

John Grebenkemper, KI6WX that will help with the initial setting of the program.

That will take a minute or two.

By the way, on my 565 the best setting was a zero offset, go figure. hi..

Fernando N2FQ/6
n2fq@...

On Apr 3, 2013, at 7:25 PM, vinster1k <vinster100@...> wrote:

> Hello all. I acquired an Orion 565 yesterday and am in the process of setting up and learning this rig. I know there is quite a curve and so have been searching for all the info I can find about the radio.
>
> I did a master reset of the radio wanting to start from scratch. It has the latest firmware installed already and all seems to be working just fine. I did read however that you need to set the center frequency on the 500 and 250 filters after a reset.
>
> I found and read the procedure for doing this and it sounds pretty easy, however the problem I'm having is that I can't find the "steady signal" that they tell say you need in order to accomplish this. I thought that I could use WWV but even that fades in and out so much I can't rely on it to complete the process.
>
> Anyone have a better way or any ideas? Thanks.
>
> 73, Vince
>
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>
> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

9327. Re: [orion565] Filter Center Freq. Adjustment question.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-05 19:02:02 UTC
From: Joe KX4JR
Topic: 9309 Message: 9327

Fernando...
Here's the actual web address for KI6WX's pdf on Using Spectrogram...
73, Joe, KX4JR

http://web.archive.org/web/20030430060335/http://home.pacbell.net/johngreb/Using_Spectrogram_To_Measure_Filter_Response.pdf

On 4/5/2013 2:22 PM, Fernando wrote:
> Hello
>
> I had similar problem hearing the difference and found a visual program
> called
>
> Spectrogram (Window Program). The unregistered one will run for 10
> minutes before stopping.
>
> Plenty of time to adjust both CF of the filters.
>
> I came across a pdf titled "Using Spectrogram To Measure Filter Response" by
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> John Grebenkemper, KI6WX that will help with the initial setting of the
> program.
>
> That will take a minute or two.
>
> By the way, on my 565 the best setting was a zero offset, go figure. hi..
>
> Fernando N2FQ/6
> n2fq@... <mailto:n2fq%40sbcglobal.net>
>
>

9328. Re: [orion565] Filter Center Freq. Adjustment question.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-05 19:23:26 UTC
From: Fernando
Topic: 9309 Message: 9328

Thanks Joe.

Here is my Youtube video doing the adjustment. No much to it, really.

<http://youtu.be/7Pcp4pU2VwM>

Fernando N2FQ/6
n2fq@...

On Apr 5, 2013, at 12:02 PM, Joe KX4JR <kx4jr@...> wrote:

> Fernando...
> Here's the actual web address for KI6WX's pdf on Using Spectrogram...
> 73, Joe, KX4JR
>
> http://web.archive.org/web/20030430060335/http://home.pacbell.net/johngreb/Using_Spectrogram_To_Measure_Filter_Response.pdf
>
>
> On 4/5/2013 2:22 PM, Fernando wrote:
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>> I had similar problem hearing the difference and found a visual program
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>> Spectrogram (Window Program). The unregistered one will run for 10
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>> That will take a minute or two.
>>
>> By the way, on my 565 the best setting was a zero offset, go figure. hi..
>>
>> Fernando N2FQ/6
>> n2fq@... <mailto:n2fq%40sbcglobal.net>
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> Yahoo! Groups Links
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9329. Re: [orion565] Filter Center Freq. Adjustment question.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-05 19:25:40 UTC
From: TroyW6HV
Topic: 9309 Message: 9329

I used my grid dip oscillator. It’s stable and made the adjustment easy.
Zero is great! Mine was +50 Hz for the 600 and −40 Hz for the 300.

Troy, W6HV

-----Original Message-----
From: Fernando
Sent: Friday, April 05, 2013 11:22 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Filter Center Freq. Adjustment question.

Hello

I had similar problem hearing the difference and found a visual program called

Spectrogram (Window Program). The unregistered one will run for 10 minutes before stopping.

Plenty of time to adjust both CF of the filters.

I came across a pdf titled "Using Spectrogram To Measure Filter Response" by

John Grebenkemper, KI6WX that will help with the initial setting of the program.

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Fernando N2FQ/6
n2fq@...

On Apr 3, 2013, at 7:25 PM, vinster1k <vinster100@...> wrote:

> Hello all. I acquired an Orion 565 yesterday and am in the process of setting up and learning this rig. I know there is quite a curve and so have been searching for all the info I can find about the radio.
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> I did a master reset of the radio wanting to start from scratch. It has the latest firmware installed already and all seems to be working just fine. I did read however that you need to set the center frequency on the 500 and 250 filters after a reset.
>
> I found and read the procedure for doing this and it sounds pretty easy, however the problem I'm having is that I can't find the "steady signal" that they tell say you need in order to accomplish this. I thought that I could use WWV but even that fades in and out so much I can't rely on it to complete the process.
>
> Anyone have a better way or any ideas? Thanks.
>
> 73, Vince

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> Yahoo! Groups Links
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Yahoo! Groups Links

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9330. Re: Filter Center Freq. Adjustment question.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-06 00:38:55 UTC
From: vinster1k
Topic: 9309 Message: 9330

Well I came up with another way...not sure if it is ideal or even good. I removed the ant from the Orion so as not to overload it and transmitted a cw tone with my FT-847 set with the power turned down enough to give me a steady S-meter reading on the Orion. This gave me a "steady" signal. My settings ended up being -50 for 500hz and -80 for 250hz.

--- In orion565@yahoogroups.com, "TroyW6HV" <w6hv@...> wrote:
>
> I used my grid dip oscillator. Itâ□□s stable and made the adjustment easy.
> Zero is great! Mine was +50 Hz for the 600 and â□"40 Hz for the 300.
>
> Troy, W6HV
>
> -----Original Message-----
> From: Fernando
> Sent: Friday, April 05, 2013 11:22 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Filter Center Freq. Adjustment question.
>
> Hello
>
> I had similar problem hearing the difference and found a visual program called
>
> Spectrogram (Window Program). The unregistered one will run for 10 minutes before stopping.
>
> Plenty of time to adjust both CF of the filters.
>
> I came across a pdf titled "Using Spectrogram To Measure Filter Response" by
>
> John Grebenkemper, KI6WX that will help with the initial setting of the program.
>
> That will take a minute or two.
>
> By the way, on my 565 the best setting was a zero offset, go figure. hi..
>
>
> Fernando N2FQ/6
> n2fq@...
>
>
>
>
> On Apr 3, 2013, at 7:25 PM, vinster1k <vinster100@...> wrote:
>
> > Hello all. I acquired an Orion 565 yesterday and am in the process of setting up and learning this rig. I know there is

quite a curve and so have been searching for all the info I can find about the radio.
> >
> > I did a master reset of the radio wanting to start from scratch. It has the latest firmware installed already and all seems to be working just fine. I did read however that you need to set the center frequency on the 500 and 250 filters after a reset.
> >
> > I found and read the procedure for doing this and it sounds pretty easy, however the problem I'm having is that I can't find the "steady signal" that they tell say you need in order to accomplish this. I thought that I could use WWV but even that fades in and out so much I can't rely on it to complete the process.
> >
> > Anyone have a better way or any ideas? Thanks.
> >
> > 73, Vince
> >
> >
> >
> >
> > ------------------------------------
> >
> >
> > Yahoo! Groups Links
> >
> >
> >
>
>
>
> [Non-text portions of this message have been removed]
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> ------------------------------------
>
>
> Yahoo! Groups Links
>
>
>
> [Non-text portions of this message have been removed]
>

9331. Mic Impedance on 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-06 00:56:23 UTC
From: vinster1k
Topic: 9331 Message: 9331

Newb question #2:

I'm trying to figure out what mic to use on my new 565. I have couple laying around that I could enlist. A Kenwood mc60 or a Shure sm58.

The paragraph on mic wiring doesn't mention impedance. It seems to me they should have gone in to more detail and even given a impedance range to use. Of course I'm never satisfied with the wording or level of explanations in manuals.

In the specs section of the manual it states "Microphone Input Impedance: >10 k-ohms at 1 kHz". This is confusing to me. Are they saying to use a mic with 10k or more impedance?

The mc60 can switch between 500 & 50k. The sm58 is 150 ohms (300 ohms actual).

Could anyone explain this a bit more and tell me what impedance range mic I should be connecting? Thanks.

9332. S-meter reading and RFgain setting.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-06 01:01:05 UTC
From: vinster1k
Topic: 9332 Message: 9332

Newb question #3:

OK, so I'm learning to use my new 565 and playing with AF and RF gains. I have noticed that when I lower the RF gain, the S-meter indication rises and just "sits" there, rendering the meter essentially useless.

This is very bizaar to me and for the life of me I can't explain it. I can't give an accurate report without turning the RFgain all the way up at least momentarily. Is this normal behavior and if so, why?

Thanks for any help.

9333. Re: [orion565] S-meter reading and RFgain setting.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-06 01:29:11 UTC
From: catfishtwo@...
Topic: 9332 Message: 9333

I always use my ears for reports. If one is really trying to get the "best" report, then turn down the gain and read it, but usually I just send what I hear. One of the best ways to listen to your Orion is to turn the volume up and control the level of audio with the rf gain. this lets the DSP work best , or somethin

tom N6AJR

In a message dated 4/5/2013 6:03:53 P.M. Pacific Daylight Time, vinster100@... writes:

Newb question #3:

OK, so I'm learning to use my new 565 and playing with AF and RF gains. I have noticed that when I lower the RF gain, the S-meter indication rises and just "sits" there, rendering the meter essentially useless.

This is very bizaar to me and for the life of me I can't explain it. I can't give an accurate report without turning the RFgain all the way up at least momentarily. Is this normal behavior and if so, why?

Thanks for any help.

Yahoo! Groups Links

[Non-text portions of this message have been removed]

9334. Re: [orion565] Re: 565 Receive distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-06 09:22:59 UTC
From: Sam W Jacobs CET
Topic: 9312 Message: 9334

Chris,

IF you have the AN (auto notch) turned on and a strong signal is present, the audio will distort. The is a BUG that John is and has been working on. When you turn off the AN the distortion goes away. I picked this up right away when I moved from software version 2.064b (I think). As soon as I went to version 3.xxx the distortion began.

Also the distortion is more noticeable coming from the rear audio RCA jack than it is from the front speaker.

Hope that helps.

73 !

Sam
K3SAM

From: CHRIS <k4win@...>
To: orion565@yahoogroups.com
Sent: Thursday, April 4, 2013 2:53 PM
Subject: [orion565] Re: 565 Receive distortion

Thanks for the suggestions.

I am using firmware 3.032

I have checked and rechecked the AGC settings and parameters. Are there new settings for this firmware? Should I do a master reset or is there an AGC reseT?

I have the Hardware noise reduction on, set at 1. I have always used the hardware NR for the bad power line noise I have at this location when the wind blows or rains. It has never had a negative effect before.

Both speaker and headphone exhibit the distortion. And the worst is it is intermittent.
I HATE TO SEND SOMETHING TO BE REPAIRED THAT IS INTERMITTENT!

I will continue to try and track this down until I can recreate it multiple times. Then if it needs a repair that I cannot perform, I'll send it to Ten-Tec.

Until I can I will look for people that have had this problem, and solved it.
Thanks again for any ideas the group might have.

Chris k4win

--- In orion565@yahoogroups.com, "Bill Sepulveda" <k5ln@...> wrote:
>
> Hi Christ,
>

>
>
> Do you have either software or hardware Noise Blanker on?
>
>
>
> Tnx,
>
> Bill, K5LN
>
>
>
>
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of CHRIS
> Sent: Thursday, April 04, 2013 10:14 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] 565 Receive distortion
>
>
>
>
>
> I am experiencing receive audio distortion on both ssb and cw signals. It
> occurs on both headphones and speaker. I have tried it with filters in or
> out, auto or selected. I feel like I have been through the menu with a fine
> tooth comb and cannot find where a setting has changed.
> It seems like the 565 has been increasingly flaky, maybe I need a new
> internal battery as I have seen mentioned many times. For example the b&w
> screen starts with very little contrast but after a while seems fine.
> Any thoughts or suggestions would be appreciated.
>
> Chris K4WIN
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

9335. Re: S-meter reading and RFgain setting.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-06 09:25:22 UTC
From: pa1ap
Topic: 9332 Message: 9335

Turning down the RF Gain will indeed move the s meter reading up. It is used as agc activation level indicator. Turn down the rf gain until the s meter indicates S5 and you know the AGC will engage at signals above S5. Signals below S5 would not be normalized by AGC and hence produce less audio presence.

I typically turn RF gain down/up until the s meter is (just) above the undesired signal where undesired could be band noise etc. There is no realistic s-meter reading anyway below that signal level (aka band noise).

The other version is to deactivate AGC by turning down RF gain and turning up AF gain to a fixed value. Than RF gain is used as the replacement audio presence control function. You will loose any sense of visual signal level indication this way.

I spend / waisted a lot of time measuring the difference between the two models and I could not measure a realistic difference. I suggest you try both and see what works best for you.

If you find the AGC to be (to) sharp a little bit of hang time might help to smooth out the short bursts. Decay value would help when you face a very dense / populated channel with a mix of strong and weak stations.

Please note; in recent firmware the default threshold value is set to 5uV... Just check if thats the case and turn it down to lowest value. Its easier to turn down/up the RF Gain as this controls the same AGC function aka agc activation point.

hope this helps. Best regards Onno pa1ap

--- In orion565@yahoogroups.com, "vinster1k" <vinster100@...> wrote:
>
> Newb question #3:
>
> OK, so I'm learning to use my new 565 and playing with AF and RF gains. I have noticed that when I lower the RF gain, the S-meter indication rises and just "sits" there, rendering the meter essentially useless.
>
> This is very bizaar to me and for the life of me I can't explain it. I can't give an accurate report without turning the RFgain all the way up at least momentarily. Is this normal behavior and if so, why?
>
> Thanks for any help.
>

9336. Re: [orion565] S-meter reading and RFgain setting.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-06 10:16:13 UTC
From: Barry N1EU
Topic: 9332 Message: 9336

On Sat, Apr 6, 2013 at 1:01 AM, vinster1k <vinster100@...> wrote:

> **
> I have noticed that when I lower the RF gain, the S-meter indication rises
> and just "sits" there, rendering the meter essentially useless.
>
>
>
Yes, unfortunately that's how it works now on the Orion 565. There were older versions of 565 firmware where you retained full scale S-meter reading with reduced RF Gain. What compounds the issue is that the Orion receiver really needs to be used with reduced RF Gain to function properly. The Orion II does have full scale S-meter with reduced RF Gain, a feature that was recently restored in firmware. My understanding is that the Orion 565 lacks the firmware memory capacity to have the feature added back in.

It really is a pity, considering the big beautiful analog S-meter in the Orion, rendered useless by the need to reduce RF Gain. Maybe someday the engineers can do some housekeeping and free up enough memory to restore the feature to the Orion, but not sure that's a realistic hope.

73, Barry N1EU

[Non-text portions of this message have been removed]

9337. Re: [orion565] Mic Impedance on 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-06 11:55:47 UTC
From: Barry N1EU
Topic: 9331 Message: 9337

On Sat, Apr 6, 2013 at 12:56 AM, vinster1k <vinster100@...> wrote:

>
>
>
> In the specs section of the manual it states "Microphone Input Impedance:
> >10 k-ohms at 1 kHz". This is confusing to me. Are they saying to use a mic
> with 10k or more impedance?
>
>
No, they're saying the Orion has a microphone input impedance greater than
10Kohms. Your 150-500 ohm OUTPUT impedance microphones should be usable.

Barry N1EU

On Sat, Apr 6, 2013 at 12:56 AM, vinster1k <vinster100@...> wrote:

> **
>
>
> Newb question #2:
>
> I'm trying to figure out what mic to use on my new 565. I have couple
> laying around that I could enlist. A Kenwood mc60 or a Shure sm58.
>
> The paragraph on mic wiring doesn't mention impedance. It seems to me they
> should have gone in to more detail and even given a impedance range to use.
> Of course I'm never satisfied with the wording or level of explanations in
> manuals.
>
> In the specs section of the manual it states "Microphone Input Impedance:
> >10 k-ohms at 1 kHz". This is confusing to me. Are they saying to use a mic
> with 10k or more impedance?
>
> The mc60 can switch between 500 & 50k. The sm58 is 150 ohms (300 ohms
> actual).
>
> Could anyone explain this a bit more and tell me what impedance range mic
> I should be connecting? Thanks.
>
>
>

[Non-text portions of this message have been removed]

9338. RE: [orion565] S-meter reading and RFgain setting.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-06 22:00:04 UTC
From: Andrew B. Steen
Topic: 9332 Message: 9338

It is quite interesting that the 566 now has that feature, and the 565 does not.

That and the s meter calibration on the 566 is very useful.

I too, run my RF gain at about 50% for a quiet background.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Saturday, April 06, 2013 3:16 AM
To: Orion565
Subject: Re: [orion565] S-meter reading and RFgain setting.

On Sat, Apr 6, 2013 at 1:01 AM, vinster1k <vinster100@... <mailto:vinster100%40hotmail.com> > wrote:

> **
> I have noticed that when I lower the RF gain, the S-meter indication rises
> and just "sits" there, rendering the meter essentially useless.
>
>
>
Yes, unfortunately that's how it works now on the Orion 565. There were older versions of 565 firmware where you retained full scale S-meter reading with reduced RF Gain. What compounds the issue is that the Orion receiver really needs to be used with reduced RF Gain to function properly. The Orion II does have full scale S-meter with reduced RF Gain, a feature that was recently restored in firmware. My understanding is that the Orion 565 lacks the firmware memory capacity to have the feature added back in.

It really is a pity, considering the big beautiful analog S-meter in the Orion, rendered useless by the need to reduce RF Gain. Maybe someday the engineers can do some housekeeping and free up enough memory to restore the feature to the Orion, but not sure that's a realistic hope.

73, Barry N1EU

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9339. Re: 565 Question /Pan-adapter/9mHz etc..

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-07 09:02:45 UTC
From: f3wt@...
Topic: 9339 Message: 9339

Hi John,

No need for a RX_366 if it is o n l y for that!
As described elsewhere to quite some extend, you may insert at the entrance of either Main or Sub-RX a PMSDR or similar running SW on Flex or the like. You will end-up with 3 receivers (keeping the actual Sub of O1, 1 or even 2 as well with a PMSDR, done by SW) for half the bucks.
73
Pierre, F3WT

9340. Re: 565 Receive distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-07 09:20:58 UTC
From: f3wt@...
Topic: 9312 Message: 9340

Hi Chris,

Meantime (before TT fixes that), did you notice any improvement when reducing RF-gain? Probably you did, if I interpret rightly.
A TT exec showed (on You-tube)how to use it with consistency - that we all tend to keep that 'pot' - which BTW it isn't
on OI or IIs- set to 100%, which often we shouldn't or for sure isn't needed, thus improving IMD-3RD! (Same as output pwr from TXs)
73s
Pierre
F3WT

9341. Re: orion 565 power summary

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-07 09:32:57 UTC
From: f3wt@...
Topic: 9323 Message: 9341

Hi Onno et all,

I agree..

Now, although 'wx' and 'temp' haven't improved much since Eastern over
here (hi!),
my O1 keeps currently powering on and booting at once agn :-))
Wouldn't take to the Moon into a future Lunar-module though,
independently of no use,no low-band neither any ionosphere up-there! hi!
73's
Pierre
F3WT

9342. Re: 565 Question /Pan-adapter/9mHz etc..

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-09 17:52:17 UTC
From: saukp
Topic: 9339 Message: 9342

hi...

I did exactly that and posted the mod in the files section of this group....for details and pictures see file
orion_mod_spare.pdf

Paul K3SF

--- In orion565@yahoogroups.com, f3wt@... wrote:
>
> Hi John,
>
> No need for a RX_366 if it is o n l y for that!
> As described elsewhere to quite some extend, you may insert at the
> entrance of either Main or Sub-RX a PMSDR or similar running SW
> on Flex or the like. You will end-up with 3 receivers (keeping the
> actual Sub of O1, 1 or even 2 as well with a PMSDR, done by SW) for half
> the bucks.
> 73
> Pierre, F3WT
>

9343. 566 for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-11 16:52:05 UTC
From: n9aop2000
Topic: 9343 Message: 9343

I have an orion2 for sale. Has all 6 crystal filters and the autotuner and desk mike. Looking for around $3300 to $3600.
Art

9344. Re: 566 for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-11 16:58:31 UTC
From: branton_thomas
Topic: 9343 Message: 9344

Hi Art,

Email on the way to you.

Tom

--- In orion565@yahoogroups.com, "n9aop2000" <avidmar@...> wrote:
>
> I have an orion2 for sale. Has all 6 crystal filters and the
> autotuner and desk mike. Looking for around $3300 to $3600.
> Art
>

9345. Re: 565 Question /Pan-adapter/9mHz etc..

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-11 19:42:03 UTC
From: pierre_rothenburger
Topic: 9339 Message: 9345

Good!
Thank you!
I remember also of a more involved mod with an "emitter-follower" transistor linking a constant point before the 9mHz IF roofing-filters indeed to the spare on the back.

Pierre F3WT

--- In orion565@yahoogroups.com, "saukp" <saukp@...> wrote:
>
>
> hi...
>
> I did exactly that and posted the mod in the files section of this group....for details and pictures see file
> orion_mod_spare.pdf
>
>
> Paul K3SF
>
> --- In orion565@yahoogroups.com, f3wt@ wrote:
> >
> > Hi John,
> >
> > No need for a RX_366 if it is o n l y for that!
> > As described elsewhere to quite some extend, you may insert at the
> > entrance of either Main or Sub-RX a PMSDR or similar running SW
> > on Flex or the like. You will end-up with 3 receivers (keeping the
> > actual Sub of O1, 1 or even 2 as well with a PMSDR, done by SW) for half
> > the bucks.
> > 73
> > Pierre, F3WT
> >
>

9346. Re: 565 Question /Pan-adapter/9mHz etc..

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-12 13:20:49 UTC
From: ve7tk
Topic: 9339 Message: 9346

You may be referring to my mod. It is on my website:

http://www3.telus.net/ve7tk/9MHz_IF.pdf

73, Rick
VE7TK

--- In orion565@yahoogroups.com, "pierre_rothenburger" <f3wt@...> wrote:
>
> Good!
> Thank you!
> I remember also of a more involved mod with an "emitter-follower" transistor linking a constant point before the 9mHz IF roofing-filters indeed to the spare on the back.
>
> Pierre F3WT
>
> --- In orion565@yahoogroups.com, "saukp" <saukp@> wrote:
> >
> >
> > hi...
> >
> > I did exactly that and posted the mod in the files section of this group....for details and pictures see file
> > orion_mod_spare.pdf
> >
> >
> > Paul K3SF
> >
> > --- In orion565@yahoogroups.com, f3wt@ wrote:
> > >
> > > Hi John,
> > >
> > > No need for a RX_366 if it is o n l y for that!
> > > As described elsewhere to quite some extend, you may insert at the
> > > entrance of either Main or Sub-RX a PMSDR or similar running SW
> > > on Flex or the like. You will end-up with 3 receivers (keeping the
> > > actual Sub of O1, 1 or even 2 as well with a PMSDR, done by SW) for half
> > > the bucks.
> > > 73
> > > Pierre, F3WT
> > >
> >
>

9347. Orion 565 Mic gain VS band

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-14 12:03:03 UTC
From: va2na77
Topic: 9347 Message: 9347

Hi group,

i have my Orion for 1 year and i do really like this radio. Receiver is just the finest i ever have.

My Orion are in stock form, the only thing i do is to put a thermostatic switch (50 celcius) on the heathink to control the fan.

Only issue i have is the mic gain change from band to band... 15-10 meters need to be higher to have the same output.

Look like the TX IF gain is not the same from higher band...

So anyone have clue about this little problem?

Guillaume

9348. Re: [orion565] Orion 565 Mic gain VS band

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-14 12:22:31 UTC
From: Barry N1EU
Topic: 9347 Message: 9348

Go to Menu - Other and set "Mic/Pwr Setting" to "Per Band" - this will
allow you to have different settings per band.

73, Barry N1EU

On Sun, Apr 14, 2013 at 12:03 PM, va2na77 <va2na@...> wrote:

> **
>
>
> Hi group,
>
> i have my Orion for 1 year and i do really like this radio. Receiver is
> just the finest i ever have.
>
> My Orion are in stock form, the only thing i do is to put a thermostatic
> switch (50 celcius) on the heathink to control the fan.
>
> Only issue i have is the mic gain change from band to band... 15-10 meters
> need to be higher to have the same output.
>
> Look like the TX IF gain is not the same from higher band...
>
> So anyone have clue about this little problem?
>
> Guillaume
>
>
>

[Non-text portions of this message have been removed]

9349. Orion 565 locking up

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-14 12:41:48 UTC
From: w5sum
Topic: 9349 Message: 9349

I wonder if any of you have experienced this? yesterday I was setting up for split to work the Samoa group on right now. Suddenly, NO buttons would respond except for the VFO's. I could change frequencies with both, but no other buttons or knobs would work, I couldn't even adjust volume.
I tried the manual reset as called for in the manual but it would not work.
I DO have the latest firmware upgrade.

I powered the rig off and on several times, actually removed the power cable once. Checked my power supply for proper voltate and AC Ripple. All was good.

after about an hour, suddenly, it just came to life without me doing anything.

it has not done it again, but this was scarey.

Any idea's?

Ronnie - W5SUM

[Non-text portions of this message have been removed]

9350. Re: [orion565] Orion 565 Mic gain VS band

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-14 13:30:36 UTC
From: tnnyswy@...
Topic: 9347 Message: 9350

Have you tried using a Dummy load ?
When setting your Mic Gain, it is best that you use a Dummy Load to tune your mic gain
(Dummy load = 50 ohms constantly)
so as to have the least amount of "ALC"
Yes, I did say "Least amount in conjunction with ALC"
The letter "L" in ALC stands for "Limiting"

((((73)))) Milverton.

>_____
> From: va2na77 <va2na@...>
>To: orion565@yahoogroups.com
>Sent: Sunday, April 14, 2013 7:03 AM
>Subject: [orion565] Orion 565 Mic gain VS band
>
>
>
>
>Hi group,
>
>i have my Orion for 1 year and i do really like this radio. Receiver is just the finest i ever have.
>
>My Orion are in stock form, the only thing i do is to put a thermostatic switch (50 celcius) on the heathink to control the fan.
>
>Only issue i have is the mic gain change from band to band... 15-10 meters need to be higher to have the same output.
>
>Look like the TX IF gain is not the same from higher band...
>
>So anyone have clue about this little problem?
>
>Guillaume
>
>
>
>
>

[Non-text portions of this message have been removed]

9351. Re: [orion565] Orion 565 Mic gain VS band

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-14 13:36:12 UTC
From: Barry N1EU
Topic: 9347 Message: 9351

My experience is actually the same as Guillaume - 565 has difficulty reaching full ALC LED action on 12/10M with v3 firmware. He's not necessarily doing anything wrong.

73, Barry N1EU

On Sun, Apr 14, 2013 at 1:30 PM, <tnnyswy@...> wrote:

> **
>
>
> Have you tried using a Dummy load ?
> When setting your Mic Gain, it is best that you use a Dummy Load to tune
> your mic gain
> (Dummy load = 50 ohms constantly)
> so as to have the least amount of "ALC"
> Yes, I did say "Least amount in conjunction with ALC"
> The letter "L" in ALC stands for "Limiting"
>
> ((((73)))) Milverton.
>
> >_____
> > From: va2na77 <va2na@...>
> >To: orion565@yahoogroups.com
> >Sent: Sunday, April 14, 2013 7:03 AM
> >Subject: [orion565] Orion 565 Mic gain VS band
>
> >
> >
> >
> >
> >Hi group,
> >
> >i have my Orion for 1 year and i do really like this radio. Receiver is
> just the finest i ever have.
> >
> >My Orion are in stock form, the only thing i do is to put a thermostatic
> switch (50 celcius) on the heathink to control the fan.
> >
> >Only issue i have is the mic gain change from band to band... 15-10
> meters need to be higher to have the same output.
> >
> >Look like the TX IF gain is not the same from higher band...
> >
> >So anyone have clue about this little problem?
> >

> >Guillaume
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

9352. Re: [orion565] Orion 565 Mic gain VS band

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-14 13:53:39 UTC
From: tnnyswy@...
Topic: 9347 Message: 9352

>>> full ALC <<<

Sigh!
Full ALC means IMD/Splatter
Full ALC means the Radio is doing everything it can to 'LIMIT the CURRENT"
Did I mention that the L is for Limiting?
I suggested a"Dummy" load, because it represents a Resonant Antenna on every band, and with very little reflection on the ALC meter, your signal is 100% clean.

(
((((73)))) Milverton.

>_____
> From: Barry N1EU <barry.n1eu@...>
>To: orion565@yahoogroups.com
>Sent: Sunday, April 14, 2013 8:36 AM
>Subject: Re: [orion565] Orion 565 Mic gain VS band
>
>
>
>
>My experience is actually the same as Guillaume - 565 has difficulty
>reaching full ALC LED action on 12/10M with v3 firmware. He's not
>necessarily doing anything wrong.
>
>73, Barry N1EU
>
>On Sun, Apr 14, 2013 at 1:30 PM, <tnnyswy@yahoo.com> wrote:
>
>> **
>>
>>
>> Have you tried using a Dummy load ?
>> When setting your Mic Gain, it is best that you use a Dummy Load to tune
>> your mic gain
>> (Dummy load = 50 ohms constantly)
>> so as to have the least amount of "ALC"
>> Yes, I did say "Least amount in conjunction with ALC"
>> The letter "L" in ALC stands for "Limiting"
>>
>> ((((73)))) Milverton.
>>
>> >_____
>> > From: va2na77 <va2na@hotmail.com>
>> >To: orion565@yahoogroups.com
>> >Sent: Sunday, April 14, 2013 7:03 AM

>> >Subject: [orion565] Orion 565 Mic gain VS band
>>
>> >
>> >
>> >
>> >
>> >Hi group,
>> >
>> >i have my Orion for 1 year and i do really like this radio. Receiver is
>> just the finest i ever have.
>> >
>> >My Orion are in stock form, the only thing i do is to put a thermostatic
>> switch (50 celcius) on the heathink to control the fan.
>> >
>> >Only issue i have is the mic gain change from band to band... 15-10
>> meters need to be higher to have the same output.
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>> >Look like the TX IF gain is not the same from higher band...
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>> >So anyone have clue about this little problem?
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>> >Guillaume
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9353. Re: [orion565] Orion 565 Mic gain VS band

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-14 14:09:08 UTC
From: Barry N1EU
Topic: 9347 Message: 9353

According to p20 of the Orion manual, you adjust mic gain so that the ALC LED illuminates on voice peaks. To do so, you need a higher mic gain setting on 12/10M than on the lower bands. That's what the OP was saying. And I'm saying I see the same thing - it's unfortunately normal behavior of the Orion 565 with v3 firmware.

Barry N1EU

On Sun, Apr 14, 2013 at 1:53 PM, <tnnyswy@...> wrote:

> **
>
>
> >>> full ALC <<<
>
> Sigh!
> Full ALC means IMD/Splatter
> Full ALC means the Radio is doing everything it can to 'LIMIT the CURRENT"
> Did I mention that the L is for Limiting?
> I suggested a"Dummy" load, because it represents a Resonant Antenna on
> every band, and with
> very little reflection on the ALC meter, your signal is 100% clean.
>
> (
> (((73)))) Milverton.
>
> >_____
> > From: Barry N1EU <barry.n1eu@...>
> >To: orion565@yahoogroups.com
> >Sent: Sunday, April 14, 2013 8:36 AM
> >Subject: Re: [orion565] Orion 565 Mic gain VS band
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> >
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> >My experience is actually the same as Guillaume - 565 has difficulty
> >reaching full ALC LED action on 12/10M with v3 firmware. He's not
> >necessarily doing anything wrong.
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> >73, Barry N1EU
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> >On Sun, Apr 14, 2013 at 1:30 PM, <tnnyswy@...> wrote:
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> >> **
>

> >>
> >>
> >> Have you tried using a Dummy load ?
> >> When setting your Mic Gain, it is best that you use a Dummy Load to tune
> >> your mic gain
> >> (Dummy load = 50 ohms constantly)
> >> so as to have the least amount of "ALC"
> >> Yes, I did say "Least amount in conjunction with ALC"
> >> The letter "L" in ALC stands for "Limiting"
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> >> ((((73)))) Milverton.
> >>
> >> >_________________________________
> >> > From: va2na77 <va2na@...>
> >> >To: orion565@yahoogroups.com
> >> >Sent: Sunday, April 14, 2013 7:03 AM
> >> >Subject: [orion565] Orion 565 Mic gain VS band
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> >> >Hi group,
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> >> >Look like the TX IF gain is not the same from higher band...
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> >> >So anyone have clue about this little problem?
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9354. Version 1.373b3 or b5 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-14 20:11:11 UTC
From: toby423@...
Topic: 9354 Message: 9354

Is there anyone out there still using version 1 of the Orion firmware?

And what features of version 1 do you like better than version 3?

Toby W4CAK

9355. Re: [orion565] Orion 565 Mic gain VS band

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-15 00:51:47 UTC
From: Guillaume LArouche
Topic: 9347 Message: 9355

Thank for all your reply,

I always adjust my mic gain using peak reading wattmeter and SM220.. On 160-17 meters, 30 is the correct level for 100w pep, on 12-10 i have to increase mic gain to 50-60 to have 100w pep.

Guillaume VA2NA

On Apr 14, 2013, at 10:09, "Barry N1EU" <barry.n1eu@...> wrote:

> According to p20 of the Orion manual, you adjust mic gain so that the ALC
> LED illuminates on voice peaks. To do so, you need a higher mic gain
> setting on 12/10M than on the lower bands. That's what the OP was saying.
> And I'm saying I see the same thing - it's unfortunately normal behavior of
> the Orion 565 with v3 firmware.
>
> Barry N1EU
>
> On Sun, Apr 14, 2013 at 1:53 PM, <tnnyswy@...> wrote:
>
> > **
> > >
> > >
> > > >>> full ALC <<<
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> > > Sigh!
> > > Full ALC means IMD/Splatter
> > > Full ALC means the Radio is doing everything it can to 'LIMIT the CURRENT"
> > > Did I mention that the L is for Limiting?
> > > I suggested a"Dummy" load, because it represents a Resonant Antenna on
> > > every band, and with
> > > very little reflection on the ALC meter, your signal is 100% clean.
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> > > (
> > > (((73)))) Milverton.
> > >
> > > >_________________________________
> > > > From: Barry N1EU <barry.n1eu@...>
> > > >To: orion565@yahoogroups.com
> > > >Sent: Sunday, April 14, 2013 8:36 AM
> > > >Subject: Re: [orion565] Orion 565 Mic gain VS band
> > >
> > > >
> > > >
> > > >
> > > >

> > >My experience is actually the same as Guillaume - 565 has difficulty
> > >reaching full ALC LED action on 12/10M with v3 firmware. He's not
> > >necessarily doing anything wrong.
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> > >73, Barry N1EU
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> > >On Sun, Apr 14, 2013 at 1:30 PM, <tnnyswy@...> wrote:
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> > >>
> > >>
> > >> Have you tried using a Dummy load ?
> > >> When setting your Mic Gain, it is best that you use a Dummy Load to tune
> > >> your mic gain
> > >> (Dummy load = 50 ohms constantly)
> > >> so as to have the least amount of "ALC"
> > >> Yes, I did say "Least amount in conjunction with ALC"
> > >> The letter "L" in ALC stands for "Limiting"
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> > >> >_________________________________
> > >> > From: va2na77 <va2na@...>
> > >> >To: orion565@yahoogroups.com
> > >> >Sent: Sunday, April 14, 2013 7:03 AM
> > >> >Subject: [orion565] Orion 565 Mic gain VS band
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> > >> >
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> > >> >Hi group,
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> > >> >i have my Orion for 1 year and i do really like this radio. Receiver is
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> > >> >My Orion are in stock form, the only thing i do is to put a
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> > >> >Only issue i have is the mic gain change from band to band... 15-10
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9356. Re: Orion 565 locking up

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-15 08:25:43 UTC
From: pa1ap
Topic: 9349 Message: 9356

Did not have that with my orion 565. One exception I found long time ago was around electro static discharge which rendered my Orion to all kind of funny states. But power cycle fixed that.

It might be worthwhile to replace the battery on the logic board. Its lifetime seems to be around 6 years and most 565's are exceeding that age ;-) Once the battery goes bad the orion boot cycle will get unreliable and resets seem to be incomplete.

best regards, Onno

--- In orion565@yahoogroups.com, "w5sum" <w5sum@...> wrote:
>
> I wonder if any of you have experienced this? yesterday I was setting up for split to work the Samoa group on right now. Suddenly, NO buttons would respond except for the VFO's. I could change frequencies with both, but no other buttons or knobs would work, I couldn't even adjust volume.
> I tried the manual reset as called for in the manual but it would not work.
> I DO have the latest firmware upgrade.
>
> I powered the rig off and on several times, actually removed the power cable once. Checked my power supply for proper voltate and AC Ripple. All was good.
>
> after about an hour, suddenly, it just came to life without me doing anything.
>
> it has not done it again, but this was scarey.
>
> Any idea's?
>
> Ronnie - W5SUM
>
>
> [Non-text portions of this message have been removed]
>

9357. Re: Orion 565 Mic gain VS band

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-15 08:28:19 UTC
From: pa1ap
Topic: 9347 Message: 9357

sounds correct to me. Indeed 12/10 meter band require higher mic gain on my 565 too.

--- In orion565@yahoogroups.com, Guillaume LArouche <va2na@...> wrote:
>
> Thank for all your reply,
>
> I always adjust my mic gain using peak reading wattmeter and SM220.. On 160-17 meters, 30 is the correct level for 100w pep, on 12-10 i have to increase mic gain to 50-60 to have 100w pep.
>
> Guillaume VA2NA
>
> On Apr 14, 2013, at 10:09, "Barry N1EU" <barry.n1eu@...> wrote:
>
> > According to p20 of the Orion manual, you adjust mic gain so that the ALC
> > LED illuminates on voice peaks. To do so, you need a higher mic gain
> > setting on 12/10M than on the lower bands. That's what the OP was saying.
> > And I'm saying I see the same thing - it's unfortunately normal behavior of
> > the Orion 565 with v3 firmware.
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> > Barry N1EU
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> > On Sun, Apr 14, 2013 at 1:53 PM, <tnnyswy@...> wrote:
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> > > **
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> > > >>> full ALC <<<
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> > > Sigh!
> > > Full ALC means IMD/Splatter
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> > > Did I mention that the L is for Limiting?
> > > I suggested a"Dummy" load, because it represents a Resonant Antenna on
> > > every band, and with
> > > very little reflection on the ALC meter, your signal is 100% clean.
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> > > (
> > > (((73)))) Milverton.
> > >
> > > >_____
> > > > From: Barry N1EU <barry.n1eu@...>
> > > >To: orion565@yahoogroups.com
> > > >Sent: Sunday, April 14, 2013 8:36 AM
> > > >Subject: Re: [orion565] Orion 565 Mic gain VS band

> > >
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> > > >
> > > >My experience is actually the same as Guillaume - 565 has difficulty
> > > >reaching full ALC LED action on 12/10M with v3 firmware. He's not
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> > >
> > > >>
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> > > >> ((((73)))) Milverton.
> > > >>
> > > >> >_____
> > > >> > From: va2na77 <va2na@...>
> > > >> >To: orion565@...m
> > > >> >Sent: Sunday, April 14, 2013 7:03 AM
> > > >> >Subject: [orion565] Orion 565 Mic gain VS band
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> > > >> >
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> > > >> >Hi group,
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9358. Re: Version 1.373b3 or b5 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-15 08:43:31 UTC
From: pa1ap
Topic: 9354 Message: 9358

I would not use B3 / b5 but 1372 instead if I would use release 1 code at all.

What did I like;
1- rf notch and noise reduction
2- variable sweep span control
3- rf speech processor

What I did not like;
1- unstable operations
2- rx audio quality (distortion)
3- no visual indication of agc threshold
4- worse display quality

With the latest V3 firmware I have not experienced any unstable operations yet. But V3 misses the items I liked about V1 code. On the other hand the new sub receiver makes the 565 / 566 top of the line contest rig and for this the V3 firmware is needed.

That's my perception at least. Best regards, Onno

--- In orion565@yahoogroups.com, toby423@... wrote:
>
> Is there anyone out there still using version 1 of the Orion firmware?
>
> And what features of version 1 do you like better than version 3?
>
> Toby W4CAK
>

9359. Re: [orion565] Re: Version 1.373b3 or b5 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-15 09:08:03 UTC
From: Barry N1EU
Topic: 9354 Message: 9359

I used 1.373b5 up until installing the RX366 subrx. I didn't notice any audio distortion in it. I liked the full range s-meter ("no visual indication of agc threshold") and also the excellent speech processor which isn't as good in v2/v3. Also, I believe the overall gain with headphones was somehow higher in v1 (I could be wrong) - headphone output seems low to me in v3.

But there are far too many improvement in v3 for me to ever go back to v1.

73,
Barry N1EU

On Mon, Apr 15, 2013 at 8:43 AM, pa1ap <pa1ap@nextchallenge.net> wrote:

> **
>
>
> I would not use B3 / b5 but 1372 instead if I would use release 1 code at
> all.
>
> What did I like;
> 1- rf notch and noise reduction
> 2- variable sweep span control
> 3- rf speech processor
>
> What I did not like;
> 1- unstable operations
> 2- rx audio quality (distortion)
> 3- no visual indication of agc threshold
> 4- worse display quality
>
> With the latest V3 firmware I have not experienced any unstable operations
> yet. But V3 misses the items I liked about V1 code. On the other hand the
> new sub receiver makes the 565 / 566 top of the line contest rig and for
> this the V3 firmware is needed.
>
> That's my perception at least. Best regards, Onno
>
>
> --- In orion565@yahoogroups.com, toby423@... wrote:
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> > Is there anyone out there still using version 1 of the Orion firmware?
> >
> > And what features of version 1 do you like better than version 3?
> >
> > Toby W4CAK

> >
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>

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9360. Re: [orion565] Re: Orion 565 locking up

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-15 09:50:43 UTC
From: Ronnie Hull
Topic: 9349 Message: 9360

Thanks for all the suggestions! I think I will change the battery this week!

Sent from Ronnie's IPhone

On Apr 15, 2013, at 3:25 AM, "pa1ap" <pa1ap@nextchallenge.net> wrote:

> Did not have that with my orion 565. One exception I found long time ago was around electro static discharge which rendered my Orion to all kind of funny states. But power cycle fixed that.
>
> It might be worthwhile to replace the battery on the logic board. Its lifetime seems to be around 6 years and most 565's are exceeding that age ;-) Once the battery goes bad the orion boot cycle will get unreliable and resets seem to be incomplete.
>
> best regards, Onno
>
> --- In orion565@yahoogroups.com, "w5sum" <w5sum@...> wrote:
> >
> > I wonder if any of you have experienced this? yesterday I was setting up for split to work the Samoa group on right now. Suddenly, NO buttons would respond except for the VFO's. I could change frequencies with both, but no other buttons or knobs would work, I couldn't even adjust volume.
> > I tried the manual reset as called for in the manual but it would not work.
> > I DO have the latest firmware upgrade.
> >
> > I powered the rig off and on several times, actually removed the power cable once. Checked my power supply for proper voltate and AC Ripple. All was good.
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> > after about an hour, suddenly, it just came to life without me doing anything.
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> > it has not done it again, but this was scarey.
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> > Any idea's?
> >
> > Ronnie - W5SUM
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> >
> > [Non-text portions of this message have been removed]
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9361. 565 rx

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-15 09:58:51 UTC
From: Ronnie Hull
Topic: 9361 Message: 9361

I spent the entire weekend workng dx and I've got to say I have never enjoyed a radio as much as my 565! What a rx!
Ronnie w5sum

Sent from Ronnie's IPhone

9362. Re: Version 1.373b3 or b5 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-15 10:57:08 UTC
From: Mark
Topic: 9354 Message: 9362

I currently run 1.373b5 on my 565

Tried a V3 version(not the current)last november(?) 2012 and found:
- audio distortion (cannot remember exactly how and when exactly)
- AGC already moves S-meter from 96 onwards and acted way too fast, quickly showing S9+60
- AM BCB reception on 2nd RX was distorted and 'different' with regard to setting BW

Did not like the above and reinstalled 1.373b5
I do CW only and like to listen to AM BCB DX on the medium wave , using 2nd RX.
RF gain is usually set between 70-84 depending on band condx.
Enjoying this lovely rig since 2004.

I currently run V3.029 on my 566

Happy with that.
AGC action is much more course compared to the V1 @565
Using CW only. Mostly on Topband.
Not been able to do any serious DX'ing/contesting during the 8 months I now own this ORION II. This winter offered +10dB noise from several local disturbances. Not much time spent on this rig yet.
Saving money for a new 2nd RX board.
From what I read, the latest version with S-meter behavior changes makes me think to consider upgrading again.

73 Mark, PA5MW

--- In orion565@yahoogroups.com, toby423@... wrote:
>
> Is there anyone out there still using version 1 of the Orion firmware?
>
> And what features of version 1 do you like better than version 3?
>
> Toby W4CAK
>

9363. Re: [orion565] Re: Version 1.373b3 or b5 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-15 11:09:29 UTC
From: Barry N1EU
Topic: 9354 Message: 9363

On Mon, Apr 15, 2013 at 10:57 AM, Mark <pa5mw@...> wrote:

> **
>
>
> I currently run 1.373b5 on my 565
>
> Tried a V3 version(not the current)last november(?) 2012 and found:
> - audio distortion (cannot remember exactly how and when exactly)
> - AGC already moves S-meter from 96 onwards and acted way too fast,
> quickly showing S9+60
> - AM BCB reception on 2nd RX was distorted and 'different' with regard to
> setting BW
>
> Did not like the above and reinstalled 1.373b5
> I do CW only and like to listen to AM BCB DX on the medium wave , using
> 2nd RX.
> RF gain is usually set between 70-84 depending on band condx.
> Enjoying this lovely rig since 2004.
>
> I currently run V3.029 on my 566
>
> Happy with that.
> AGC action is much more course compared to the V1 @565
>
Mark, can you say more on exactly what you observe in the different AGC
action?

I agree that earlier v3 firmware had rx audio issues that were resolved in
the later v3 firmware. And yes, I had to recalibrate my s-meter as has
been discussed on the reflector (quick front panel routine).

73, Barry N1EU

[Non-text portions of this message have been removed]

9364. Re: Version 1.373b3 or b5 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-15 11:34:17 UTC
From: Mark
Topic: 9354 Message: 9364

Hi Barry,

Oops; by AGC action I meant RF control

Hope this explains the differences I noted:

V1.373b5 @565:
- RF action heard by ear from 86 downwards , slowly to 65. Below that it would gradually act quicker and the S-meter would show the fixed value.

V3.0x (nov '12) @565:
- RF action immedately heard by ear from 96 downwards, S-meter moving, very steep, already at 80 S9+60 and RX completeley deafened

RF gain settings in menu at 1.00 uV
I also leave the audio volume set at some >70% and adjust the RF gain to match the current level of noise/signals on the band.

I found, and still find the fine settings between 65 and 90 max (ORION reception suffers from both noise and sometimes distortion above that RF value setting of 90.

Sorry for my RF gain /AGC mixup!

73 Mark, PA5MW

-
> > I currently run 1.373b5 on my 565
> >
> > Tried a V3 version(not the current)last november(?) 2012 and found:
> > - audio distortion (cannot remember exactly how and when exactly)
> > - AGC already moves S-meter from 96 onwards and acted way too fast,
> > quickly showing S9+60

> Mark, can you say more on exactly what you observe in the different AGC
> action?
>
> I agree that earlier v3 firmware had rx audio issues that were resolved in
> the later v3 firmware. And yes, I had to recalibrate my s-meter as has
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>
> 73, Barry N1EU
>
>
> [Non-text portions of this message have been removed]
>

9365. Re: Version 1.373b3 or b5 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-15 14:45:02 UTC
From: toby423@...
Topic: 9354 Message: 9365

Mark, thank you for commenting on the V1 firmware. I obtained a used original Orion, and I had one a long time ago. I tried out the latest firmware version and it is improved in some ways, like with the spectrum scope and SAF.

But I missed the blended AGC/RF gain action of the 1.373 b5, and liked the way the s meter works in version 1. I think also the AN is inside the AGC loop in version 1.

Anyway, thanks for your taking time to make a few comments.

Toby W4CAK

--- In orion565@yahoogroups.com, "Mark" <pa5mw@...> wrote:
>
> Hi Barry,
>
> Oops; by AGC action I meant RF control
>
> Hope this explains the differences I noted:
>
> V1.373b5 @565:
> - RF action heard by ear from 86 downwards , slowly to 65. Below that it would gradually act quicker and the S-meter would show the fixed value.
>
> V3.0x (nov '12) @565:
> - RF action immedately heard by ear from 96 downwards, S-meter moving, very steep, already at 80 S9+60 and RX completeley deafened
>
> RF gain settings in menu at 1.00 uV
> I also leave the audio volume set at some >70% and adjust the RF gain to match the current level of noise/signals on the band.
>
> I found, and still find the fine settings between 65 and 90 max (ORION reception suffers from both noise and sometimes distortion above that RF value setting of 90.
>
>
> Sorry for my RF gain /AGC mixup!
>
> 73 Mark, PA5MW
>
>
>
> -
> > > I currently run 1.373b5 on my 565
> > >
> > > Tried a V3 version(not the current)last november(?) 2012 and found:
> > > - audio distortion (cannot remember exactly how and when exactly)

> > > - AGC already moves S-meter from 96 onwards and acted way too fast,
> > > quickly showing S9+60
>
> > Mark, can you say more on exactly what you observe in the different AGC
> > action?
> >
> > I agree that earlier v3 firmware had rx audio issues that were resolved in
> > the later v3 firmware. And yes, I had to recalibrate my s-meter as has
> > been discussed on the reflector (quick front panel routine).
> >
> > 73, Barry N1EU
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

9366. Re: [orion565] Re: Version 1.373b3 or b5 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-15 14:57:43 UTC
From: Barry N1EU
Topic: 9354 Message: 9366

On Mon, Apr 15, 2013 at 2:45 PM, <toby423@...> wrote:

> **
> But I missed the blended AGC/RF gain action of the 1.373 b5
>

How is the AGC/RF gain action in v3 different?

I know the gain distribution and levels have changed a bit, but RF Gain is
still tied to AGC threshold, etc. How is the AGC/RF gain action different?

73, Barry N1EU

[Non-text portions of this message have been removed]

9367. Re: Version 1.373b3 or b5 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-15 15:07:23 UTC
From: toby423@...
Topic: 9354 Message: 9367

Hi Barry, It does not seem to act like the threshold is blended with the RF gain. I was just going by what I was hearing. I can turn the RF gain much farther down in version 1 and still get good signal with less noise.

I suppose I just assumed V3 was not configured the same way as V1.

Also, in V1 isn't the AN inside the AGC loop, and V3 it is on the outside?

IN version 1 like the way the S meter does not deflect to the right when the RF gain is turned down.

'73 Toby W4CAK

--- In orion565@...m, Barry N1EU <barry.n1eu@...> wrote:
>
> On Mon, Apr 15, 2013 at 2:45 PM, <toby423@...> wrote:
>
> > **
> > But I missed the blended AGC/RF gain action of the 1.373 b5
> > >
>
> How is the AGC/RF gain action in v3 different?
>
> I know the gain distribution and levels have changed a bit, but RF Gain is
> still tied to AGC threshold, etc. How is the AGC/RF gain action different?
>
> 73, Barry N1EU
>
>
> [Non-text portions of this message have been removed]
>

9368. Re: [orion565] Re: Version 1.373b3 or b5 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-15 15:20:10 UTC
From: Barry N1EU
Topic: 9354 Message: 9368

On Mon, Apr 15, 2013 at 3:07 PM, <toby423@...> wrote:

> **
>
> Hi Barry, It does not seem to act like the threshold is blended with the
> RF gain. I was just going by what I was hearing. I can turn the RF gain
> much farther down in version 1 and still get good signal with less noise.
>

The RF Gain scales are vastly different between v1 and v3. I doubt there's
an effective difference between versions in how the receiver responds to
signal and noise.

>
> I suppose I just assumed V3 was not configured the same way as V1.
>
I think it IS. Only the gain distribution and levels have changed .

>
> Also, in V1 isn't the AN inside the AGC loop, and V3 it is on the outside?
>
Not sure, never use AN - perhaps someone else can chime in.

>
> IN version 1 like the way the S meter does not deflect to the right when
> the RF gain is turned down.
>

Yes, yes - we've discussed that often on both reflectors. Orion 565 missed
out on getting the feature restored. Because the Orion relies on use of
high AF Gain and low RF Gain, the beautiful S meter is rendered virtually
useless without this feature.

73, Barry N1EU

[Non-text portions of this message have been removed]

9369. Re: [orion565] Re: Version 1.373b3 or b5 Firmware

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-15 23:14:35 UTC
From: amfone
Topic: 9354 Message: 9369

I have used for years 1.373b5 as I understand a beta program. I like the audio from the Orion but the Noise Reduction seems useless, is this the case for others and what suggestions may anyone have?

Thanks
Tim
WB8UHZ

From: Barry N1EU <barry.n1eu@...>
To: orion565@yahoogroups.com
Sent: Monday, April 15, 2013 11:20 AM
Subject: Re: [orion565] Re: Version 1.373b3 or b5 Firmware

On Mon, Apr 15, 2013 at 3:07 PM, <toby423@...> wrote:

> **
>
> Hi Barry, It does not seem to act like the threshold is blended with the
> RF gain. I was just going by what I was hearing. I can turn the RF gain
> much farther down in version 1 and still get good signal with less noise.
>

The RF Gain scales are vastly different between v1 and v3. I doubt there's an effective difference between versions in how the receiver responds to signal and noise.

>
> I suppose I just assumed V3 was not configured the same way as V1.
>
I think it IS. Only the gain distribution and levels have changed .

>
> Also, in V1 isn't the AN inside the AGC loop, and V3 it is on the outside?
>
Not sure, never use AN - perhaps someone else can chime in.

>
> IN version 1 like the way the S meter does not deflect to the right when
> the RF gain is turned down.
>

Yes, yes - we've discussed that often on both reflectors. Orion 565 missed out on getting the feature restored. Because the Orion relies on use of high AF Gain and low RF Gain, the beautiful S meter is rendered virtually useless without this feature.

73, Barry N1EU

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9370. Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-17 01:20:29 UTC
From: ray.higgins25
Topic: 9370 Message: 9370

The receive audio on my ORION (with the external speaker) is much better than on my ts-590s(with external speaker) & the FTdx-5000D.
The folks from T-T came from ELECTROVOICE & they know a thing or two about audio.

9371. Re: [orion565] Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-17 01:39:48 UTC
From: Sam W Jacobs CET
Topic: 9370 Message: 9371

I've never said otherwise, in fact I've never heard a radio that had a better receiver (quiet wise). The "quality" of the audio isn't quite as good as Kenwood (IMHO) however much better than Yaesu and Icom.

I did bench tests years ago when I had the equipment and they proved the same. I've since sold my spectrum analyzer, scope and other pieces (signal generators etc.) so I can't repeat the tests.

73 !

Sam
K3SAM

From: ray.higgins25 <rayhig@...>
To: orion565@yahoogroups.com
Sent: Tuesday, April 16, 2013 9:20 PM
Subject: [orion565] Audio

The receive audio on my ORION (with the external speaker) is much better than on my ts-590s(with external speaker) & the FTdx-5000D.
The folks from T-T came from ELECTROVOICE & they know a thing or two about audio.

[Non-text portions of this message have been removed]

9372. Re: Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-17 09:42:14 UTC
From: f3wt@...
Topic: 9370 Message: 9372

Hi all,

I agree with Ray.
Concerning former TS590 (sold) On CW I disliked the sort of waterfall noise with NR2 on , similar to that
of a TS570 which was much quitter , the latter doing DSP on Audio while the former is doing it on (low) IF.
My O1 565 receiving was superb during last week-end JIDX cw contest.
Especially the SAF audio filter occasionally ON at 10Hz , to work weak JA station the second day made the difference. I was amazed..
This sort of rather low "inside cabin noise of cruising jets", which weak CW signals are embedded into seems much less prone to fatigue to me than DSP-noise in said TS590.
73s
Pierre
F3WT

9373. Orion II -- singals more quite compared to Orion I

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-17 20:55:59 UTC
From: Andreas
Topic: 9373 Message: 9373

Hello Group,
has anyone has an idea ?
iam owner of an orion-I with the latest Firmware 2.064x11 installed also the 500 & 250 Hz Filters.
Since one week have an orion-II, with 600 Hz Filter also the latest Firmware 3.033xa installed.
The S-meter calibration on both has been done as decscribed in the maual. Receiveing now them same Signal with the same Antenna, the Signal strength is much louder on the Orion-1, For Example S5 on the Orion-2,,,S8 on the Orion-1. (In SSB).
The same measure with Preamplifier on or off.

Adjust the AGC does not help really.

Regards, Andreas -DL3FDL-

9374. Re: Orion II -- singals more quite compared to Orion I

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-17 20:59:44 UTC
From: pa1ap
Topic: 9373 Message: 9374

Is sub receiver connected to same antenna? That could explain a loss in signal if 565 /566 has been configured differently? Regards, Onno

--- In orion565@yahoogroups.com, "Andreas" <dl3fdl@...> wrote:
>
> Hello Group,
> has anyone has an idea ?
> iam owner of an orion-I with the latest Firmware 2.064x11 installed also the 500 & 250 Hz Filters.
> Since one week have an orion-II, with 600 Hz Filter also the latest Firmware 3.033xa installed.
> The S-meter calibration on both has been done as decscribed in the maual. Receiveing now them same Signal with the same Antenna, the Signal strength is much louder on the Orion-1, For Example S5 on the Orion-2,,,S8 on the Orion-1. (In SSB).
> The same measure with Preamplifier on or off.
>
> Adjust the AGC does not help really.
>
> Regards, Andreas -DL3FDL-
>

9375. Re: [orion565] Re: Orion II -- singals more quite compared to Orion I

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-18 02:15:31 UTC
From: Chris Pinholster
Topic: 9373 Message: 9375

If the sub receiver is connected to the same antenna as the main receiver, there is loss of signal?
P,ease explain.

Thanks, Chris k4win

Sent from my iPad

On Apr 17, 2013, at 4:59 PM, pa1ap <pa1ap@...> wrote:

> Is sub receiver connected to same antenna? That could explain a loss in signal if 565 /566 has been configured differently? Regards, Onno
>
> --- In orion565@yahoogroups.com, "Andreas" <dl3fdl@...> wrote:
> >
> > Hello Group,
> > has anyone has an idea ?
> > iam owner of an orion-I with the latest Firmware 2.064x11 installed also the 500 & 250 Hz Filters.
> > Since one week have an orion-II, with 600 Hz Filter also the latest Firmware 3.033xa installed.
> > The S-meter calibration on both has been done as decscribed in the maual. Receiveing now them same Signal with the same Antenna, the Signal strength is much louder on the Orion-1, For Example S5 on the Orion-2,,,S8 on the Orion-1. (In SSB).
> > The same measure with Preamplifier on or off.
> >
> > Adjust the AGC does not help really.
> >
> > Regards, Andreas -DL3FDL-
> >
>
>

[Non-text portions of this message have been removed]

9376. Re: [orion565] Re: Orion II -- singals more quite compared to Orion I

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-18 02:44:20 UTC
From: K Van Horn
Topic: 9373 Message: 9376

Hi Chris,
If a signal is divided into two different signal paths, each one will be 3 dB lower, or half of a standard S unit, than the original signal unless they are amplified after the divider and before the S meter. Hence, in the Orion series, both 1 and 2, as well as ic7800, and ft9000d series, the signal at the front end of each receiver is cut in half(ie lowered by 3 dB.) I believe that there are amplifiers in the Orion series (both versions) after some of the narrower filters to compensate for the increased losses in the narrower filters (but I could be mistakened!). This could be the reason that the signals do not read 3 dB lower on both S meters.
73 es Gud DX,
Kirby, K7EC

From: Chris Pinholster
Sent: Wednesday, 17 April, 2013 20:15
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Orion II -- singals more quite compared to Orion I

If the sub receiver is connected to the same antenna as the main receiver, there is loss of signal?
P,ease explain.

Thanks, Chris k4win

Sent from my iPad

On Apr 17, 2013, at 4:59 PM, pa1ap <mailto:pa1ap%40nextchallenge.net> wrote:

> Is sub receiver connected to same antenna? That could explain a loss in signal if 565 /566 has been configured differently? Regards, Onno
>
> --- In mailto:orion565%40yahoogroups.com, "Andreas" <dl3fdl@...> wrote:
> >
> > Hello Group,
> > has anyone has an idea ?
> > iam owner of an orion-I with the latest Firmware 2.064x11 installed also the 500 & 250 Hz Filters.
> > Since one week have an orion-II, with 600 Hz Filter also the latest Firmware 3.033xa installed.
> > The S-meter calibration on both has been done as decscribed in the maual. Receiveing now them same Signal with the same Antenna, the Signal strength is much louder on the Orion-1, For Example S5 on the Orion-2,,,S8 on the Orion-1. (In SSB).
> > The same measure with Preamplifier on or off.
> >
> > Adjust the AGC does not help really.
> >
> > Regards, Andreas -DL3FDL-

> >
>
>

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[Non-text portions of this message have been removed]

9377. Re: Orion II -- singals more quite compared to Orion I

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-18 05:16:58 UTC
From: pa1ap
Topic: 9373 Message: 9377

You can check this through use of the antenna matrix. Just disconnect the sub receiver from the same antenna connection while observing a steady signal.
--- In orion565@yahoogroups.com, Chris Pinholster <k4win@...> wrote:
>
> If the sub receiver is connected to the same antenna as the main receiver, there is loss of signal?
> P,ease explain.
>
> Thanks, Chris k4win
>
> Sent from my iPad
>
> On Apr 17, 2013, at 4:59 PM, pa1ap <pa1ap@...> wrote:
>
> > Is sub receiver connected to same antenna? That could explain a loss in signal if 565 /566 has been configured differently? Regards, Onno
> >
> > --- In orion565@yahoogroups.com, "Andreas" <dl3fdl@> wrote:
> > >
> > > Hello Group,
> > > has anyone has an idea ?
> > > iam owner of an orion-I with the latest Firmware 2.064x11 installed also the 500 & 250 Hz Filters.
> > > Since one week have an orion-II, with 600 Hz Filter also the latest Firmware 3.033xa installed.
> > > The S-meter calibration on both has been done as decscribed in the maual. Receiveing now them same Signal with the same Antenna, the Signal strength is much louder on the Orion-1, For Example S5 on the Orion-2,,,S8 on the Orion-1. (In SSB).
> > > The same measure with Preamplifier on or off.
> > >
> > > Adjust the AGC does not help really.
> > >
> > > Regards, Andreas -DL3FDL-
> > >
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

9378. Re: [orion565] Re: 565 Receive distortion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-18 09:20:09 UTC
From: Chris Pinholster
Topic: 9312 Message: 9378

Thanks for all the helpful explanations from the group. The situation grew worse however. Static distortion was present in the headphones with only headphones (different sets) and power connected. The distortion and static in the headphones had me befuddled so I called Ten Tec.

They had me do a ram clear and master reset and everything returned to normal.

After reading and trying fixes I have developed a greater appreciation for Ten Tec and the capabilities of the Orion.

Next on my list will be to get the RX 366.

Thanks, Chris k4win

Sent from my iPad

On Apr 6, 2013, at 5:22 AM, Sam W Jacobs CET <Sam@...> wrote:

> Chris,
>
> IF you have the AN (auto notch) turned on and a strong signal is present, the audio will distort. The is a BUG that John is and has been working on. When you turn off the AN the distortion goes away. I picked this up right away when I moved from software version 2.064b (I think). As soon as I went to version 3.xxx the distortion began.
>
> Also the distortion is more noticeable coming from the rear audio RCA jack than it is from the front speaker.
>
> Hope that helps.
>
>
> 73 !
>
> Sam
> K3SAM
>
> _____
> From: CHRIS <k4win@...>
> To: orion565@yahoogroups.com
> Sent: Thursday, April 4, 2013 2:53 PM
> Subject: [orion565] Re: 565 Receive distortion
>
>
>
>
> Thanks for the suggestions.
>
> I am using firmware 3.032

>
> I have checked and rechecked the AGC settings and parameters. Are there new settings for this firmware? Should I do a master reset or is there an AGC reseT?
>
> I have the Hardware noise reduction on, set at 1. I have always used the hardware NR for the bad power line noise I have at this location when the wind blows or rains. It has never had a negative effect before.
>
> Both speaker and headphone exhibit the distortion. And the worst is it is intermittent.
> I HATE TO SEND SOMETHING TO BE REPAIRED THAT IS INTERMITTENT!
>
> I will continue to try and track this down until I can recreate it multiple times. Then if it needs a repair that I cannot perform, I'll send it to Ten-Tec.
>
> Until I can I will look for people that have had this problem, and solved it.
> Thanks again for any ideas the group might have.
>
> Chris k4win
>
> --- In orion565@yahoogroups.com, "Bill Sepulveda" <k5ln@...> wrote:
> >
> > Hi Christ,
> >
> >
> >
> > Do you have either software or hardware Noise Blanker on?
> >
> >
> >
> > Tnx,
> >
> > Bill, K5LN
> >
> >
> >
> >
> >
> >
> >
> > From: orion565@...m [mailto:orion565@yahoogroups.com] On Behalf
> > Of CHRIS
> > Sent: Thursday, April 04, 2013 10:14 AM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] 565 Receive distortion
> >
> >
> >
> >
> >
> >
> > I am experiencing receive audio distortion on both ssb and cw signals. It

> > occurs on both headphones and speaker. I have tried it with filters in or
> > out, auto or selected. I feel like I have been through the menu with a fine
> > tooth comb and cannot find where a setting has changed.
> > It seems like the 565 has been increasingly flaky, maybe I need a new
> > internal battery as I have seen mentioned many times. For example the b&w
> > screen starts with very little contrast but after a while seems fine.
> > Any thoughts or suggestions would be appreciated.
> >
> > Chris K4WIN
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

9379. Re: [orion565] Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-18 13:28:00 UTC
From: Sam W Jacobs CET
Topic: 9370 Message: 9379

You stated that those folks came from Electrovoice so they should know a thing or two about audio... there isn't anyone left that worked for Electro-Voice. They are long gone.

That was back in the day of Al Kahn (the founder of Ten-Tec and Electro-Voice).

Do any of you remember the Ten-Tec Picnics ?

Do any of you remember Al Kahn's return policy on Ten-Tec Radios ?

73 !

Sam
K3SAM

From: ray.higgins25 <rayhig@...>
To: orion565@yahoogroups.com
Sent: Tuesday, April 16, 2013 9:20 PM
Subject: [orion565] Audio

The receive audio on my ORION (with the external speaker) is much better than on my ts-590s(with external speaker) & the FTdx-5000D.
The folks from T-T came from ELECTROVOICE & they know a thing or two about audio.

[Non-text portions of this message have been removed]

9380. RE: [orion565] Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-18 14:12:51 UTC
From: John T. Fleming
Topic: 9370 Message: 9380

Sam,

I disagree. Jack Burchfield, K4JU, was Al’s right hand man. He is president of Ten-Tec and still very active in the design side of the fence.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Sam W Jacobs
CET
Sent: Thursday, April 18, 2013 9:28 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Audio

You stated that those folks came from Electrovoice so they should know a thing or two about audio... there isn't anyone left that worked for Electro-Voice. They are long gone.

That was back in the day of Al Kahn (the founder of Ten-Tec and Electro-Voice).

Do any of you remember the Ten-Tec Picnics ?

Do any of you remember Al Kahn's return policy on Ten-Tec Radios ?

73 !

Sam
K3SAM

[Non-text portions of this message have been removed]

9381. Re: [orion565] Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-18 17:48:00 UTC
From: Sam W Jacobs CET
Topic: 9370 Message: 9381

I am basing my statements on those made by a friend of Al's, Art Visser (W9ART). He use to go to the Ten-Tec Picnics with Al.

And the answer to one of my last questions about the "policy" of Ten-Tec radios when Al was alive: "If a radio has to come back to Ten-Tec more than 2 times for service, we replace the radio with a brand new one". With that said, I would have a brand new ORION II to replace mine that is 2 years old after having 8 A9 Boards go bad If I weren't a service tech myself, my radio would have gone back to Ten-Tec over 10 times so far (or 5 radios ago).

73 !

Sam
K3SAM

From: John T. Fleming <john@...>
To: orion565@yahoogroups.com
Sent: Thursday, April 18, 2013 10:12 AM
Subject: RE: [orion565] Audio

Sam,

I disagree. Jack Burchfield, K4JU, was Al’s right hand man. He is president of Ten-Tec and still very active in the design side of the fence.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Sam W Jacobs CET
Sent: Thursday, April 18, 2013 9:28 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Audio

You stated that those folks came from Electrovoice so they should know a thing or two about audio... there isn't anyone left that worked for Electro-Voice. They are long gone.

That was back in the day of Al Kahn (the founder of Ten-Tec and Electro-Voice).

Do any of you remember the Ten-Tec Picnics ?

Do any of you remember Al Kahn's return policy on Ten-Tec Radios ?

73 !

Sam
K3SAM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9383. Re: [orion565] Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-18 18:04:58 UTC
From: Sam W Jacobs CET
Topic: 9370 Message: 9383

Keep up with the thread Barry.
Just research the topic and you'll be up to speed.

Now to take advantage of this 80+ degree weather, I'm out of here. Too nice a day to spend in front of a computer.

73 !

Sam
K3SAM

From: Barry N1EU <barry.n1eu@gmail.com>
To: orion565@yahoogroups.com
Sent: Thursday, April 18, 2013 2:01 PM
Subject: Re: [orion565] Audio

On Thu, Apr 18, 2013 at 5:48 PM, Sam W Jacobs CET <Sam@...> wrote:

> I would have a brand new ORION II to replace mine that is 2 years old
> after having 8 A9 Boards go bad If I weren't a service tech myself, my
> radio would have gone back to Ten-Tec over 10 times so far (or 5 radios
> ago).
>

If there's a bad component repeatedly failing on the A9 board (cap?), why don't you just replace the bad component with a quality component? You've replaced your A9 board eight times?

Barry N1EU

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9385. Orion vs Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-20 15:59:57 UTC
From: k9ot
Topic: 7541 Message: 9385

For those of you on here that have/have had both the Orion and the Orion II, which one do you prefer?

Is there enough difference in them to spend the extra $ for the Orion II?
I am thinking difference on CW.

I had an Orion and sold it and now have an Omni VII which I do not think the receiver is as good as the Orion was.

Any comments will be appreciated.

Thanks, 73
Paul K9OT

9386. Interface for RTTY etc

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-21 03:31:04 UTC
From: w5sum
Topic: 9386 Message: 9386

howdy gents
I've had my 565 for two weeks and I love it

I want to try rtty, something I have never done.

can anyone recommend a tried and proven interface and software?

thanks in advance

Ronnie - w5SUM

9387. Serial port baud rate / other setting needed

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-21 03:48:34 UTC
From: w5xj2011
Topic: 9387 Message: 9387

What do you suggest running as far as baud rate and other settings to get the 565 to talk to HRD, N1MM, etc?

Thanks & 73 de W5XJ

9388. Re: [orion565] Interface for RTTY etc

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-21 04:12:39 UTC
From: Jim Koshmider
Topic: 9386 Message: 9388

That's an easy one, Ronnie...!

Ten Tec has an interface card, which is in-line with an inter-connecting USB cable. The model number is 712. I think it sells for something like $35 or $40, but haven't checked lately. All you need is to connect the cable between your (Windows) PC or laptop, and the Orion. If you use a Mac or some version of Windows prior to Windows 7, you should probably call Ten Tec to be sure what will work for you. I use Windows 7.

For software, I use FLDigi, which I believe is still free to download from the Internet. There are other software packages, but FLDigi covers a wide variety of digital modes and is easy to use. For the digital modes, I mainly use PSK-31, and to a lesser extent, RTTY. Both work flawlessly in this configuration. The only problems I have had (and they have been very few...) have been a result of "pilot error".

When in doubt about any of the above, either call TT or find a digital modes expert in your area that can show you the ropes.

Hope this helps -

73,

Jim, K8OZ
Albuquerque

From: w5sum <w5sum@...>
To: orion565@yahoogroups.com
Sent: Saturday, April 20, 2013 9:31 PM
Subject: [orion565] Interface for RTTY etc

howdy gents
I've had my 565 for two weeks and I love it

I want to try rtty, something I have never done.

can anyone recommend a tried and proven interface and software?

thanks in advance

Ronnie - w5SUM

[Non-text portions of this message have been removed]

9389. Re: [orion565] Interface for RTTY etc

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-21 04:38:22 UTC
From: w5sum
Topic: 9386 Message: 9389

thanks Jim, I will look into this!
----- Original Message -----
From: Jim Koshmider
To: orion565@yahoogroups.com
Sent: Saturday, April 20, 2013 11:12 PM
Subject: Re: [orion565] Interface for RTTY etc

That's an easy one, Ronnie...!

Ten Tec has an interface card, which is in-line with an inter-connecting USB cable. The model number is 712. I think it sells for something like $35 or $40, but haven't checked lately. All you need is to connect the cable between your (Windows) PC or laptop, and the Orion. If you use a Mac or some version of Windows prior to Windows 7, you should probably call Ten Tec to be sure what will work for you. I use Windows 7.

For software, I use FLDigi, which I believe is still free to download from the Internet. There are other software packages, but FLDigi covers a wide variety of digital modes and is easy to use. For the digital modes, I mainly use PSK-31, and to a lesser extent, RTTY. Both work flawlessly in this configuration. The only problems I have had (and they have been very few...) have been a result of "pilot error".

When in doubt about any of the above, either call TT or find a digital modes expert in your area that can show you the ropes.

Hope this helps -

73,

Jim, K8OZ
Albuquerque

_____
From: w5sum <w5sum@...>
To: orion565@yahoogroups.com
Sent: Saturday, April 20, 2013 9:31 PM
Subject: [orion565] Interface for RTTY etc

howdy gents
I've had my 565 for two weeks and I love it

I want to try rtty, something I have never done.

can anyone recommend a tried and proven interface and software?

thanks in advance

Ronnie - w5SUM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9390. Re: Interface for RTTY etc [Line Level]

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-21 05:01:41 UTC
From: storygene
Topic: 9386 Message: 9390

Since we are on this subject of RTTY, this reminds me to ask about the line level output on the AUX port. It tracks ith the position of the front panel Gain control instead of being a fixed level. It does this with V3 firmware and I think V2. I think in V1 there was a menu item that let you set the level from there.

Comments? I do not like the way it works presently unless someone can tell me if I am doing something wrong.

Gene. /. K7TO

9391. Re: [orion565] Interface for RTTY etc

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-21 15:05:56 UTC
From: w5sum
Topic: 9386 Message: 9391

looks like just the thing. They are $80 now and out of stock until sometime in May
----- Original Message -----
From: Jim Koshmider
To: orion565@yahoogroups.com
Sent: Saturday, April 20, 2013 11:12 PM
Subject: Re: [orion565] Interface for RTTY etc

That's an easy one, Ronnie...!

Ten Tec has an interface card, which is in-line with an inter-connecting USB cable. The model number is 712. I think it sells for something like $35 or $40, but haven't checked lately. All you need is to connect the cable between your (Windows) PC or laptop, and the Orion. If you use a Mac or some version of Windows prior to Windows 7, you should probably call Ten Tec to be sure what will work for you. I use Windows 7.

For software, I use FLDigi, which I believe is still free to download from the Internet. There are other software packages, but FLDigi covers a wide variety of digital modes and is easy to use. For the digital modes, I mainly use PSK-31, and to a lesser extent, RTTY. Both work flawlessly in this configuration. The only problems I have had (and they have been very few...) have been a result of "pilot error".

When in doubt about any of the above, either call TT or find a digital modes expert in your area that can show you the ropes.

Hope this helps -

73,

Jim, K8OZ
Albuquerque

_____
From: w5sum <w5sum@...>
To: orion565@yahoogroups.com
Sent: Saturday, April 20, 2013 9:31 PM
Subject: [orion565] Interface for RTTY etc

howdy gents
I've had my 565 for two weeks and I love it

I want to try rtty, something I have never done.

can anyone recommend a tried and proven interface and software?

thanks in advance

Ronnie - w5SUM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9392. LINE OUT jack problem on Orion II?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-21 15:05:55 UTC
From: kc2qma
Topic: 9392 Message: 9392

I decided the other day to use the line out jack on my Orion II but I get no audio from the line out? I checked the line out source and level settings on the other menu but just can't get any audio out?
I do get audio from the AUX I/O jack but not the line out?
Any ideas?
John/kc2qma

9393. Re: [orion565] LINE OUT jack problem on Orion II?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-21 16:07:15 UTC
From: Peter Frenning [OZ1PIF]
Topic: 9392 Message: 9393

Den 21-04-2013 17:05, kc2qma skrev:
> I decided the other day to use the line out jack on my Orion II but I get no audio from the line out? I checked the line out source and level settings on the other menu but just can't get any audio out?
> I do get audio from the AUX I/O jack but not the line out?
> Any ideas?
> John/kc2qma
>
5V DC on the pin, see
http://www.frenning.dk/OZ1PIF_HOMEPAGE/TenTec_OrionII.html for the solution!

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Women and cats will do as they **
** please, and men and dogs should **
** relax and get used to the idea. **
** -- Robert A. Heinlein **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239/ +45 2332 9464
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

9394. WTB Orion 1 or 2

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-22 01:09:10 UTC
From: AC2FC
Topic: 9394 Message: 9394

Hi,
I am looking for Orion 565 or 566 for parts or tech special.
My email is tarniowy@...

Thanks
Arek
AC2FC

9395. Re: LINE OUT jack problem on Orion II?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-22 14:53:50 UTC
From: kc2qma
Topic: 9392 Message: 9395

OK so I found something interesting today. I have a signalink USB connected to the AUX I/O jack and when I unplug it then the line out works? I thought it might be an impedance mismatch but it's not. I don't know if anyone else uses a Signalink USB but I would like to know if you have the same problem.

73/KC2QMA
John

--- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@...> wrote:
>
> Den 21-04-2013 17:05, kc2qma skrev:
> > I decided the other day to use the line out jack on my Orion II but I get no audio from the line out? I checked the line out source and level settings on the other menu but just can't get any audio out?
> > I do get audio from the AUX I/O jack but not the line out?
> > Any ideas?
> > John/kc2qma
> >
> 5V DC on the pin, see
> http://www.frenning.dk/OZ1PIF_HOMEPAGE/TenTec_OrionII.html for the solution!
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> **
> ** Women and cats will do as they **
> ** please, and men and dogs should **
> ** relax and get used to the idea. **
> ** -- Robert A. Heinlein **
> **
> email: peter(no-spam filler)@...
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239/ +45 2332 9464
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **
>

9396. Re: [orion565] Re: LINE OUT jack problem on Orion II?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-22 15:51:14 UTC
From: Peter Frenning [OZ1PIF]
Topic: 9392 Message: 9396

Den 22-04-2013 16:53, kc2qma skrev:
> OK so I found something interesting today. I have a signalink USB connected to the AUX I/O jack and when I unplug it then the line out works? I thought it might be an impedance mismatch but it's not. I don't know if anyone else uses a Signalink USB but I would like to know if you have the same problem.
>
> 73/KC2QMA
> John
>
> --- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@...> wrote:
>> Den 21-04-2013 17:05, kc2qma skrev:
>>> I decided the other day to use the line out jack on my Orion II but I get no audio from the line out? I checked the line out source and level settings on the other menu but just can't get any audio out?
>>> I do get audio from the AUX I/O jack but not the line out?
>>> Any ideas?
>>> John/kc2qma
>>>
>> 5V DC on the pin, see
>> http://www.frenning.dk/OZ1PIF_HOMEPAGE/TenTec_OrionII.html for the solution!
>>
>> --
>> Vy 73 de OZ1PIF/5Q2M, Peter
>
Same problem as described above, the isolation transformed goes into
saturation... put 470nF as a DC block on the Line-Out signal, and all be
well, trust me!

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** Women and cats will do as they **
** please, and men and dogs should **
** relax and get used to the idea. **
** -- Robert A. Heinlein **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239/ +45 2332 9464
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark

****

9398. Re: LINE OUT jack problem on Orion II?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-22 16:41:17 UTC
From: kc2qma
Topic: 9392 Message: 9398

OK Peter, I will look into the blocking cap. Thanks for the info.

73/KC2QMA
John

--- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@...> wrote:
>
> Den 22-04-2013 16:53, kc2qma skrev:
> > OK so I found something interesting today. I have a signalink USB connected to the AUX I/O jack and when I unplug it then the line out works? I thought it might be an impedance mismatch but it's not. I don't know if anyone else uses a Signalink USB but I would like to know if you have the same problem.
> >
> > 73/KC2QMA
> > John
> >
> > --- In orion565@yahoogroups.com, "Peter Frenning [OZ1PIF]" <peter@> wrote:
> >> Den 21-04-2013 17:05, kc2qma skrev:
> >>> I decided the other day to use the line out jack on my Orion II but I get no audio from the line out? I checked the line out source and level settings on the other menu but just can't get any audio out?
> >>> I do get audio from the AUX I/O jack but not the line out?
> >>> Any ideas?
> >>> John/kc2qma
> >>>
> >> 5V DC on the pin, see
> >> http://www.frenning.dk/OZ1PIF_HOMEPAGE/TenTec_OrionII.html for the solution!
> >>
> >> --
> >> Vy 73 de OZ1PIF/5Q2M, Peter
> >
> Same problem as described above, the isolation transformed goes into
> saturation... put 470nF as a DC block on the Line-Out signal, and all be
> well, trust me!
>
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>
> **
> ** Women and cats will do as they **
> ** please, and men and dogs should **
> ** relax and get used to the idea. **
> ** -- Robert A. Heinlein **
> **

> email: peter(no-spam filler)@frenning.dk
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239/ +45 2332 9464
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **
>

9399. Orion receive audio

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-24 15:04:40 UTC
From: ray.higgins25
Topic: 9399 Message: 9399

While working an Indian station -- Orion Q5 with SAF on FTdx 5000 unable to copy .

9400. Re: Orion receive audio

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-26 05:21:22 UTC
From: pa1ap
Topic: 9399 Message: 9400

Can you share more details on the band and signal conditions? Voice, cw or digital mode? Would be nice to understand the environment a bit more. Regards, Onno
--- In orion565@yahoogroups.com, "ray.higgins25" <rayhig@...> wrote:
>
> While working an Indian station -- Orion Q5 with SAF on FTdx 5000 unable to copy .
>

9401. Would like to purchase an Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-26 15:31:50 UTC
From: branton_thomas
Topic: 9401 Message: 9401

Good morning everyone,

Well I narrowed it down to the K3/100 and the Orion II. I thought I had bought a K3/100 but a close lightning strike a few days ago cooked a couple of major boards so the seller said he was going to fix and keep it. Maybe it was a sign!!

If you have a mint or near mint Orion II that needs a new home please contact me.

Thanks so much,

Tom

9402. Re: Orion receive audio

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-27 15:42:14 UTC
From: ray.higgins25
Topic: 9399 Message: 9402

Sure -- Conditions were very bad -- Station I was calling was VU2SWS on phone (15m) -- When I turned on SAF I was able to copy her with ease
with preamp on-- I was using the TT speaker & DX ENGINEERING HEX (the finest) -- FTdx 5000 was deaf (I read in their reflector that it has issues with weak signals). Hope this helps -- Ray

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Can you share more details on the band and signal conditions? Voice, cw or digital mode? Would be nice to understand the environment a bit more. Regards, Onno
> --- In orion565@yahoogroups.com, "ray.higgins25" <rayhig@> wrote:
> >
> > While working an Indian station -- Orion Q5 with SAF on FTdx 5000 unable to copy .
> >
>

9403. Applications for Reflector Membership

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-28 16:47:12 UTC
From: orion565-owner@yahoogroups.com
Topic: 9403 Message: 9403

We have received a number of membership applications which did not include the requested station call sign.

Although I have emailed those applicants to kindly forward their FCC or other authorized call sign, I have not received a reply.

If you have submitted a membership request and have not included your call sign, please contact me.

73 and Happy DXing,

Mike
W2AJI
Owner Orion 565/566 Reflector

9404. Re: [orion565] Applications for Reflector Membership

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-28 17:30:40 UTC
From: tnnyswy@...
Topic: 9403 Message: 9404

Should it be concluded then, that a Call Sign is mandatory for acceptance?

((((73)))) Milverton.

>_____
> From: "orion565-owner@yahoogroups.com" <orion565-owner@yahoogroups.com>
>To: orion565@yahoogroups.com
>Sent: Sunday, April 28, 2013 11:47 AM
>Subject: [orion565] Applications for Reflector Membership
>
>
>
>
>We have received a number of membership applications which did not include the requested station call sign.
>
>Although I have emailed those applicants to kindly forward their FCC or other authorized call sign, I have not received a reply.
>
>If you have submitted a membership request and have not included your call sign, please contact me.
>
>73 and Happy DXing,
>
>Mike
>W2AJI
>Owner Orion 565/566 Reflector
>
>
>
>
>

[Non-text portions of this message have been removed]

9405. Forum Description

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-28 17:45:21 UTC
From: orion565-owner@yahoogroups.com
Topic: 9405 Message: 9405

Description

This elite forum is for support, comments, and general feedback related to the Ten-Tec Orion and Orion II (models 565/566) FIRMWARE UPGRADEABLE ultra high-end HF ham radio transceiver. Comments on correctly mated accessories to the Orions are also welcome. Membership is restricted. You only need to supply your call sign for final approval.

73,

Mike
W2AJI
Owner Orion 565/566 Reflector

9406. Re: [orion565] Forum Description

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-28 18:28:37 UTC
From: catfishtwo@...
Topic: 9405 Message: 9406

That's funny I have been on the ten tec reflector for years , I did not know you needed a call to join,

tom
catfishtwo@... (mailto:catfishtwo@...)

In a message dated 4/28/2013 10:45:32 A.M. Pacific Daylight Time, orion565-owner@yahoogroups.com writes:

Description

This elite forum is for support, comments, and general feedback related to the Ten-Tec Orion and Orion II (models 565/566) FIRMWARE UPGRADEABLE ultra high-end HF ham radio transceiver. Comments on correctly mated accessories to the Orions are also welcome. Membership is restricted. You only need to supply your call sign for final approval.

73,

Mike
W2AJI
Owner Orion 565/566 Reflector

Yahoo! Groups Links

[Non-text portions of this message have been removed]

9407. Re: [orion565] Applications for Reflector Membership

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-28 18:41:23 UTC
From: Peter
Topic: 9403 Message: 9407

Does this include myself ve3etr
73
Thank you
Peter

Peter Rogers
Irritating everybody since 1944
VE3ETR VE3ZZV

On 2013-04-28, at 12:47, orion565-owner@yahoogroups.com wrote:

> We have received a number of membership applications which did not include the requested station call sign.
>
> Although I have emailed those applicants to kindly forward their FCC or other authorized call sign, I have not received a reply.
>
> If you have submitted a membership request and have not included your call sign, please contact me.
>
> 73 and Happy DXing,
>
> Mike
> W2AJI
> Owner Orion 565/566 Reflector
>
>

[Non-text portions of this message have been removed]

9408. Re: Applications for Reflector Membership

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-28 18:56:22 UTC
From: orion565-owner@yahoogroups.com
Topic: 9403 Message: 9408

Your call sign was issued by the RAC. Your call sign was provided in your membership request last December.

73.

Mike
W2AJI

--- In orion565@yahoogroups.com, Peter <petlin74@...> wrote:
>
> Does this include myself ve3etr
> 73
> Thank you
> Peter
>
> Peter Rogers
> Irritating everybody since 1944
> VE3ETR VE3ZZV
>
> On 2013-04-28, at 12:47, orion565-owner@yahoogroups.com wrote:
>
> > We have received a number of membership applications which did not include the requested station call sign.
> >
> > Although I have emailed those applicants to kindly forward their FCC or other authorized call sign, I have not received a reply.
> >
> > If you have submitted a membership request and have not included your call sign, please contact me.
> >
> > 73 and Happy DXing,
> >
> > Mike
> > W2AJI
> > Owner Orion 565/566 Reflector
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

9410. Re: Orion receive audio

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-30 13:22:32 UTC
From: ray.higgins25
Topic: 9399 Message: 9410

The Orion's receiver is very strong (I almost never use the the preamp) & is the best of any rig I've used (IC-7700,FTdx-5000 & TS-590). The way SAF works is that it increases signals fer SPECIFIC
freq's (around 300-700 hz) not the whole band . The fact that Ten Tec
is still upgrading the firmware on a rig that is 10 years old says a
a lot.

The reason fer SAF & why it is used on lower part of the receive audio
I'm not going to get in to . Remember when my FTdx5000 heard nothing the ORION pulled out weak signals. Not bad fer a 10 year old design !

Lets be positive; it is a GREAT rig & any upgrades are just that (to improve on an all ready state of the art transceiver).

Ray

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> I find the SAF often helpful on weak ssb signals. I believe the reason
> that it's helpful is mainly that the v3 Orion rx chain is somewhat lacking
> in overall gain capability and the +10dB extra gain of SAF is sometimes
> needed to hear very weak ssb signals. I don't ascribe it's "magic" to
> filtering but to gain. This might not be true for other users.
>
> 73, Barry N1EU
>
> On Sat, Apr 27, 2013 at 3:42 PM, ray.higgins25 <rayhig@...> wrote:
>
> > **
> >
> >
> > Sure -- Conditions were very bad -- Station I was calling was VU2SWS on
> > phone (15m) -- When I turned on SAF I was able to copy her with ease
> > with preamp on-- I was using the TT speaker & DX ENGINEERING HEX (the
> > finest) -- FTdx 5000 was deaf (I read in their reflector that it has issues
> > with weak signals). Hope this helps -- Ray
> >
> >
> > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > >
> > > Can you share more details on the band and signal conditions? Voice, cw
> > or digital mode? Would be nice to understand the environment a bit more.
> > Regards, Onno
> > > --- In orion565@yahoogroups.com, "ray.higgins25" <rayhig@> wrote:
> > > >
> > > > While working an Indian station -- Orion Q5 with SAF on FTdx 5000

> > unable to copy .
> > > >
> > >
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

9412. Re: [orion565] Re: Orion receive audio

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-30 14:10:50 UTC
From: K7FD
Topic: 9399 Message: 9412

I'm enjoying a new Kenwood TS-990S...but the Orion II receiver is equal and the SAF works better than the Kenwood's APF equivalent...

The O2 in my shack isn't going anywhere soon.

73 John K7FD

On Apr 30, 2013, at 6:22 AM, "ray.higgins25" <rayhig@...> wrote:

> The Orion's receiver is very strong (I almost never use the the preamp) & is the best of any rig I've used (IC-7700,FTdx-5000 & TS-590). The way SAF works is that it increases signals fer SPECIFIC
> freq's (around 300-700 hz) not the whole band . The fact that Ten Tec
> is still upgrading the firmware on a rig that is 10 years old says a
> a lot.
>
> The reason fer SAF & why it is used on lower part of the receive audio
> I'm not going to get in to . Remember when my FTdx5000 heard nothing the ORION pulled out weak signals. Not bad fer a 10 year old design !
>
> Lets be positive; it is a GREAT rig & any upgrades are just that (to improve on an all ready state of the art transceiver).
>
> Ray
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
> >
> > I find the SAF often helpful on weak ssb signals. I believe the reason
> > that it's helpful is mainly that the v3 Orion rx chain is somewhat lacking
> > in overall gain capability and the +10dB extra gain of SAF is sometimes
> > needed to hear very weak ssb signals. I don't ascribe it's "magic" to
> > filtering but to gain. This might not be true for other users.
> >
> > 73, Barry N1EU
> >
> > On Sat, Apr 27, 2013 at 3:42 PM, ray.higgins25 <rayhig@...> wrote:
> >
> > > **
> > >
> > >
> > > Sure -- Conditions were very bad -- Station I was calling was VU2SWS on
> > > phone (15m) -- When I turned on SAF I was able to copy her with ease
> > > with preamp on-- I was using the TT speaker & DX ENGINEERING HEX (the
> > > finest) -- FTdx 5000 was deaf (I read in their reflector that it has issues
> > > with weak signals). Hope this helps -- Ray
> > >

> > >
> > > --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> > > >
> > > > Can you share more details on the band and signal conditions? Voice, cw
> > > or digital mode? Would be nice to understand the environment a bit more.
> > > Regards, Onno
> > > > --- In orion565@yahoogroups.com, "ray.higgins25" <rayhig@> wrote:
> > > > >
> > > > > While working an Indian station -- Orion Q5 with SAF on FTdx 5000
> > > unable to copy .
> > > > > >
> > > > >
> > > >
> > > >
> > > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
>
>

[Non-text portions of this message have been removed]

9413. Telling me to I SHOULD always keep the PREAMP on all time

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-30 20:05:22 UTC
From: ray.higgins25
Topic: 9413 Message: 9413

Actually I DO KEEP the PREAMP & SAF on fer VERY WEAK STATIONS .RE my posts 9400 & 9402 . I guess the person who told me how I SHOULD use my ORION (I've had since 2014) neglected to read them; also why is the S-meter calibrated WITH THE PREAMP OFF and why is there ATTENUATOR ??

I'll say it again fer WEAK STATIONS I ALWAYS USE THE PREAMP & SAF. Get it.

9414. RE: [orion565] Telling me to I SHOULD always keep the PREAMP on all time

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-30 21:01:24 UTC
From: John T. Fleming
Topic: 9413 Message: 9414

Ray,

Which Orion do you have? The Orion III or IV? I am looking forward to 2014 and I will have to decide what to do with my Orion I! :>}

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of ray.higgins25
Sent: Tuesday, April 30, 2013 4:05 PM
To: orion565@yahoogroups.com
Subject: [orion565] Telling me to I SHOULD always keep the PREAMP on all time

Actually I DO KEEP the PREAMP & SAF on fer VERY WEAK STATIONS .RE my posts 9400 & 9402 . I guess the person who told me how I SHOULD use my ORION (I've had since 2014) neglected to read them; also why is the S-meter calibrated WITH THE PREAMP OFF and why is there ATTENUATOR ??

I'll say it again fer WEAK STATIONS I ALWAYS USE THE PREAMP & SAF. Get it.

[Non-text portions of this message have been removed]

9415. Re: [orion565] Telling me to I SHOULD always keep the PREAMP on all time

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-30 21:24:30 UTC
From: Ronnie Hull
Topic: 9413 Message: 9415

I only use the preamp at 17M and above and my rf gain is usually set at 85% max and I hear what I want to hear!

Sent from Ronnie's IPhone

On Apr 30, 2013, at 4:01 PM, "John T. Fleming" <john@...> wrote:

> Ray,
>
> Which Orion do you have? The Orion III or IV? I am looking forward to 2014
> and I will have to decide what to do with my Orion I! :>}
>
> 73,
>
> John
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of ray.higgins25
> Sent: Tuesday, April 30, 2013 4:05 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Telling me to I SHOULD always keep the PREAMP on all
> time
>
> Actually I DO KEEP the PREAMP & SAF on fer VERY WEAK STATIONS .RE my
> posts 9400 & 9402 . I guess the person who told me how I SHOULD use
> my ORION (I've had since 2014) neglected to read them; also why is the
> S-meter calibrated WITH THE PREAMP OFF and why is there ATTENUATOR ??
>
> I'll say it again fer WEAK STATIONS I ALWAYS USE THE PREAMP & SAF. Get it.
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

9416. RE: [orion565] Telling me to I SHOULD always keep the PREAMP on all time

Yahoo group: orion565 (2009 — 2013)
Date: 2013-04-30 22:18:41 UTC
From: wolfmanjack@...
Topic: 9413 Message: 9416

2014? Back to the future...

On Tue, Apr 30, 2013 at 1:05 PM, ray.higgins25 wrote:

Actually I DO KEEP the PREAMP & SAF on fer VERY WEAK STATIONS .RE my
posts 9400 & 9402 . I guess the person who told me how I SHOULD use
my ORION (I've had since 2014) neglected to read them; also why is the
S-meter calibrated WITH THE PREAMP OFF and why is there ATTENUATOR ??

I'll say it again fer WEAK STATIONS I ALWAYS USE THE PREAMP & SAF. Get
it.

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

9417. Re: Telling me to I SHOULD always keep the PREAMP on all time

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-01 10:23:31 UTC
From: pa1ap
Topic: 9413 Message: 9417

My view & perception is that the usage of preamp makes sense for the higher bands when band noise is acceptable low. I don't think it helps to amplify band noise more than internal noise contribution.

SAF works on AF level and works like a passband af filter. Indeed with weaker stations it helps to lift the voice out of the noise especially when the station has a flat or shallow audio presence, for example a female voice is hard to detect without SAF and with SAF you can emphasize the lower frequencies a bit more and hence improve audio presence. The RX equalizer could help as well however its either low or high pass AF filter and it would emphasize more audio spectrum than needed... I guess the SAF 300Hz passband is just enough to raise audio presence without raising all other noise.

On high AF, low RF OR normal AF, normal RF and such like; I have not found any evidence the signal to noise ratio changes, nor that audio presence changes, despite all testing I have conducted. Audio presence might sound different because there is no AGC action but that's all. I am not buying into the ADC range statements since the signal to noise ratio isn't changing based on deactivating AGC while the opposite is actually true for audio presence. In some previous firmware versions the AGC did cause distortion and hence it was worthwhile avoiding AGC. Not anymore.

I recently changed my antenna setup and I can now copy VK on 20m almost every morning. Pretty cool and it also gives me the chance to tinker with the settings for weak(er) stations. So far all I need to do is reduce band noise and at times apply SAF to copy the conversations depending on audio presence. Stations sinking into the band noise do not get better when I switch on the preamp nor does it get better when turning up AF and turning down RF. However it is certainly true that stations which are stronger than band noise will sound better when ensuring the AGC does not normalize the band noise. Either through just RF gain control or AF / RF gain control provide same results at my end.

Anyway, my perception and just my perception. Reality might be different :-)

best regards, Onno

p.s. just enjoy the Orion and be happy you can choose how to operate your rig. RF and audio tinkering allowed :-)

--- In orion565@yahoogroups.com, "ray.higgins25" <rayhig@...> wrote:
>
> Actually I DO KEEP the PREAMP & SAF on fer VERY WEAK STATIONS .RE my
> posts 9400 & 9402 . I guess the person who told me how I SHOULD use
> my ORION (I've had since 2014) neglected to read them; also why is the
> S-meter calibrated WITH THE PREAMP OFF and why is there ATTENUATOR ??
>
> I'll say it again fer WEAK STATIONS I ALWAYS USE THE PREAMP & SAF. Get it.
>

9419. Onno Post

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-01 14:27:23 UTC
From: ray.higgins25
Topic: 9419 Message: 9419

Onno nice post! -- I agree with U 100% -- UR info on SAF hit the nail in the head -- the science is called pyscoacustics (how the ear hears).

U said it all & said it well -- I'm off to enjoy my Orion .

Cheers

9420. Re: Telling me to I SHOULD always keep the PREAMP on all time

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-01 19:04:45 UTC
From: ray.higgins25
Topic: 9413 Message: 9420

Actuall it was Barry N1EU that told ME that I SHOULD keep my PREAMP on all the time after my post 9410. It was his post of 9411 & fer some reason has vanished into thin air . Hmmmm .

Now I understand the confusion, with out "9411" all my posts make no sense .

Sri everybody -- I still don't understand why 9411 was pulled .

I have never told anyone what they SHOULD when operating their ORION's

Tnx Ray

--- In orion565@yahoogroups.com, "John T. Fleming" <john@...> wrote:
>
> Ray,
>
>
>
> Which Orion do you have? The Orion III or IV? I am looking forward to 2014
> and I will have to decide what to do with my Orion I! :>}
>
>
>
> 73,
>
> John
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of ray.higgins25
> Sent: Tuesday, April 30, 2013 4:05 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Telling me to I SHOULD always keep the PREAMP on all
> time
>
>
>
>
>
> Actually I DO KEEP the PREAMP & SAF on fer VERY WEAK STATIONS .RE my
> posts 9400 & 9402 . I guess the person who told me how I SHOULD use
> my ORION (I've had since 2014) neglected to read them; also why is the
> S-meter calibrated WITH THE PREAMP OFF and why is there ATTENUATOR ??
>
> I'll say it again fer WEAK STATIONS I ALWAYS USE THE PREAMP & SAF. Get it.

>
>
>
> [Non-text portions of this message have been removed]
>

9421. Orion 565 for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-02 15:24:49 UTC
From: franklincloud79
Topic: 1862 Message: 9421

I have a nice Orion 565 for sale with optional 400HZ IRC CW filter,
no tuner. 1650 shipped by Fed EX to lower 48. Comes with power cord and original manual, TT box with inserts.

Frank K4RVN

9422. Ten Tec's 9mhz IF Mod

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-04 01:59:41 UTC
From: toby423@...
Topic: 9422 Message: 9422

I am contemplating having Ten Tec do their version of the IF mod on an original Orion. This, of course, is for the purpose of installing a panadapter of some kind. I don't have the new sub-receiver.

Has anyone had Ten Tec do this mod, and how did it work out for you?

I understand the signal is picked up after the DSP, and that a buffer amp would be required externally to the Orion.

I know about the mod which involves istalling an amp buffer inside the rig, but not sure where the signal is picked up from for this version of the mod.

Any help or comment would be appreciated.

Toby W4CAK

9423. A9 Board..... summary of fixes and mods.....

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-05 20:11:50 UTC
From: WB2RHM
Topic: 9423 Message: 9423

All,

My 565 (s/n 10C10284) has now begun to show some of the 'classic' documented signs of A9 (81936) board degradation.... ie the replacement screen having a 'washed out' (flickering, almost black on white) bottom 2/3 of the blue on white display area along with random full-screen flickering horizontal white lines when cold, for the first 1/4 to 1/2 hour+ after initial power-on. After warm-up things seem normal.

1) I have read about replacing the 3 - 470uf/35v caps and the 3 - 100uf/35v caps with Low ESR, higher DCWV (50V) replacements..... 2) I also see references to TT having upgrading the A9 Board somewhere over the years.....

?Have there been any TT changes from the original TT circuit design? (Not just component tolerance vallues, but actual circuit diagram/wiring changes over the past 10 years for the A9?)

?While I see notes about upgrading/replacing the 470uf/100uf caps.... what about the 10uf caps?

?OR how about a 'wholesale' replacement of the A9 being the most prudent course?

Thanks, 73,

Ben - WB2RHM

9424. Re: [orion565] A9 Board..... summary of fixes and mods.....

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-05 21:12:00 UTC
From: Sam W Jacobs CET
Topic: 9423 Message: 9424

Ben,

I don't know how much an A9 board would cost from TT, but whatever the cost, replacing the (3) 470uF caps has got to be the most inexpensive way to go. As far as changing any of the other caps I would have to say that they haven't failed nor is there a record of them failing.

Replacing the caps is an easy job and only takes a few minutes from start to finish.

There hasn't been any mods to that board that I know of with the exception of TT using higher voltage caps in the newer released versions (and I'm not positive about that).

73 !

Sam
K3SAM

From: WB2RHM <wb2rhm@...>
To: orion565@yahoogroups.com
Sent: Sunday, May 5, 2013 4:11 PM
Subject: [orion565] A9 Board..... summary of fixes and mods.....

All,

My 565 (s/n 10C10284) has now begun to show some of the 'classic' documented signs of A9 (81936) board degradation.... ie the replacement screen having a 'washed out' (flickering, almost black on white) bottom 2/3 of the blue on white display area along with random full-screen flickering horizontal white lines when cold, for the first 1/4 to 1/2 hour+ after initial power-on. After warm-up things seem normal.

1) I have read about replacing the 3 - 470uf/35v caps and the 3 - 100uf/35v caps with Low ESR, higher DCWV (50V) replacements..... 2) I also see references to TT having upgrading the A9 Board somewhere over the years.....

?Have there been any TT changes from the original TT circuit design? (Not just component tolerance vallues, but actual circuit diagram/wiring changes over the past 10 years for the A9?)

?While I see notes about upgrading/replacing the 470uf/100uf caps.... what about the 10uf caps?

?OR how about a 'wholesale' replacement of the A9 being the most prudent course?

Thanks, 73,

Ben - WB2RHM

[Non-text portions of this message have been removed]

9425. Re: A9 Board..... summary of fixes and mods.....

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-06 07:21:49 UTC
From: pa1ap
Topic: 9423 Message: 9425

You might want to check message 9323. This in addition to Sams response.

When facing cold start issues the smaller capacitors might be faulty. I have several cases where replacing the smaller ones fixed the cold start problem. Since you are taking out the dc -dc board its a small effort to replace them too.

One warning: before taking out the capacitors make a mark on the pcb to indicate polarity.... this because not all capacitors will be mounted with negative to ground.

Best regards, Onno

--- In orion565@yahoogroups.com, "WB2RHM" <wb2rhm@...> wrote:
>
> All,
>
> My 565 (s/n 10C10284) has now begun to show some of the 'classic' documented signs of A9 (81936) board degradation.... ie the replacement screen having a 'washed out' (flickering, almost black on white) bottom 2/3 of the blue on white display area along with random full-screen flickering horizontal white lines when cold, for the first 1/4 to 1/2 hour+ after initial power-on. After warm-up things seem normal.
>
> 1) I have read about replacing the 3 - 470uf/35v caps and the 3 - 100uf/35v caps with Low ESR, higher DCWV (50V) replacements..... 2) I also see references to TT having upgrading the A9 Board somewhere over the years.....
>
> ?Have there been any TT changes from the original TT circuit design? (Not just component tolerance vallues, but actual circuit diagram/wiring changes over the past 10 years for the A9?)
>
> ?While I see notes about upgrading/replacing the 470uf/100uf caps.... what about the 10uf caps?
>
> ?OR how about a 'wholesale' replacement of the A9 being the most prudent course?
>
> Thanks, 73,
>
> Ben - WB2RHM
>

9426. Re: A9 Board..... summary of fixes and mods.....

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-06 14:26:57 UTC
From: ve7tk
Topic: 9423 Message: 9426

Hi Ben.

There are many issues with the A9 and I tracked down an additional cold-start problem and described it in Message 8462. This involved some of the smaller caps.

It took me several minutes to get the display up to full density and this solved the problem.

73, Rick
VE7TK

--- In orion565@yahoogroups.com, "WB2RHM" <wb2rhm@...> wrote:
>
> All,
>
> My 565 (s/n 10C10284) has now begun to show some of the 'classic' documented signs of A9 (81936) board degradation.... ie the replacement screen having a 'washed out' (flickering, almost black on white) bottom 2/3 of the blue on white display area along with random full-screen flickering horizontal white lines when cold, for the first 1/4 to 1/2 hour+ after initial power-on. After warm-up things seem normal.
>
> 1) I have read about replacing the 3 - 470uf/35v caps and the 3 - 100uf/35v caps with Low ESR, higher DCWV (50V) replacements..... 2) I also see references to TT having upgrading the A9 Board somewhere over the years.....
>
> ?Have there been any TT changes from the original TT circuit design? (Not just component tolerance vallues, but actual circuit diagram/wiring changes over the past 10 years for the A9?)
>
> ?While I see notes about upgrading/replacing the 470uf/100uf caps.... what about the 10uf caps?
>
> ?OR how about a 'wholesale' replacement of the A9 being the most prudent course?
>
> Thanks, 73,
>
> Ben - WB2RHM
>

9427. Re: A9 Board..... summary of fixes and mods.....

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-07 14:39:56 UTC
From: hglent
Topic: 9423 Message: 9427

Ben and Group,
I paid $65.00 Plus S&H for a new A9 Board from Ten Tec. I saved the shipping and handling by driving to Ten Tec and picking the board up. Still had to pay the Tennessee sales tax (highest in the nation) plus the gas. I could have bought the parts from Digi-Key, paid S&H and the Tennessee tax. I wouldn't have seen the parts for a week.

Next time I order parts I will pick up some caps and fix this old board and offer it to the group.

All in all, the drive to Ten Tec is a pleasant one. I visited with the folks and stopped on the way home for a home made ice-cream. Kind of a wash!

Gud luk es 73 de WA0BAG

Paul K.
WA0BAG

--- In orion565@yahoogroups.com, "WB2RHM" <wb2rhm@...> wrote:
>
> All,
>
> My 565 (s/n 10C10284) has now begun to show some of the 'classic' documented signs of A9 (81936) board degradation.... ie the replacement screen having a 'washed out' (flickering, almost black on white) bottom 2/3 of the blue on white display area along with random full-screen flickering horizontal white lines when cold, for the first 1/4 to 1/2 hour+ after initial power-on. After warm-up things seem normal.
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> 1) I have read about replacing the 3 - 470uf/35v caps and the 3 - 100uf/35v caps with Low ESR, higher DCWV (50V) replacements..... 2) I also see references to TT having upgrading the A9 Board somewhere over the years.....
>
> ?Have there been any TT changes from the original TT circuit design? (Not just component tolerance vallues, but actual circuit diagram/wiring changes over the past 10 years for the A9?)
>
> ?While I see notes about upgrading/replacing the 470uf/100uf caps.... what about the 10uf caps?
>
> ?OR how about a 'wholesale' replacement of the A9 being the most prudent course?
>
> Thanks, 73,
>
> Ben - WB2RHM
>

9428. Re: A9 Board..... summary of fixes and mods.....

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-07 19:39:42 UTC
From: WB2RHM
Topic: 9423 Message: 9428

Sam, Rick, Onno, Paul, lurkers,

I have removed all of the electrolytic caps from the A9 board. After reading and re-reading the spec sheet of the LT1054, and looking at the schematic of the A9 board, I ordered 50V extra low ESR caps from Mouser to replace all electrolytics.

Also after reading the LT1054 spec, I am going to use 22uf 50V low ESR caps to replace all three of the 10uf 35V electrolytic caps on A9. AND I am going to change the 100uf 35V C2 electrolytic to a 220uf 50V low ESR electrolytic (to maintain the 1/10 ratio for C2/C4 as mentioned in the spec, and also match up the values of C3 and C4 to 22uf.)

The parts should arrive from Mouser on Friday, and I hope to get them installed in time for the VOLTA RTTY contest this weekend.

Thank you for all your advice, I will let you know what occurs sometime early next week, after the contest.

73,

Ben - WB2RHM

--- In orion565@yahoogroups.com, "hglent" <hglent@...> wrote:
>
>
>
> Ben and Group,
> I paid $65.00 Plus S&H for a new A9 Board from Ten Tec. I saved the shipping and handling by driving to Ten Tec and picking the board up. Still had to pay the Tennessee sales tax (highest in the nation) plus the gas. I could have bought the parts from Digi-Key, paid S&H and the Tennessee tax. I wouldn't have seen the parts for a week.
>
> Next time I order parts I will pick up some caps and fix this old board and offer it to the group.
>
> All in all, the drive to Ten Tec is a pleasant one. I visited with the folks and stopped on the way home for a home made ice-cream. Kind of a wash!
>
> Gud luk es 73 de WA0BAG
>
> Paul K.
> WA0BAG
>
> --- In orion565@yahoogroups.com, "WB2RHM" <wb2rhm@> wrote:
> >
> > All,
> >
> > My 565 (s/n 10C10284) has now begun to show some of the 'classic' documented signs of

A9 (81936) board degradation.... ie the replacement screen having a 'washed out' (flickering, almost black on white) bottom 2/3 of the blue on white display area along with random full-screen flickering horizontal white lines when cold, for the first 1/4 to 1/2 hour+ after initial power-on. After warm-up things seem normal.
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> > 1) I have read about replacing the 3 - 470uf/35v caps and the 3 - 100uf/35v caps with Low ESR, higher DCWV (50V) replacements..... 2) I also see references to TT having upgrading the A9 Board somewhere over the years.....
> >
> > ?Have there been any TT changes from the original TT circuit design? (Not just component tolerance vallues, but actual circuit diagram/wiring changes over the past 10 years for the A9?)
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> > ?While I see notes about upgrading/replacing the 470uf/100uf caps.... what about the 10uf caps?
> >
> > ?OR how about a 'wholesale' replacement of the A9 being the most prudent course?
> >
> > Thanks, 73,
> >
> > Ben - WB2RHM
> >
>

9429. Re: A9 Board..... summary of fixes and mods.....

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-07 20:30:02 UTC
From: pa1ap
Topic: 9423 Message: 9429

Interesting changes Ben. Please let us know how it goes. I suggest you meassure the voltages, especially the negative lcd voltage, prior to connecting it to the lcd. Not sure if the capacitor change influences the output voltage somehow. Best regards, Onno

--- In orion565@yahoogroups.com, "WB2RHM" <wb2rhm@...> wrote:
>
> Sam, Rick, Onno, Paul, lurkers,
>
> I have removed all of the electrolytic caps from the A9 board. After reading and re-reading the spec sheet of the LT1054, and looking at the schematic of the A9 board, I ordered 50V extra low ESR caps from Mouser to replace all electrolytics.
>
> Also after reading the LT1054 spec, I am going to use 22uf 50V low ESR caps to replace all three of the 10uf 35V electrolytic caps on A9. AND I am going to change the 100uf 35V C2 electrolytic to a 220uf 50V low ESR electrolytic (to maintain the 1/10 ratio for C2/C4 as mentioned in the spec, and also match up the values of C3 and C4 to 22uf.)
>
> The parts should arrive from Mouser on Friday, and I hope to get them installed in time for the VOLTA RTTY contest this weekend.
>
> Thank you for all your advice, I will let you know what occurs sometime early next week, after the contest.
>
> 73,
>
> Ben - WB2RHM
>
> --- In orion565@yahoogroups.com, "hglent" <hglent@> wrote:
> >
> >
> >
> > Ben and Group,
> > I paid $65.00 Plus S&H for a new A9 Board from Ten Tec. I saved the shipping and handling by driving to Ten Tec and picking the board up. Still had to pay the Tennessee sales tax (highest in the nation) plus the gas. I could have bought the parts from Digi-Key, paid S&H and the Tennessee tax. I wouldn't have seen the parts for a week.
> >
> > Next time I order parts I will pick up some caps and fix this old board and offer it to the group.
> >
> > All in all, the drive to Ten Tec is a pleasant one. I visited with the folks and stopped on the way home for a home made ice-cream. Kind of a wash!
> >
> > Gud luk es 73 de WA0BAG
> >

> > Paul K.
> > WA0BAG
> >
> > --- In orion565@yahoogroups.com, "WB2RHM" <wb2rhm@> wrote:
> > >
> > > All,
> > >
> > > My 565 (s/n 10C10284) has now begun to show some of the 'classic' documented signs of A9 (81936) board degradation.... ie the replacement screen having a 'washed out' (flickering, almost black on white) bottom 2/3 of the blue on white display area along with random full-screen flickering horizontal white lines when cold, for the first 1/4 to 1/2 hour+ after initial power-on. After warm-up things seem normal.
> > >
> > > 1) I have read about replacing the 3 - 470uf/35v caps and the 3 - 100uf/35v caps with Low ESR, higher DCWV (50V) replacements..... 2) I also see references to TT having upgrading the A9 Board somewhere over the years.....
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> > > ?Have there been any TT changes from the original TT circuit design? (Not just component tolerance vallues, but actual circuit diagram/wiring changes over the past 10 years for the A9?)
> > >
> > > ?While I see notes about upgrading/replacing the 470uf/100uf caps.... what about the 10uf caps?
> > >
> > > ?OR how about a 'wholesale' replacement of the A9 being the most prudent course?
> > >
> > > Thanks, 73,
> > >
> > > Ben - WB2RHM
> > >
> >
>

9430. Re: A9 Board..... summary of fixes and mods.....

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-07 20:31:57 UTC
From: pa1ap
Topic: 9423 Message: 9430

Interesting changes Ben. Please let us know how it goes. I suggest you meassure the voltages, especially the negative lcd voltage, prior to connecting it to the lcd. Not sure if the capacitor change influences the output voltage somehow. Best regards, Onno

--- In orion565@yahoogroups.com, "WB2RHM" <wb2rhm@...> wrote:
>
> Sam, Rick, Onno, Paul, lurkers,
>
> I have removed all of the electrolytic caps from the A9 board. After reading and re-reading the spec sheet of the LT1054, and looking at the schematic of the A9 board, I ordered 50V extra low ESR caps from Mouser to replace all electrolytics.
>
> Also after reading the LT1054 spec, I am going to use 22uf 50V low ESR caps to replace all three of the 10uf 35V electrolytic caps on A9. AND I am going to change the 100uf 35V C2 electrolytic to a 220uf 50V low ESR electrolytic (to maintain the 1/10 ratio for C2/C4 as mentioned in the spec, and also match up the values of C3 and C4 to 22uf.)
>
> The parts should arrive from Mouser on Friday, and I hope to get them installed in time for the VOLTA RTTY contest this weekend.
>
> Thank you for all your advice, I will let you know what occurs sometime early next week, after the contest.
>
> 73,
>
> Ben - WB2RHM
>
> --- In orion565@yahoogroups.com, "hglent" <hglent@> wrote:
> >
> >
> >
> > Ben and Group,
> > I paid $65.00 Plus S&H for a new A9 Board from Ten Tec. I saved the shipping and handling by driving to Ten Tec and picking the board up. Still had to pay the Tennessee sales tax (highest in the nation) plus the gas. I could have bought the parts from Digi-Key, paid S&H and the Tennessee tax. I wouldn't have seen the parts for a week.
> >
> > Next time I order parts I will pick up some caps and fix this old board and offer it to the group.
> >
> > All in all, the drive to Ten Tec is a pleasant one. I visited with the folks and stopped on the way home for a home made ice-cream. Kind of a wash!
> >
> > Gud luk es 73 de WA0BAG
> >

> > Paul K.
> > WA0BAG
> >
> > --- In orion565@yahoogroups.com, "WB2RHM" <wb2rhm@> wrote:
> > >
> > > All,
> > >
> > > My 565 (s/n 10C10284) has now begun to show some of the 'classic' documented signs of A9 (81936) board degradation.... ie the replacement screen having a 'washed out' (flickering, almost black on white) bottom 2/3 of the blue on white display area along with random full-screen flickering horizontal white lines when cold, for the first 1/4 to 1/2 hour+ after initial power-on. After warm-up things seem normal.
> > >
> > > 1) I have read about replacing the 3 - 470uf/35v caps and the 3 - 100uf/35v caps with Low ESR, higher DCWV (50V) replacements..... 2) I also see references to TT having upgrading the A9 Board somewhere over the years.....
> > >
> > > ?Have there been any TT changes from the original TT circuit design? (Not just component tolerance vallues, but actual circuit diagram/wiring changes over the past 10 years for the A9?)
> > >
> > > ?While I see notes about upgrading/replacing the 470uf/100uf caps.... what about the 10uf caps?
> > >
> > > ?OR how about a 'wholesale' replacement of the A9 being the most prudent course?
> > >
> > > Thanks, 73,
> > >
> > > Ben - WB2RHM
> > >
> >
>

9431. Sub receiver, VFO B

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-07 22:27:17 UTC
From: donkn5i
Topic: 9431 Message: 9431

A couple of weeks after I did the latest software upgrade I discovered my Sub receiver, VFO B no longer works. I downloaded and reinstalled and same thing. Anyone else have any suggestions. I only get static when moving the VFO V knob. Strongest signal on the scope only gets white noise. Don't hardly ever use VFO B except for split and ocasional WWV. Wonder how much it will cost to fix this?
73 Donald - W5DAM

9432. RE: [orion565] Sub receiver, VFO B

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-07 22:59:14 UTC
From: John Hudson
Topic: 9431 Message: 9432

Have you done the reboots Don? I've had some funny things happen too in the past just not currently

Is it no audio in SPLIT or just none in simplex?

If no audio in split make sure your VFO A & VFO B buttons are lit in the right order

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of donkn5i
Sent: Tuesday, May 07, 2013 5:27 PM
To: orion565@yahoogroups.com
Subject: [orion565] Sub receiver, VFO B

A couple of weeks after I did the latest software upgrade I discovered my Sub receiver, VFO B no longer works. I downloaded and reinstalled and same thing. Anyone else have any suggestions. I only get static when moving the VFO V knob. Strongest signal on the scope only gets white noise. Don't hardly ever use VFO B except for split and ocasional WWV. Wonder how much it will cost to fix this?
73 Donald - W5DAM

[Non-text portions of this message have been removed]

9433. RE: [orion565] Sub receiver, VFO B

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-07 23:17:45 UTC
From: John T. Fleming
Topic: 9431 Message: 9433

Donald,

Did you by any chance select the 466 receiver if I remember the number correctly? Do a master reset and select the correct option. I seem to remember it as a yes/no option. If it is the original sub receiver, the answer would be "no."

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of John Hudson
Sent: Tuesday, May 07, 2013 6:59 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Sub receiver, VFO B

Have you done the reboots Don? I've had some funny things happen too in the past just not currently

Is it no audio in SPLIT or just none in simplex?

If no audio in split make sure your VFO A & VFO B buttons are lit in the right order

John

KO4XJ

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of donkn5i
Sent: Tuesday, May 07, 2013 5:27 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: [orion565] Sub receiver, VFO B

A couple of weeks after I did the latest software upgrade I discovered my Sub receiver, VFO B no longer works. I downloaded and reinstalled and same thing. Anyone else have any suggestions. I only get static when moving the VFO V knob. Strongest signal on the scope only gets white noise. Don't hardly ever use VFO B except for split and ocasional WWV. Wonder how much it will cost to fix this?
73 Donald - W5DAM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9434. Re: [orion565] Sub receiver, VFO B

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-07 23:32:23 UTC
From: Luther Phillips
Topic: 9431 Message: 9434

Even if you have already performed them, try doing both the RAM CLEAR and MASTER RESET procedures. Do the RAM CLEAR first, then immediately do the MASTER RESET. You will loose any custom menu settings, but sometimes the procedures will bring the subreceiver back to life. I've had the exact same issue with both the Orion and Orion 2; doing both reset procedures fixed them. I also started recording my menu settings on paper so I could get them back to where they were without too much fuss.

Good Luck!

73,
Luther N4UW

----- Original Message -----
From: "donkn5i" <donkn5i@...>
To: <orion565@yahoogroups.com>
Sent: Tuesday, May 07, 2013 6:27 PM
Subject: [orion565] Sub receiver, VFO B

>A couple of weeks after I did the latest software upgrade I discovered my
>Sub receiver, VFO B no longer works. I downloaded and reinstalled and same
>thing. Anyone else have any suggestions. I only get static when moving the
>VFO V knob. Strongest signal on the scope only gets white noise. Don't
>hardly ever use VFO B except for split and ocasional WWV. Wonder how much
>it will cost to fix this?
> 73 Donald - W5DAM
>
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>
> Yahoo! Groups Links
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9435. Re: Sub receiver, VFO B

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-08 14:35:41 UTC
From: donkn5i
Topic: 9431 Message: 9435

No Audio period. Just white noise. However transmit is ok.

--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
>
> Have you done the reboots Don? I've had some funny things happen too in the
> past just not currently
>
>
>
> Is it no audio in SPLIT or just none in simplex?
>
>
>
> If no audio in split make sure your VFO A & VFO B buttons are lit in the
> right order
>
>
>
> John
>
> KO4XJ
>
>
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of donkn5i
> Sent: Tuesday, May 07, 2013 5:27 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Sub receiver, VFO B
>
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> A couple of weeks after I did the latest software upgrade I discovered my
> Sub receiver, VFO B no longer works. I downloaded and reinstalled and same
> thing. Anyone else have any suggestions. I only get static when moving the
> VFO V knob. Strongest signal on the scope only gets white noise. Don't
> hardly ever use VFO B except for split and ocasional WWV. Wonder how much it
> will cost to fix this?
> 73 Donald - W5DAM
>
>

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>
> [Non-text portions of this message have been removed]
>

9436. Re: Sub receiver, VFO B

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-08 14:38:10 UTC
From: donkn5i
Topic: 9431 Message: 9436

I haven't done the master reboot. I will try that.

--- In orion565@yahoogroups.com, "John T. Fleming" <john@...> wrote:
>
> Donald,
>
>
>
> Did you by any chance select the 466 receiver if I remember the number
> correctly? Do a master reset and select the correct option. I seem to
> remember it as a yes/no option. If it is the original sub receiver, the
> answer would be "no."
>
>
>
> 73,
>
> John
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of John Hudson
> Sent: Tuesday, May 07, 2013 6:59 PM
> To: orion565@yahoogroups.com
> Subject: RE: [orion565] Sub receiver, VFO B
>
>
>
>
>
>
> Have you done the reboots Don? I've had some funny things happen too in the
> past just not currently
>
> Is it no audio in SPLIT or just none in simplex?
>
> If no audio in split make sure your VFO A & VFO B buttons are lit in the
> right order
>
> John
>
> KO4XJ
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On

> Behalf
> Of donkn5i
> Sent: Tuesday, May 07, 2013 5:27 PM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] Sub receiver, VFO B
>
> A couple of weeks after I did the latest software upgrade I discovered my
> Sub receiver, VFO B no longer works. I downloaded and reinstalled and same
> thing. Anyone else have any suggestions. I only get static when moving the
> VFO V knob. Strongest signal on the scope only gets white noise. Don't
> hardly ever use VFO B except for split and ocasional WWV. Wonder how much it
> will cost to fix this?
> 73 Donald - W5DAM
>
> [Non-text portions of this message have been removed]
>
>
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>
>
> [Non-text portions of this message have been removed]
>

9437. Re: Sub receiver, VFO B

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-08 15:41:07 UTC
From: donkn5i
Topic: 9431 Message: 9437

Got it fixed. Had to say no to 566 and that fixed the problem. Thanks to everyone. 73
Donald - W5DAM

--- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
>
> Have you done the reboots Don? I've had some funny things happen too in the
> past just not currently
>
>
>
> Is it no audio in SPLIT or just none in simplex?
>
>
>
> If no audio in split make sure your VFO A & VFO B buttons are lit in the
> right order
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>
>
> John
>
> KO4XJ
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>
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of donkn5i
> Sent: Tuesday, May 07, 2013 5:27 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Sub receiver, VFO B
>
>
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> A couple of weeks after I did the latest software upgrade I discovered my
> Sub receiver, VFO B no longer works. I downloaded and reinstalled and same
> thing. Anyone else have any suggestions. I only get static when moving the
> VFO V knob. Strongest signal on the scope only gets white noise. Don't
> hardly ever use VFO B except for split and ocasional WWV. Wonder how much it
> will cost to fix this?
> 73 Donald - W5DAM
>

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>
> [Non-text portions of this message have been removed]
>

9438. Re: [orion565] Re: Sub receiver, VFO B

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-08 16:10:23 UTC
From: Jerry Rogers
Topic: 9431 Message: 9438

I'm confused! Does you Orion II have the new sub receiver? Also, where did you say no to the 566?

Jerry, ki4ps

On May 8, 2013, at 11:41 AM, "donkn5i" <donkn5i@...> wrote:

> Got it fixed. Had to say no to 566 and that fixed the problem. Thanks to everyone. 73 Donald - W5DAM
>
> --- In orion565@yahoogroups.com, "John Hudson" <jd_hudson@...> wrote:
> >
> > Have you done the reboots Don? I've had some funny things happen too in the
> > past just not currently
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> > Is it no audio in SPLIT or just none in simplex?
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> >
> > John
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> > From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> > Of donkn5i
> > Sent: Tuesday, May 07, 2013 5:27 PM
> > To: orion565@yahoogroups.com
> > Subject: [orion565] Sub receiver, VFO B
> >
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> > A couple of weeks after I did the latest software upgrade I discovered my
> > Sub receiver, VFO B no longer works. I downloaded and reinstalled and same

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> > VFO V knob. Strongest signal on the scope only gets white noise. Don't
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> >
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> >
> > [Non-text portions of this message have been removed]
> >
>
>

[Non-text portions of this message have been removed]

9440. Re: [orion565] Re: A9 Board..... summary of fixes and mods.....

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-08 18:14:28 UTC
From: catfishtwo@...
Topic: 9423 Message: 9440

Another trick I found along the same lines is when soldering wires to a mini din plug (or others) , cut a potato flat , top and bottom, and stick the end of the din plug into the potato. this holds the plug firmly, and also acts as a heat sink so when you solder in one wire , the one next to it does not come un soldered. tom N6AJR

In a message dated 5/8/2013 10:58:27 A.M. Pacific Daylight Time, wb2rhm@... writes:

Onno, et al,

I will measure the no-load voltages at the JP1 connector, and the +5V output pins, and might find a way to record them, when my new 50WVDC Low ESR capacitors arrive and get installed.

FWIW From the LT1054 spec, the Cin and Cout (C4/C2) capacitor values do not affect the output voltage level produced. However, since you are using C4 and C3 as part of a voltage doubler, C4 and C3 should be about equal. The value of C2 has a direct effect on the output voltage ripple, changing it to 220uf should decrease any p-p ripple.

I always wondered why the C8 100uf cap on the +5V line only had a 6.3WVDC rating..... cost? size?

FWIW(2) - FYI - Since I did not really care about the condition of the 'original' caps on the A9 board, I did a distructive removal to make the clearing of the PC board holes easier and to prevent overheating the PC board when trying to remove the old caps (which are large heat sinks when trying to unsolder them from below). This is an old 'US Navy' electronics repair depot trick. To remove the 'dead/old' electrolytic caps , I grip the body of the cap with pliers, or my fingers, and bend the body of the cap all the over to PC board. With caps like the ones on the A9 board, the internal connections of the leads inside the body of the cap break.... allowing you to pull the entire cap body off of the two moounting leads. This leave just two 'wires' connected to/through the pc board. These are completely easy to heat and remove from the pc board without damaging the board from excess heating. Then I heat one side of the PC board hole with a pointed soldering iron tip at the
hole and use a round (not flat) wooden toothpick to push through the melted solder from the other side of the PC board. The solder does not stick to the wooden toothpick, and the toothpick displaces all the solder from the hole. So, the PC hole is left open and solder free, and ready for the new component to be inserted.

73,

Ben - WB2RHM

PS Onno, are you going to any of the Windmills 'on-the-air' this weekend?

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Interesting changes Ben. Please let us know how it goes. I suggest you meassure the voltages, especially the negative lcd voltage, prior to connecting it to the lcd. Not sure if the capacitor change influences the output voltage somehow. Best regards, Onno
>
> --- In orion565@yahoogroups.com, "WB2RHM" <wb2rhm@> wrote:
> >
> > Sam, Rick, Onno, Paul, lurkers,
> >
> > I have removed all of the electrolytic caps from the A9 board. After reading and re-reading the spec sheet of the LT1054, and looking at the schematic of the A9 board, I ordered 50V extra low ESR caps from Mouser to replace all electrolytics.
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> > Also after reading the LT1054 spec, I am going to use 22uf 50V low ESR caps to replace all three of the 10uf 35V electrolytic caps on A9. AND I am going to change the 100uf 35V C2 electrolytic to a 220uf 50V low ESR electrolytic (to maintain the 1/10 ratio for C2/C4 as mentioned in the spec, and also match up the values of C3 and C4 to 22uf.)
> >
> > The parts should arrive from Mouser on Friday, and I hope to get them installed in time for the VOLTA RTTY contest this weekend.
> >
> > Thank you for all your advice, I will let you know what occurs sometime early next week, after the contest.
> >
> > 73,
> >
> > Ben - WB2RHM
> >
> > --- In orion565@yahoogroups.com, "hglent" <hglent@> wrote:
> > >
> > >
> > >
> > > Ben and Group,
> > > I paid $65.00 Plus S&H for a new A9 Board from Ten Tec. I saved the shipping and handling by driving to Ten Tec and picking the board up. Still had to pay the Tennessee sales tax (highest in the nation) plus the gas. I could have bought the parts from Digi-Key, paid S&H and the Tennessee tax. I wouldn't have seen the parts for a week.
> > >
> > > Next time I order parts I will pick up some caps and fix this old board and offer it to the group.
> > >
> > > All in all, the drive to Ten Tec is a pleasant one. I visited with the folks and stopped on the way home for a home made ice-cream. Kind of a wash!

> > >
> > > Gud luk es 73 de WA0BAG
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> > > Paul K.
> > > WA0BAG
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> > > --- In orion565@yahoogroups.com, "WB2RHM" <wb2rhm@> wrote:
> > > >
> > > > All,
> > > >
> > > > My 565 (s/n 10C10284) has now begun to show some of the 'classic' documented signs of A9 (81936) board degradation.... ie the replacement screen having a 'washed out' (flickering, almost black on white) bottom 2/3 of the blue on white display area along with random full-screen flickering horizontal white lines when cold, for the first 1/4 to 1/2 hour+ after initial power-on. After warm-up things seem normal.
> > > >
> > > > 1) I have read about replacing the 3 - 470uf/35v caps and the 3 - 100uf/35v caps with Low ESR, higher DCWV (50V) replacements..... 2) I also see references to TT having upgrading the A9 Board somewhere over the years.....
> > > >
> > > > ?Have there been any TT changes from the original TT circuit design? (Not just component tolerance vallues, but actual circuit diagram/wiring changes over the past 10 years for the A9?)
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> > > > ?While I see notes about upgrading/replacing the 470uf/100uf caps.... what about the 10uf caps?
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> > > > Thanks, 73,
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> > > > Ben - WB2RHM
> > > >
> > >
> > >
> >
>

Yahoo! Groups Links

[Non-text portions of this message have been removed]

9441. Re: A9 Board..... summary of fixes and mods.....

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-08 18:47:47 UTC
From: WB2RHM
Topic: 9423 Message: 9441

Onno, et al,

I will measure the no-load voltages at the JP1 connector, and also the +5V output
pins, I might also find a way to record them.

FWIW From the LT1054 spec, the Cin and Cout capacitor (C4/C2 on A9 schematic) values do not
affect the output voltage level produced.

However, since you are using C4 and C3 as part of a voltage doubler, C4 and C3 should be about equal. The value of C2 has a direct effect on the output voltage ripple, changing it to 220uf should decrease any p-p output ripple.

???? I always wondered why the C8 - 100uf cap on the +5V line only had a 6.3WVDC rating..... cost? size???

FWIW(2) - TIP - Since I did not really care about the condition of the 'original' caps on the A9 board, I did a 'distructive removal' .... to enable the cleaning of the PC board holes easier, and to also prevent overheating the PC board, from trying to remove the old caps (which really are just large heat sinks, when trying to
unsolder them from below). This is an old 'US Navy electronics repair depot' trick. To remove the 'dead/old' electrolytic caps , Without heating, I grip the body of the cap with pliers, or my fingers, and bend the body of the cap over to the PC board. Electrolytic caps, like the ones on the A9 board, the internal connection of the leads inside the body of the cap break clean.... allowing you to pull the entire capacitor body off of the remaining two moounting leads. This action leaves only two 'wires' connected to&through the pc board. They are completely easy to heat, and remove, from the pc board without damaging the PC board from excess heating. Then, I heat one side of each PC board hole with a pointed soldering iron tip centered on the hole, and using a round (not flat) wooden toothpick, I push through the melted solder from the opposite side of the PC board. The solder does not stick to the wooden toothpick, and the toothpick body displaces all the excess solder from inside the PC hole. So, the PC hole is left open and solder free, and ready for the new component to be inserted.

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> > I have removed all of the electrolytic caps from the A9 board. After reading and re-reading the spec sheet of the LT1054, and looking at the schematic of the A9 board, I ordered 50V extra low ESR caps from Mouser to replace all electrolytics.
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> > Thank you for all your advice, I will let you know what occurs sometime early next week, after the contest.
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> > 73,
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> > Ben - WB2RHM
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> > > Ben and Group,
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> > > Gud luk es 73 de WA0BAG

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> > > Paul K.
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> > > > All,
> > > >
> > > > My 565 (s/n 10C10284) has now begun to show some of the 'classic' documented signs of A9 (81936) board degradation.... ie the replacement screen having a 'washed out' (flickering, almost black on white) bottom 2/3 of the blue on white display area along with random full-screen flickering horizontal white lines when cold, for the first 1/4 to 1/2 hour+ after initial power-on. After warm-up things seem normal.
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> > > > 1) I have read about replacing the 3 - 470uf/35v caps and the 3 - 100uf/35v caps with Low ESR, higher DCWV (50V) replacements..... 2) I also see references to TT having upgrading the A9 Board somewhere over the years.....
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> > > > ?Have there been any TT changes from the original TT circuit design? (Not just component tolerance vallues, but actual circuit diagram/wiring changes over the past 10 years for the A9?)
> > > >
> > > > ?While I see notes about upgrading/replacing the 470uf/100uf caps.... what about the 10uf caps?
> > > >
> > > > ?OR how about a 'wholesale' replacement of the A9 being the most prudent course?
> > > >
> > > > Thanks, 73,
> > > >
> > > > Ben - WB2RHM
> > > >
> > >
> > >
>

9442. Transverter with Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-08 19:09:37 UTC
From: nr0t_mn
Topic: 9442 Message: 9442

I have an Orion 565 and a Down East Microwave 10 Mtr/2 Mtr transverter.
I have turned on the Transverter option in the TX Menu.
It works great with one exception.

The Orion only will go to 29.710 MHz which means that I can only operate from 144.000 to 145.710 MHz. The problem is there is at least one satellite in the 145.900 - 146.000 frequency range.
I assume that this is an Orion limitation which has no work-around.
But before giving up on it I thought I would ask here.

Is there any way to extend the Ten-Tec to cover up to 30 Mhz?

Tnx es 73 de
Rolf NR0T

9443. Re: Transverter with Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-09 01:49:59 UTC
From: EDEN MCCOLLOUGH
Topic: 9442 Message: 9443

Rolf, try operating your Orion via a software program such as Ham Radio Deluxe or N4PY. I use HRD to extend tx on my Orion to work on some MARS frequencies. It might work for you too.

73,
Butch...K3AFR

[Non-text portions of this message have been removed]

9444. Re: Transverter with Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-10 00:38:57 UTC
From: k1fpv
Topic: 9442 Message: 9444

Rolf,

Butch hit the nail right on the head! I use N4PY software with my Orion II and the Elecraft XV series of transverters for 50 thru 432 MHz. and using the N4PY software lets me use the full 2 MHz. in each band.

Bill/K1FPV

--- In orion565@yahoogroups.com, "EDEN MCCOLLOUGH" <k3afr@...> wrote:
>
> Rolf, try operating your Orion via a software program such as Ham Radio Deluxe or N4PY. I use HRD to extend tx on my Orion to work on some MARS frequencies. It might work for you too.
>
> 73,
> Butch...K3AFR
>
>
> [Non-text portions of this message have been removed]
>

9445. Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-10 02:23:27 UTC
From: James P
Topic: 645 Message: 9445

I am new to the group. I have been in ham radio for 40 years and will be makeing my first trip to Dayton this year. I have talked to the Ten Tec people but I want to talk to anyone that has an Orion II. Any chance we can set up a conference net on Skype?

Jim
WA2DNI

9446. Re: [orion565] Sub receiver, VFO B

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-10 06:37:41 UTC
From: K Van Horn
Topic: 9431 Message: 9446

Hi Donald,
I'd start out by doing a master reset. IF THAT DOESN'T FIX IT, I WOULD THEN do a battery reset. If that doesn't fix it, I would reinstall the older version of the firmware that did work. If that fixes it, I would then install the new version of the firmware. Questions? 406=366=3896. 73 es Gud Luck!! Kirby, K7EC

From: donkn5i
Sent: Tuesday, 7 May, 2013 16:27
To: orion565@yahoogroups.com
Subject: [orion565] Sub receiver, VFO B

A couple of weeks after I did the latest software upgrade I discovered my Sub receiver, VFO B no longer works. I downloaded and reinstalled and same thing. Anyone else have any suggestions. I only get static when moving the VFO V knob. Strongest signal on the scope only gets white noise. Don't hardly ever use VFO B except for split and ocasional WWV. Wonder how much it will cost to fix this?
73 Donald - W5DAM

[Non-text portions of this message have been removed]

9447. Re: [orion565] Sub receiver, VFO B

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-10 09:46:51 UTC
From: Jerry Rogers
Topic: 9431 Message: 9447

I though this problem got fixed after a hard reset, and deselecting the RX366 sub receiver on setup.

Also, the scope on the sub receiver is only the bar scope, but then that might be the one you are talking about.

Jerry, ki4ps

On May 10, 2013, at 2:37 AM, K Van Horn <k7ec@...> wrote:

> Hi Donald,
> I?d start out by doing a master reset. IF THAT DOESN?T FIX IT, I WOULD THEN do a battery reset. If that doesn?t fix it, I would reinstall the older version of the firmware that did work. If that fixes it, I would then install the new version of the firmware. Questions? 406=366=3896. 73 es Gud Luck!! Kirby, K7EC
>
> From: donkn5i
> Sent: Tuesday, 7 May, 2013 16:27
> To: orion565@yahoogroups.com
> Subject: [orion565] Sub receiver, VFO B
>
> A couple of weeks after I did the latest software upgrade I discovered my Sub receiver, VFO B no longer works. I downloaded and reinstalled and same thing. Anyone else have any suggestions. I only get static when moving the VFO V knob. Strongest signal on the scope only gets white noise. Don't hardly ever use VFO B except for split and ocasional WWV. Wonder how much it will cost to fix this?
> 73 Donald - W5DAM
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

9448. Orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-10 11:02:24 UTC
From: tc423239
Topic: 9448 Message: 9448

Orion 2 with option SSB filter, 963 power supply.
Also have 707, 708, 709 desk mics.
Latest firmware, box and manual.
$2800.00 for all
Will meet or deliver reasonable distance from Kingsport, Tn

9449. Re: [orion565] Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-10 12:23:10 UTC
From: Sam W Jacobs CET
Topic: 645 Message: 9449

Welcome Jim to the group.

I have had my ORION II for about 4 years. What do you need to know ?
I have tons of good stuff to say about the O2 and just a few negative things like their power distribution board, look and feel of the control knobs, lack of a 9khz tap in on the back, no USB port for HRD control, etc...

Any questions, just ask.

73 !

Sam
K3SAM

From: James P <dxer233@...>
To: orion565@yahoogroups.com
Sent: Thursday, May 9, 2013 10:23 PM
Subject: [orion565] Orion II

I am new to the group. I have been in ham radio for 40 years and will be makeing my first trip to Dayton this year. I have talked to the Ten Tec people but I want to talk to anyone that has an Orion II. Any chance we can set up a conference net on Skype?

Jim
WA2DNI

[Non-text portions of this message have been removed]

9450. Re: Transverter with Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-13 15:56:09 UTC
From: nr0t_mn
Topic: 9442 Message: 9450

Thanks to K3AFR and K1FPV for your responses.
I will give the software a try.

73
Rolf NR0T

--- In orion565@yahoogroups.com, "EDEN MCCOLLOUGH" <k3afr@...> wrote:
>
> Rolf, try operating your Orion via a software program such as Ham Radio Deluxe or N4PY. I use HRD to extend tx on my Orion to work on some MARS frequencies. It might work for you too.
>
> 73,
> Butch...K3AFR
>
>
> [Non-text portions of this message have been removed]
>

9451. Re: Transverter with Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-13 21:29:56 UTC
From: k1fpv
Topic: 9442 Message: 9451

I'm assuming that another solution without the software would be to see if you could get the MARS mod for the Orion II. Then you would be able to transmit on a wider range.

At any rate, if you use the N4PY software, you won't be disappointed. Carl does a nice job with the software.

Good luck & 73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "nr0t_mn" <rolf.krogstad@...> wrote:
>
> Thanks to K3AFR and K1FPV for your responses.
> I will give the software a try.
>
> 73
> Rolf NR0T
>
> --- In orion565@yahoogroups.com, "EDEN MCCOLLOUGH" <k3afr@> wrote:
> >
> > Rolf, try operating your Orion via a software program such as Ham Radio Deluxe or N4PY. I use HRD to extend tx on my Orion to work on some MARS frequencies. It might work for you too.
> >
> > 73,
> > Butch...K3AFR
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

9452. Re: [orion565] Re: Transverter with Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-13 21:31:37 UTC
From: catfishtwo@...
Topic: 9442 Message: 9452

I am using a ten tec 6 m transverter with my orion and it works well, but I don't know how I would get it out of band. tom n6ajr

In a message dated 5/13/2013 2:30:00 P.M. Pacific Daylight Time, k1fpv@... writes:

I'm assuming that another solution without the software would be to see if you could get the MARS mod for the Orion II. Then you would be able to transmit on a wider range.

At any rate, if you use the N4PY software, you won't be disappointed. Carl does a nice job with the software.

Good luck & 73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "nr0t_mn" <rolf.krogstad@...> wrote:
>
> Thanks to K3AFR and K1FPV for your responses.
> I will give the software a try.
>
> 73
> Rolf NR0T
>
> --- In orion565@yahoogroups.com, "EDEN MCCOLLOUGH" <k3afr@> wrote:
> >
> > Rolf, try operating your Orion via a software program such as Ham Radio Deluxe or N4PY. I use HRD to extend tx on my Orion to work on some MARS frequencies. It might work for you too.
> >
> > 73,
> > Butch...K3AFR
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

Yahoo! Groups Links

[Non-text portions of this message have been removed]

9453. Re: Transverter with Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-13 22:38:20 UTC
From: EDEN MCCOLLOUGH
Topic: 9442 Message: 9453

Bill and group.....there is no MARS mod for either the Orion or Orion II.

Butch...K3AFR

[Non-text portions of this message have been removed]

9454. Re: A9 Board..... summary of fixes and mods.....

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-14 01:04:09 UTC
From: WB2RHM
Topic: 9423 Message: 9454

All,

Here are my results.....

All the new electrolytic, A9 board, caps arrived from Mouser, total cost less than $10US including USPS Priority shipping. I had no problems installing all of the 'new' 50WVDC Panasonic LowESR caps into the A9 board. However, two of the 470uf caps did not sit perfectly flat to the A9 board because they are an RCH (:)) larger in diameter than space allows.... No problem, if you tilt them slightly away from each other, this allows for easy placement and soldering.

To test before installing A9 into the 565, I used an external regulsted power supply to supply +13.8VDC to the A9 board input pins. When measured, the +5V Output pins provided +5.1VDC and there was NO detectable ripple on the +5V A9 pins. The -20.5VDC A9 JP1 pins, measured on my DVM, showed -20.4VDC, with a 'flat line' ripple displayed on my 35MHZ Elenco O'Scope.

Based on the isolated A9 test, I installed the A9 into my 565.

WOW! From power-on, after the system initialization, the Blue on White or the White on Blue displays were CRISP, and the characters appear to be SHARPER, with no contrast change from Power-on to +15 Hours of 100% duty cycle..... (the duration of the Volta RTTY contest last weekend). Some of this could be due to how OLD my 565 had aged over the past 10 years..... BUT it is like having a new display in a new 565.

However, nothing has changed about the angle-of-view flicker for the replacement Blue display..... the clearest viewing is restricted to a narrow angle +/- off of straight-on line of sight. But, when you are viewing it almost 'straight-on', it is perfect White-on-blue or Blue-on-white..... The inherent 'flicker' of the replacement Blue display is still there..... and that is the next thing to 'fix'. But any warm-up fading/horizontal lines are gone.

$10 bucks..... you cannot miss on this update if your display has aged.

73,

Ben - WB2RHM

--- In orion565@yahoogroups.com, "WB2RHM" wrote:
>
>

> Onno, et al,
>
> I will measure the no-load voltages at the JP1 connector, and also the
> +5V output
> pins, I might also find a way to record them.
>
> FWIW From the LT1054 spec, the Cin and Cout capacitor (C4/C2 on A9
> schematic) values do not
> affect the output voltage level produced.
>
> However, since you are using C4 and C3 as part of a voltage doubler,
C4
> and C3 should be about equal. The value of C2 has a direct effect on
the
> output voltage ripple, changing it to 220uf should decrease any p-p
> output ripple.
>
> ???? I always wondered why the C8 - 100uf cap on the +5V line only had
a
> 6.3WVDC rating..... cost? size???
>
> FWIW(2) - TIP - Since I did not really care about the condition of the
> 'original' caps on the A9 board, I did a 'distructive removal' .... to
> enable the cleaning of the PC board holes easier, and to also prevent
> overheating the PC board, from trying to remove the old caps (which
> really are just large heat sinks, when trying to
> unsolder them from below). This is an old 'US Navy electronics repair
> depot' trick. To remove the 'dead/old' electrolytic caps , Without
> heating, I grip the body of the cap with pliers, or my fingers, and
bend
> the body of the cap over to the PC board. Electrolytic caps, like the
> ones on the A9 board, the internal connection of the leads inside the
> body of the cap break clean.... allowing you to pull the entire
> capacitor body off of the remaining two moounting leads. This action
> leaves only two 'wires' connected to&through the pc board. They are
> completely easy to heat, and remove, from the pc board without
damaging
> the PC board from excess heating. Then, I heat one side of each PC
board
> hole with a pointed soldering iron tip centered on the hole, and using
a
> round (not flat) wooden toothpick, I push through the melted solder
from
> the opposite side of the PC board. The solder does not stick to the
> wooden toothpick, and the toothpick body displaces all the excess
solder
> from inside the PC hole. So, the PC hole is left open and solder free,
> and ready for the new component to be inserted.
>
> 73,

>
> Ben - WB2RHM
>
> PS Onno, are you going to any of the Windmills 'on-the-air' this
> weekend?
>
>
> --- In orion565@yahoogroups.com, "pa1ap" wrote:
> >
> > Interesting changes Ben. Please let us know how it goes. I suggest
you
> meassure the voltages, especially the negative lcd voltage, prior to
> connecting it to the lcd. Not sure if the capacitor change influences
> the output voltage somehow. Best regards, Onno
> >
> > --- In orion565@yahoogroups.com, "WB2RHM" wb2rhm@ wrote:
> > >
> > > Sam, Rick, Onno, Paul, lurkers,
> > >
> > > I have removed all of the electrolytic caps from the A9 board.
After
> reading and re-reading the spec sheet of the LT1054, and looking at
the
> schematic of the A9 board, I ordered 50V extra low ESR caps from
Mouser
> to replace all electrolytics.
> > >
> > > Also after reading the LT1054 spec, I am going to use 22uf 50V low
> ESR caps to replace all three of the 10uf 35V electrolytic caps on A9.
> AND I am going to change the 100uf 35V C2 electrolytic to a 220uf 50V
> low ESR electrolytic (to maintain the 1/10 ratio for C2/C4 as
mentioned
> in the spec, and also match up the values of C3 and C4 to 22uf.)
> > >
> > > The parts should arrive from Mouser on Friday, and I hope to get
> them installed in time for the VOLTA RTTY contest this weekend.
> > >
> > > Thank you for all your advice, I will let you know what occurs
> sometime early next week, after the contest.
> > >
> > > 73,
> > >
> > > Ben - WB2RHM
> > >
> > > --- In orion565@yahoogroups.com, "hglent" wrote:
> > > >
> > > >
> > > >
> > > > Ben and Group,
> > > > I paid $65.00 Plus S&H for a new A9 Board from Ten Tec. I saved

> the shipping and handling by driving to Ten Tec and picking the board
> up. Still had to pay the Tennessee sales tax (highest in the nation)
> plus the gas. I could have bought the parts from Digi-Key, paid S&H
and
> the Tennessee tax. I wouldn't have seen the parts for a week.
> > > >
> > > > Next time I order parts I will pick up some caps and fix this
old
> board and offer it to the group.
> > > >
> > > > All in all, the drive to Ten Tec is a pleasant one. I visited
with
> the folks and stopped on the way home for a home made ice-cream. Kind
of
> a wash!
> > > >
> > > > Gud luk es 73 de WA0BAG
> > > >
> > > > Paul K.
> > > > WA0BAG
> > > >
> > > > --- In orion565@yahoogroups.com, "WB2RHM" wrote:
> > > > >
> > > > > All,
> > > > >
> > > > > My 565 (s/n 10C10284) has now begun to show some of the
> 'classic' documented signs of A9 (81936) board degradation.... ie the
> replacement screen having a 'washed out' (flickering, almost black on
> white) bottom 2/3 of the blue on white display area along with random
> full-screen flickering horizontal white lines when cold, for the first
> 1/4 to 1/2 hour+ after initial power-on. After warm-up things seem
> normal.
> > > > >
> > > > > 1) I have read about replacing the 3 - 470uf/35v caps and the
3
> - 100uf/35v caps with Low ESR, higher DCWV (50V) replacements.......
2)
> I also see references to TT having upgrading the A9 Board somewhere
over
> the years.....
> > > > >
> > > > > ?Have there been any TT changes from the original TT circuit
> design? (Not just component tolerance vallues, but actual circuit
> diagram/wiring changes over the past 10 years for the A9?)
> > > > >
> > > > > ?While I see notes about upgrading/replacing the 470uf/100uf
> caps.... what about the 10uf caps?
> > > > >
> > > > > ?OR how about a 'wholesale' replacement of the A9 being the
most

> prudent course?
> > > > >
> > > > > Thanks, 73,
> > > > > >
> > > > > > Ben - WB2RHM
> > > > > > >
> > > > > >
> > > > >
> > > >
> >

9455. Re: A9 Board..... Part numbers for 50WVDC Low-ESR 108C Caps (Mouser)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-14 13:30:09 UTC
From: WB2RHM
Topic: 9423 Message: 9455

All,

Here are the Mouser part numbers for the Panasonic, Low-ESR, 50WVDC,
108C electrolytic caps I needed to repopulate all the caps on my 565 A9
board:

Mouser Part No.
Manufacturer Part No.
Description

667-EEU-FR1H221
MFG Part No:EEU-FR1H221
Panasonic Aluminum Electrolytic Capacitors - Leaded 220uf 50WVDC 108C
1 -C2 $0.39ea

667-EEU-FR1H220
MFG Part No:EEU-FR1H220
Panasonic Aluminum Electrolytic Capacitors - Leaded 22uf 50WVDC 108C
3 -C3,C4,C5 $0.09ea

667-EEU-FR1H101
MFG Part No:EEU-FR1H101
Panasonic Aluminum Electrolytic Capacitors - Leaded 100uf 50WVDC 108C
2 -C1,C8 $0.22ea

667-EEU-FR1H471
MFG Part No:EEU-FR1H471
Panasonic Aluminum Electrolytic Capacitors - Leaded 470uf 50WVDC 108C
3 -C6,C7,C9 $0.69ea

USPS Priority Mail $4.99

73,

Ben - WB2RHM

--- In orion565@yahoogroups.com, "WB2RHM" wrote:
>
>
> All,
>
> Here are my results.......
>
> All the new electrolytic, A9 board, caps arrived from Mouser, total
cost
> less than $10US including USPS Priority shipping. I had no problems

> installing all of the 'new' 50WVDC Panasonic LowESR caps into the A9
> board. However, two of the 470uf caps did not sit perfectly flat to
> the A9 board because they are an RCH (:)) larger in diameter than
> space allows.... No problem, if you tilt them slightly away from each
> other, this allows for easy placement and soldering.
>
> To test before installing A9 into the 565, I used an external
regulsted
> power supply to supply +13.8VDC to the A9 board input pins. When
> measured, the +5V Output pins provided +5.1VDC and there was NO
> detectable ripple on the +5V A9 pins. The -20.5VDC A9 JP1 pins,
> measured on my DVM, showed -20.4VDC, with a 'flat line' ripple
displayed
> on my 35MHZ Elenco O'Scope.
>
> Based on the isolated A9 test, I installed the A9 into my 565.
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> or the White on Blue displays were CRISP, and the characters appear to
> be SHARPER, with no contrast change from Power-on to +15 Hours of 100%
> duty cycle..... (the duration of the Volta RTTY contest last
> weekend). Some of this could be due to how OLD my 565 had aged over
> the past 10 years..... BUT it is like having a new display in a
> new 565.
>
> However, nothing has changed about the angle-of-view flicker for the
> replacement Blue display..... the clearest viewing is restricted to
a
> narrow angle +/- off of straight-on line of sight. But, when you are
> viewing it almost 'straight-on', it is perfect White-on-blue or
> Blue-on-white..... The inherent 'flicker' of the
> replacement Blue display is still there..... and that is the next
> thing to 'fix'. But any warm-up fading/horizontal lines are gone.
>
> $10 bucks..... you cannot miss on this update if your display has
> aged.
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> 73,
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> Ben - WB2RHM
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> --- In orion565@yahoogroups.com, "WB2RHM" wrote:
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> > Onno, et al,
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> > pins, I might also find a way to record them.
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> > However, since you are using C4 and C3 as part of a voltage doubler,
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> > and C3 should be about equal. The value of C2 has a direct effect on
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> > output voltage ripple, changing it to 220uf should decrease any p-p
> > output ripple.
> >
> > ???? I always wondered why the C8 - 100uf cap on the +5V line only
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> a
> > 6.3WVDC rating..... cost? size???
> >
> > FWIW(2) - TIP - Since I did not really care about the condition of
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> > 'original' caps on the A9 board, I did a 'distructive removal' ....
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> > the body of the cap over to the PC board. Electrolytic caps, like
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> > body of the cap break clean.... allowing you to pull the entire
> > capacitor body off of the remaining two moounting leads. This action
> > leaves only two 'wires' connected to&through the pc board. They are
> > completely easy to heat, and remove, from the pc board without
> damaging
> > the PC board from excess heating. Then, I heat one side of each PC
> board
> > hole with a pointed soldering iron tip centered on the hole, and
using
> a
> > round (not flat) wooden toothpick, I push through the melted solder
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> > the opposite side of the PC board. The solder does not stick to the

> > wooden toothpick, and the toothpick body displaces all the excess
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> > from inside the PC hole. So, the PC hole is left open and solder
free,
> > and ready for the new component to be inserted.
> >
> > 73,
> >
> > Ben - WB2RHM
> >
> > PS Onno, are you going to any of the Windmills 'on-the-air' this
> > weekend?
> >
> >
> > --- In orion565@yahoogroups.com, "pa1ap" wrote:
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> > meassure the voltages, especially the negative lcd voltage, prior to
> > connecting it to the lcd. Not sure if the capacitor change
influences
> > the output voltage somehow. Best regards, Onno
> > >
> > > --- In orion565@yahoogroups.com, "WB2RHM" wb2rhm@ wrote:
> > > >
> > > > Sam, Rick, Onno, Paul, lurkers,
> > > >
> > > > I have removed all of the electrolytic caps from the A9 board.
> After
> > reading and re-reading the spec sheet of the LT1054, and looking at
> the
> > schematic of the A9 board, I ordered 50V extra low ESR caps from
> Mouser
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> > ESR caps to replace all three of the 10uf 35V electrolytic caps on
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> > AND I am going to change the 100uf 35V C2 electrolytic to a 220uf
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9456. Re: A9 Board..... Part numbers for 50WVDC Low-ESR 108C Caps (Mouser)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-14 13:44:13 UTC
From: pa1ap
Topic: 9423 Message: 9456

excellent and thank you so much for sharing this information with the group. Yet another improvement to get the A9 board under control. Best regards, Onno

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9457. Re: A9 Board..... Part numbers for 50WVDC Low-ESR 108C Caps (Mouser)

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-14 14:33:35 UTC
From: storygene
Topic: 9423 Message: 9457

Thanks for the excellent information Ben.

I am about to replace my 565 Orion LCD and was contemplating what capacitors, and where I would acquire them to refresh my A9 board. After reading your message trail, I placed an order this morning with MOUSER for the ones you listed, along with some extras. I always add a few spares for replacements, or "other" projects that might need them.

Thanks,

Gene / K7TXO

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> > > 1/4 to 1/2 hour+ after initial power-on. After warm-up things seem
> > > normal.
> > > > > > > > >
> > > > > > > 1) I have read about replacing the 3 - 470uf/35v caps and
> the
> > 3
> > > - 100uf/35v caps with Low ESR, higher DCWV (50V) replacements.......
> > 2)
> > > I also see references to TT having upgrading the A9 Board somewhere
> > over
> > > the years..........
> > > > > > > > >
> > > > > > > ?Have there been any TT changes from the original TT circuit
> > > design? (Not just component tolerance vallues, but actual circuit
> > > diagram/wiring changes over the past 10 years for the A9?)
> > > > > > > > >
> > > > > > > ?While I see notes about upgrading/replacing the 470uf/100uf
> > > caps.... what about the 10uf caps?
> > > > > > > > >
> > > > > > > ?OR how about a 'wholesale' replacement of the A9 being the
> > most
> > > prudent course?
> > > > > > > > >
> > > > > > > Thanks, 73,
> > > > > > > > >
> > > > > > > Ben - WB2RHM
> > > > > > > > >
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9458. Re: Transverter with Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-14 17:21:46 UTC
From: k1fpv
Topic: 9442 Message: 9458

Oh! I didn't realize that. Well, we learn something every day! Guess the software solution is the only way to get around it then.

Bill/K1FPV

--- In orion565@yahoogroups.com, "EDEN MCCOLLOUGH" <k3afr@...> wrote:
>
> Bill and group.....there is no MARS mod for either the Orion or Orion II.
>
> Butch...K3AFR
>
> [Non-text portions of this message have been removed]
>

9459. Re: A9 Board..... summary of fixes and mods.....

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-14 17:28:58 UTC
From: k1fpv
Topic: 9423 Message: 9459

Thanks Ben for the info! I've had to replace the caps on my Orion II A9 board a couple times already. I'll keep this in mind for the next repair should it need to be done.

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "WB2RHM" <wb2rhm@...> wrote:
>
>
> All,
>
> Here are my results.......
>
> All the new electrolytic, A9 board, caps arrived from Mouser, total cost
> less than $10US including USPS Priority shipping. I had no problems
> installing all of the 'new' 50WVDC Panasonic LowESR caps into the A9
> board. However, two of the 470uf caps did not sit perfectly flat to
> the A9 board because they are an RCH (:)) larger in diameter than
> space allows.... No problem, if you tilt them slightly away from each
> other, this allows for easy placement and soldering.
>
> To test before installing A9 into the 565, I used an external regulsted
> power supply to supply +13.8VDC to the A9 board input pins. When
> measured, the +5V Output pins provided +5.1VDC and there was NO
> detectable ripple on the +5V A9 pins. The -20.5VDC A9 JP1 pins,
> measured on my DVM, showed -20.4VDC, with a 'flat line' ripple displayed
> on my 35MHZ Elenco O'Scope.
>
> Based on the isolated A9 test, I installed the A9 into my 565.
>
> WOW! From power-on, after the system initialization, the Blue on White
> or the White on Blue displays were CRISP, and the characters appear to
> be SHARPER, with no contrast change from Power-on to +15 Hours of 100%
> duty cycle..... (the duration of the Volta RTTY contest last
> weekend). Some of this could be due to how OLD my 565 had aged over
> the past 10 years..... BUT it is like having a new display in a
> new 565.
>
> However, nothing has changed about the angle-of-view flicker for the
> replacement Blue display..... the clearest viewing is restricted to a
> narrow angle +/- off of straight-on line of sight. But, when you are
> viewing it almost 'straight-on', it is perfect White-on-blue or
> Blue-on-white..... The inherent 'flicker' of the
> replacement Blue display is still there..... and that is the next
> thing to 'fix'. But any warm-up fading/horizontal lines are gone.

>
> $10 bucks.......... you cannot miss on this update if your display has
> aged.
>
> 73,
>
> Ben - WB2RHM
>
>
>
>
> --- In orion565@yahoogroups.com, "WB2RHM" wrote:
> >
> >
> > Onno, et al,
> >
> > I will measure the no-load voltages at the JP1 connector, and also the
> > +5V output
> > pins, I might also find a way to record them.
> >
> > FWIW From the LT1054 spec, the Cin and Cout capacitor (C4/C2 on A9
> > schematic) values do not
> > affect the output voltage level produced.
> >
> > However, since you are using C4 and C3 as part of a voltage doubler,
> C4
> > and C3 should be about equal. The value of C2 has a direct effect on
> the
> > output voltage ripple, changing it to 220uf should decrease any p-p
> > output ripple.
> >
> > ???? I always wondered why the C8 - 100uf cap on the +5V line only had
> a
> > 6.3WVDC rating..... cost? size???
> >
> > FWIW(2) - TIP - Since I did not really care about the condition of the
> > 'original' caps on the A9 board, I did a 'distructive removal' .... to
> > enable the cleaning of the PC board holes easier, and to also prevent
> > overheating the PC board, from trying to remove the old caps (which
> > really are just large heat sinks, when trying to
> > unsolder them from below). This is an old 'US Navy electronics repair
> > depot' trick. To remove the 'dead/old' electrolytic caps , Without
> > heating, I grip the body of the cap with pliers, or my fingers, and
> bend
> > the body of the cap over to the PC board. Electrolytic caps, like the
> > ones on the A9 board, the internal connection of the leads inside the
> > body of the cap break clean.... allowing you to pull the entire
> > capacitor body off of the remaining two moounting leads. This action
> > leaves only two 'wires' connected to&through the pc board. They are
> > completely easy to heat, and remove, from the pc board without

> damaging
> > the PC board from excess heating. Then, I heat one side of each PC
> board
> > hole with a pointed soldering iron tip centered on the hole, and using
> a
> > round (not flat) wooden toothpick, I push through the melted solder
> from
> > the opposite side of the PC board. The solder does not stick to the
> > wooden toothpick, and the toothpick body displaces all the excess
> solder
> > from inside the PC hole. So, the PC hole is left open and solder free,
> > and ready for the new component to be inserted.
> >
> > 73,
> >
> > Ben - WB2RHM
> >
> > PS Onno, are you going to any of the Windmills 'on-the-air' this
> > weekend?
> >
> >
> > --- In orion565@yahoogroups.com, "pa1ap" wrote:
> > >
> > > Interesting changes Ben. Please let us know how it goes. I suggest
> you
> > meassure the voltages, especially the negative lcd voltage, prior to
> > connecting it to the lcd. Not sure if the capacitor change influences
> > the output voltage somehow. Best regards, Onno
> > >
> > > --- In orion565@yahoogroups.com, "WB2RHM" wb2rhm@ wrote:
> > > >
> > > > Sam, Rick, Onno, Paul, lurkers,
> > > >
> > > > I have removed all of the electrolytic caps from the A9 board.
> After
> > reading and re-reading the spec sheet of the LT1054, and looking at
> the
> > schematic of the A9 board, I ordered 50V extra low ESR caps from
> Mouser
> > to replace all electrolytics.
> > > >
> > > > Also after reading the LT1054 spec, I am going to use 22uf 50V low
> > ESR caps to replace all three of the 10uf 35V electrolytic caps on A9.
> > AND I am going to change the 100uf 35V C2 electrolytic to a 220uf 50V
> > low ESR electrolytic (to maintain the 1/10 ratio for C2/C4 as
> mentioned
> > in the spec, and also match up the values of C3 and C4 to 22uf.)
> > > >
> > > > The parts should arrive from Mouser on Friday, and I hope to get
> > them installed in time for the VOLTA RTTY contest this weekend.

> > > >
> > > > Thank you for all your advice, I will let you know what occurs
> > sometime early next week, after the contest.
> > > >
> > > > 73,
> > > >
> > > > Ben - WB2RHM
> > > >
> > > > --- In orion565@yahoogroups.com, "hglent" wrote:
> > > > >
> > > > >
> > > > >
> > > > > Ben and Group,
> > > > > I paid $65.00 Plus S&H for a new A9 Board from Ten Tec. I saved
> > the shipping and handling by driving to Ten Tec and picking the board
> > up. Still had to pay the Tennessee sales tax (highest in the nation)
> > plus the gas. I could have bought the parts from Digi-Key, paid S&H
> and
> > the Tennessee tax. I wouldn't have seen the parts for a week.
> > > > >
> > > > > Next time I order parts I will pick up some caps and fix this
> old
> > board and offer it to the group.
> > > > >
> > > > > All in all, the drive to Ten Tec is a pleasant one. I visited
> with
> > the folks and stopped on the way home for a home made ice-cream. Kind
> of
> > a wash!
> > > > >
> > > > > Gud luk es 73 de WA0BAG
> > > > >
> > > > > Paul K.
> > > > > WA0BAG
> > > > >
> > > > > --- In orion565@yahoogroups.com, "WB2RHM" wrote:
> > > > > >
> > > > > > All,
> > > > > >
> > > > > > My 565 (s/n 10C10284) has now begun to show some of the
> > 'classic' documented signs of A9 (81936) board degradation.... ie the
> > replacement screen having a 'washed out' (flickering, almost black on
> > white) bottom 2/3 of the blue on white display area along with random
> > full-screen flickering horizontal white lines when cold, for the first
> > 1/4 to 1/2 hour+ after initial power-on. After warm-up things seem
> > normal.
> > > > > >
> > > > > > 1) I have read about replacing the 3 - 470uf/35v caps and the
> 3
> > - 100uf/35v caps with Low ESR, higher DCWV (50V) replacements.......

> 2)
> > I also see references to TT having upgrading the A9 Board somewhere
> over
> > the years.....
> > > > > >
> > > > > > ?Have there been any TT changes from the original TT circuit
> > design? (Not just component tolerance vallues, but actual circuit
> > diagram/wiring changes over the past 10 years for the A9?)
> > > > > >
> > > > > > ?While I see notes about upgrading/replacing the 470uf/100uf
> > caps.... what about the 10uf caps?
> > > > > >
> > > > > > ?OR how about a 'wholesale' replacement of the A9 being the
> most
> > prudent course?
> > > > > >
> > > > > > Thanks, 73,
> > > > > > >
> > > > > > Ben - WB2RHM
> > > > > > >
> > > > > >
> > > > >
> > >
> >
>

9460. Re: 565 Question /Pan-adapter/9mHz etc..

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-14 17:34:12 UTC
From: pierre_rothenburger
Topic: 9339 Message: 9460

YES Rick, I was referring to your mod I recognized.
Sri for being late to confirm..
Meanwhile I got my N4PY SW currently working though it, getting started.
Second stage shall be inserting my PMSDR, as said earlier. An alternative
done and posted by Paul K3SF.
Hope it will not be too tedious!
Thank you.
73,
Pierre,
F3WT

--- In orion565@yahoogroups.com, "ve7tk" <ve7tk@...> wrote:
>
> You may be referring to my mod. It is on my website:
>
> http://www3.telus.net/ve7tk/9MHz_IF.pdf
>
> 73, Rick
> VE7TK
>
> --- In orion565@yahoogroups.com, "pierre_rothenburger" <f3wt@> wrote:
> >
> > Good!
> > Thank you!
> > I remember also of a more involved mod with an "emitter-follower" transistor linking a
constant point before the 9mHz IF roofing-filters indeed to the spare on the back.
> >
> > Pierre F3WT
> >
> > --- In orion565@yahoogroups.com, "saukp" <saukp@> wrote:
> > >
> > >
> > > hi...
> > >
> > > I did exactly that and posted the mod in the files section of this group....for
details and pictures see file
> > > orion_mod_spare.pdf
> > >
> > >
> > > Paul K3SF
> > >
> > > --- In orion565@yahoogroups.com, f3wt@ wrote:
> > > >
> > > > Hi John,
> > > >

> > > > No need for a RX_366 if it is o n l y for that!
> > > > As described elsewhere to quite some extend, you may insert at the
> > > > entrance of either Main or Sub-RX a PMSDR or similar running SW
> > > > on Flex or the like. You will end-up with 3 receivers (keeping the
> > > > actual Sub of O1, 1 or even 2 as well with a PMSDR, done by SW) for half
> > > > the bucks.
> > > > 73
> > > > Pierre, F3WT
> > > >
> > >
> >
>

9461. Re: 565 Question /Pan-adapter/9mHz etc..

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-14 19:38:14 UTC
From: pierre_rothenburger
Topic: 9339 Message: 9461

Hi Paul,
Seen your pics of your mod file! Great!
Question: do you run all this concurrently on a same PC , that is: O1 w.N4PY, SDR-IQ w. PowerSDR-iq (I use a vers. from SV1EIA), CW-skimmer, N2MM and may be even more?
Thank you.
73, Pierre F3WT

--- In orion565@yahoogroups.com, "saukp" <saukp@...> wrote:
>
>
> hi...
>
> I did exactly that and posted the mod in the files section of this group....for details and pictures see file
> orion_mod_spare.pdf
>
>
> Paul K3SF
>
> --- In orion565@yahoogroups.com, f3wt@ wrote:
> >
> > Hi John,
> >
> > No need for a RX_366 if it is o n l y for that!
> > As described elsewhere to quite some extend, you may insert at the
> > entrance of either Main or Sub-RX a PMSDR or similar running SW
> > on Flex or the like. You will end-up with 3 receivers (keeping the
> > actual Sub of O1, 1 or even 2 as well with a PMSDR, done by SW) for half
> > the bucks.
> > 73
> > Pierre, F3WT
> >
>

9462. Re: [orion565] Re: Transverter with Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-15 03:26:35 UTC
From: Sam W Jacobs CET
Topic: 9442 Message: 9462

I could never understand T*T's thinking on this. Why put "safety stops" at the beginning and ending of each band ? Almost as if they are policing the bands.

Don't get me wrong, I could give a rats ass one way or the other, but all the other radios that I've owned would transmit way out of band. Some would even transmit in the children's band. (again, I've never transmitted out of band, just pointing this out for the record)

Back when COMMERCIAL software programmed radios (not SDR) first came out, ie. Motorola, Maxon, Fujitsu Ten and a few others, it was easy to get into the programming code and once you figured out their secrets (start and stop bits, hexadecimal or binary, delimiters, etc) you could pretty much over-ride their limits. In fact, FujiTen communications wrote their mass-distributed programming software in dBase. Once I cracked that, I wrote an .EXE program that would go above and below the specs (so that amateur operators could also use these as mobiles / portables). Fuji liked the program so much they bought the rights and code from me, lol. (no, I haven't analyzed T*T's coding... yet)

My point, there is no excuse for an ORION radio not to be able to transmit in the MARS frequency range "out of the box". You shouldn't need to buy third party software to do this. If someone is stupid enough to transmit there without belonging to the MARS organization then they deserve the book throw at them, but it's not T*T's job to police this by putting in Start and Stop band limits.

73 !

Sam
K3SAM

ps: I understand going past the limits will reduce the output, that's not the topic here.

From: EDEN MCCOLLOUGH <k3afr@...>
To: orion565@yahoogroups.com
Sent: Monday, May 13, 2013 6:38 PM
Subject: [orion565] Re: Transverter with Orion

Bill and group.....there is no MARS mod for either the Orion or Orion II.

Butch...K3AFR

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9463. Re: 565 Question /Pan-adapter/9mHz etc..

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-15 12:53:30 UTC
From: saukp
Topic: 9339 Message: 9463

hello pierre

my basic setup is an Imac computer running osx and a Vmware with XP
with this setup i can run various configurations

Both config #1 and #2 are OSX native, no VMXP required

config #1 - simple

i use maclogger dx(mldx) for logging and basic rig control(freq and mode and split and of course logging, cluster monitoring) of the orion......rig control is not as complete as N4PY s/w but good enough for me.

Config #2- SDR_IQ as third receiver native OSX

includes config #1 plus running SdrDX for operations of the SDR-IQ as the third receiver... this setup allows for multiple features , like seeing the pileup and finding a clear spot, or listening/looking on other bands for openings while in a pileup on another band.. i do use a headset where i listen to main receiver in left ear, subreceiver in right ear and the sdr-iq on speaker....

Config #3 - SDR_IQ setup in VMXP with CWSkimmer

Includes config #1 plus VMXP up and running CW skimmer with the SDR-IQ
and with mldx setup to look at cwskimmer local cluster...looking for band openings on one band while i tune across other bands...also used to access dx operator style who is working a pileup...much easier to 'see' cw pileup and all the calls and figure out is the dx station is tuning up, tuning down or some random walk or sits on one freq for a while...from there i can plan a strategy on where to call...

Config #4 - SDR_IQ setup in VMXP with Spectravue

This does not include Config#1 setup...this setup allows for freq/mode tracking of either the orion or the SDR_IQ with a panadapter type display...i dont use this configuration often

with SDR_IQ setup as 3rd receiver only limited by s/w and imagination

cu
paul K3SF

--- In orion565@yahoogroups.com, "pierre_rothenburger" <f3wt@...> wrote:
>
> Hi Paul,
> Seen your pics of your mod file! Great!
> Question: do you run all this concurrently on a same PC , that is: O1 w.N4PY, SDR-IQ w. PowerSDR-iq (I use a vers. from SV1EIA), CW-skimmer, N2MM and may be even more?
> Thank you.

> 73, Pierre F3WT
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> > > Hi John,
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> > > actual Sub of O1, 1 or even 2 as well with a PMSDR, done by SW) for half
> > > the bucks.
> > > 73
> > > Pierre, F3WT
> > >
> >
>

9464. Re: Transverter with Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-15 19:17:56 UTC
From: k1fpv
Topic: 9442 Message: 9464

Well, maybe that is something that Ten-Tec will be able to rectify by something as simple as a firmware update.

I've got a couple of radios that are already modified for MARS use. I used to belong to Navy MARS but recently applied to Air Force MARS and apparently, the Air Force isn't responding to any new applications. I suspect that MARS may be on the way out with Homeland Security kinda ruling the roost now.

The only reason why I'd like to have MARS ability is that even though I don't often use the upper 300 kHz. of the 2 or 1¾ meters or 70 cm, I prefer using the rig manually(10 Meter IF). The N4PY software gets me there with my Ten-Tec rigs, even though I prefer operating the rig with transverters manually, not via software.

I occasionally use the other rigs to drive my transverters so that I can use all of the 2 MHz. segments.

It may be possible too Sam that Ten-Tec was asked to do it the way that they do by the FCC for type acceptance. Only Ten-Tec can tell us that.

Bill/K1FPV

--- In orion565@yahoogroups.com, Sam W Jacobs CET <Sam@...> wrote:
>
> I could never understand T*T's thinking on this.Â Why put "safety stops" at the beginning and ending of each band ?Â Almost as if they are policing the bands.Â
>
> Don't get me wrong, I could give a rats ass one way or the other, but all the other radios that I've owned would transmit way out of band.Â Some would even transmit in the children's band. (again, I've never transmitted out of band, just pointing this out for the record)
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> Back when COMMERCIAL software programmed radios (not SDR) first came out, ie. Motorola, Maxon, Fujitsu Ten and a few others, it was easy to get into the programming code and once you figured out their secrets (start and stop bits, hexadecimal or binary, delimiters, etc) you could pretty much over-ride their limits.Â In fact, FujiTen communications wrote their mass-distributed programming software in dBase.Â Once I cracked that, I wrote an .EXE program that would go above and below the specs (so that amateur operators could also use these as mobiles / portables).Â Fuji liked the program so much they bought the rights and code from me, lol.Â (no, I haven't analyzed T*T's coding... yet)
>
>
> My point, there is no excuse for an ORION radio not to be able to transmit in the MARS frequency range "out of the box".Â You shouldn't need to buy third party software to do this.Â If someone is stupid enough to transmit there without belonging to the MARS organization then they deserve the book throw at them, but it's not T*T's job to police this by putting in Start and Stop band limits.

>
> Â
> 73 !
>
> Sam
> K3SAM
>
> ps: I understand going past the limits will reduce the output, that's not the topic here.
>
>
> _____
> From: EDEN MCCOLLOUGH <k3afr@...>
> To: orion565@yahoogroups.com
> Sent: Monday, May 13, 2013 6:38 PM
> Subject: [orion565] Re: Transverter with Orion
>
>
>
> Â
> Bill and group.....there is no MARS mod for either the Orion or Orion II.
>
> Butch...K3AFR
>
> [Non-text portions of this message have been removed]
>
>
>
>
> [Non-text portions of this message have been removed]
>

9465. Re: Transverter with Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-15 19:19:16 UTC
From: k1fpv
Topic: 9442 Message: 9465

Well, maybe that is something that Ten-Tec will be able to rectify by something as simple as a firmware update.

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> From: EDEN MCCOLLOUGH <k3afr@...>
> To: orion565@yahoogroups.com
> Sent: Monday, May 13, 2013 6:38 PM
> Subject: [orion565] Re: Transverter with Orion
>
>
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> Bill and group.....there is no MARS mod for either the Orion or Orion II.
>
> Butch...K3AFR
>
> [Non-text portions of this message have been removed]
>
>
>
>
> [Non-text portions of this message have been removed]
>

9466. Orion no audio or transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-15 19:36:40 UTC
From: John Huffman
Topic: 9466 Message: 9466

The last two days I have had an intermittent problem with my Orion 565.
I have no receive audio or just white noise. When this happens no
transmit output over 1 watt. Screen shows proper tuning and mode
selections, but you can't hear anything or only hear white noise.

Any ideas before I send it in?

73 de K1ESE
John

[Non-text portions of this message have been removed]

9467. Re: Orion no audio or transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-15 19:58:58 UTC
From: pa1ap
Topic: 9466 Message: 9467

I assume power off/ on does not fix the issue? Perhaps the cpu battery is end of life.

The usual master reset and normal reset would be a first step. Also which firmware is loaded into 565? While 565 is operational press and hold the menu button until the screen shows the firmware. Any troubles when upgrading the firmware? Did you disable ignore stop on error during upgrade?

Best regards, Onno

--- In orion565@yahoogroups.com, John Huffman <hjohnc@...> wrote:
>
> The last two days I have had an intermittent problem with my Orion 565.
> I have no receive audio or just white noise. When this happens no
> transmit output over 1 watt. Screen shows proper tuning and mode
> selections, but you can't hear anything or only hear white noise.
>
> Any ideas before I send it in?
>
> 73 de K1ESE
> John
>
>
>
> [Non-text portions of this message have been removed]
>

9468. Re: [orion565] Re: Orion no audio or transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-15 20:40:37 UTC
From: John Huffman
Topic: 9466 Message: 9468

Onno -

The firmware is version 3.032 that has been running fine for a few
months. No problem with the firmware.

Did several master resets and battery failure resets.

Put in new battery about 2 months ago.

Thanks in advance,

73 de K1ESE
John

On 5/15/2013 3:58 PM, pa1ap wrote:
>
> I assume power off/ on does not fix the issue? Perhaps the cpu battery
> is end of life.
>
> The usual master reset and normal reset would be a first step. Also
> which firmware is loaded into 565? While 565 is operational press and
> hold the menu button until the screen shows the firmware. Any troubles
> when upgrading the firmware? Did you disable ignore stop on error
> during upgrade?
>
> Best regards, Onno
>
> --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>,
> John Huffman <hjohnc@...> wrote:
> >
> > The last two days I have had an intermittent problem with my Orion 565.
> > I have no receive audio or just white noise. When this happens no
> > transmit output over 1 watt. Screen shows proper tuning and mode
> > selections, but you can't hear anything or only hear white noise.
> >
> > Any ideas before I send it in?
> >
> > 73 de K1ESE
> > John
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>

[Non-text portions of this message have been removed]

9469. Re: Orion no audio or transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-15 23:42:36 UTC
From: N1EU
Topic: 9466 Message: 9469

John, with that 1 watt xmit output, can you hear the Orion tx signal on the correct freq on your K3 and does it sound clean?

No rx output from either main or sub receiver? Can you feed it a strong local signal (key the K3) and hear that through the Orion rx?

Do you have an oscilloscope and can you read schematics or do you prefer to send to the factory for service? There is a schematic index at http://www.tentecwiki.org/doku.php?id=565schemindex

73/GL, Barry N1EU

--- In orion565@yahoogroups.com, John Huffman <hjohnc@...> wrote:
>
> Onno -
>
> The firmware is version 3.032 that has been running fine for a few
> months. No problem with the firmware.
>
> Did several master resets and battery failure resets.
>
> Put in new battery about 2 months ago.
>
> Thanks in advance,
>
> 73 de K1ESE
> John
>
>
> On 5/15/2013 3:58 PM, pa1ap wrote:
> >
> > I assume power off/ on does not fix the issue? Perhaps the cpu battery
> > is end of life.
> >
> > The usual master reset and normal reset would be a first step. Also
> > which firmware is loaded into 565? While 565 is operational press and
> > hold the menu button until the screen shows the firmware. Any troubles
> > when upgrading the firmware? Did you disable ignore stop on error
> > during upgrade?
> >
> > Best regards, Onno
> >
> > --- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>,
> > John Huffman <hjohnc@> wrote:
> > >
> > > The last two days I have had an intermittent problem with my Orion 565.

> > > I have no receive audio or just white noise. When this happens no
> > > transmit output over 1 watt. Screen shows proper tuning and mode
> > > selections, but you can't hear anything or only hear white noise.
> > >
> > > Any ideas before I send it in?
> > >
> > > 73 de K1ESE
> > > John
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> >
>
>
>
> [Non-text portions of this message have been removed]
>

9470. Re: [orion565] Re: Orion no audio or transmit

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-16 12:40:07 UTC
From: John Huffman
Topic: 9466 Message: 9470

Barry -

No scope. I've fixed easy things (had no PTT on fromnt panel mic connection) but looking through schematics for these issues is more than I can bite off. Sending it back to Ten Tec is becoming more likely.

73 de K1ESE
John

On 5/15/2013 7:42 PM, N1EU wrote:
>
> John, with that 1 watt xmit output, can you hear the Orion tx signal
> on the correct freq on your K3 and does it sound clean?
>
> No rx output from either main or sub receiver? Can you feed it a
> strong local signal (key the K3) and hear that through the Orion rx?
>
> Do you have an oscilloscope and can you read schematics or do you
> prefer to send to the factory for service? There is a schematic index
> at http://www.tentecwiki.org/doku.php?id=565schemindex
>
> 73/GL, Barry N1EU
>

[Non-text portions of this message have been removed]

9471. Re: [orion565] Re: 565 Question /Pan-adapter/9mHz etc..

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-16 14:31:25 UTC
From: Chris Pinholster
Topic: 9339 Message: 9471

Hi Paul,
When you use config #3, and using VMXP for cw skimmer, are you using MLDX to log and control the O1? The SDR-IQ with separate antenna, is connected to a Mac via USB? SDR attached to some rf sensing device for protection during transmit?

Sorry for the questions that might have a very obvious answer that I don't see.

And I wouldn't need the new 366 internal receiver?

Thanks, Chris K4WIN

Sent from my iPad

On May 15, 2013, at 8:53 AM, saukp <saukp@...> wrote:

>
> hello pierre
>
> my basic setup is an Imac computer running osx and a Vmware with XP
> with this setup i can run various configurations
>
> Both config #1 and #2 are OSX native, no VMXP required
>
> config #1 - simple
>
> i use maclogger dx(mldx) for logging and basic rig control(freq and mode and split and of course logging, cluster monitoring) of the orion......rig control is not as complete as N4PY s/w but good enough for me.
>
> Config #2- SDR_IQ as third receiver native OSX
>
> includes config #1 plus running SdrDX for operations of the SDR-IQ as the third receiver... this setup allows for multiple features , like seeing the pileup and finding a clear spot, or listening/looking on other bands for openings while in a pileup on another band.. i do use a headset where i listen to main receiver in left ear, subreceiver in right ear and the sdr-iq on speaker....
>
> Config #3 - SDR_IQ setup in VMXP with CWSkimmer
>
> Includes config #1 plus VMXP up and running CW skimmer with the SDR-IQ
> and with mldx setup to look at cwskimmer local cluster...looking for band openings on one band while i tune across other bands...also used to access dx operator style who is working a pileup...much easier to 'see' cw pileup and all the calls and figure out is the dx station is tuning up, tuning down or some random walk or sits on one freq for a while...from there i can plan a strategy on where to call...
>

> Config #4 - SDR_IQ setup in VMXP with Spectravue
>
> This does not include Config#1 setup...this setup allows for freq/mode tracking of either the orion or the SDR_IQ with a panadapter type display...i dont use this configuration often
>
> with SDR_IQ setup as 3rd receiver only limited by s/w and imagination
>
> cu
> paul K3SF
>
> --- In orion565@yahoogroups.com, "pierre_rothenburger" <f3wt@...> wrote:
> >
> > Hi Paul,
> > Seen your pics of your mod file! Great!
> > Question: do you run all this concurrently on a same PC , that is: O1 w.N4PY, SDR-IQ w. PowerSDR-iq (I use a vers. from SV1EIA), CW-skimmer, N2MM and may be even more?
> > Thank you.
> > 73, Pierre F3WT
> >
> > --- In orion565@yahoogroups.com, "saukp" <saukp@> wrote:
> > >
> > >
> > > hi...
> > >
> > > I did exactly that and posted the mod in the files section of this group....for details and pictures see file
> > > orion_mod_spare.pdf
> > >
> > >
> > > Paul K3SF
> > >
> > > --- In orion565@yahoogroups.com, f3wt@ wrote:
> > > >
> > > > Hi John,
> > > >
> > > > No need for a RX_366 if it is o n l y for that!
> > > > As described elsewhere to quite some extend, you may insert at the
> > > > entrance of either Main or Sub-RX a PMSDR or similar running SW
> > > > on Flex or the like. You will end-up with 3 receivers (keeping the
> > > > actual Sub of O1, 1 or even 2 as well with a PMSDR, done by SW) for half
> > > > the bucks.
> > > > 73
> > > > Pierre, F3WT
> > > >
> > >
> > >
>
>

[Non-text portions of this message have been removed]

9472. For Sale 250hz CW Filter

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-17 12:59:56 UTC
From: John Huffman
Topic: 9472 Message: 9472

For Sale -

Model 219 - 250hz CW filter for Omni-V, Omni-VI, Orion 1, etc.

Specifications -

Center Frequency 9.000750
6 dB BW, Hz 250
Shape Factor, 6/60 dB 2.4:1
Insertion Loss, dB 10.0
Ultimate Rejection, dB 85+
Z in & out, Ohms 200
Number of Poles 6

$55 including postage. Contact hjohnc at gmail dot com.

73 de K1ESE
John

[Non-text portions of this message have been removed]

9473. Orion 565 no audio or transmit - FIXED

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-17 13:05:06 UTC
From: John Huffman
Topic: 9473 Message: 9473

It appears that I have fixed the no audio or transmit problem. At least for the last 12 hours or so. I will tell the tale in hopes it will help someone else.

I took off the front panel and undid the connectors and cables. I used a small brush to coat the pins with Deoxit. Plugged and unplugged them ten times (thanks Carl N4PY). No joy.

I started on the boards. I unscrew the board, coat the pins of the connector that plugs into the back plane, exercise them 10 times, and screw the board back in.

I started with A9 since I suspected it was a power issue. No joy there.

I next went to the board next to A9 on the bottom towards the front. No joy. Flipped the radio over.

Did the front left board (IF?). No joy.

Did the right front board (under the speaker). It's alive!!!

The problem had progressed by that time so that it only took a short while for the problem to appear if it was not already there when you first turn it on. Thus, I could test after each board cleaning.

As usual with my troubleshooting, I don't know what that board does or why it caused the problem. But, I did the things I could that were within my abilities and many times that works. Anyone know what that board does?????

I'm just hoping that I won't have to take all this back if the problem reappears. If it does, my troubleshooting will be limited the boxing it up and sending it to Ten Tec.

Many thanks for the interest and suggestions from the folks here. Without that support I would probably have just boxed it up to begin with.

73 de K1ESE
John

9474. Re: 565 Question /Pan-adapter/9mHz etc..

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-17 15:17:01 UTC
From: saukp
Topic: 9339 Message: 9474

hi chris

My mod is NOT a 9mhz mode .. but is the antenna mod to spare rca..

FYI
My mod shares the orion's subreceiver antenna and brings it out to the spare rca jack in the back of the orion.. I chose the spare receiver antenna so as to minimize impact on the main receiver and to use the internal antenna switching of the Orion.

Now to your questions
Question #1
When you use config #3, and using VMXP for cw skimmer, are you using MLDX to log and control the O1?

short answer...yes...

long answer
Yes...that way i can use the cluster/spot panel of mldx that is now connected to the cwskimmer cluster of the sdr-iq..click on the spot the sdr-iq/cwskimmer generates and the orion goes there..

great for search and pounce in cw contest or when the bands are active

also

cwskimmer can be searching across 10m cw while i search across 12m manually....or any other band mixture..this has help maximize my radio facetime

question #2
The SDR-IQ with separate antenna, is connected to a Mac via USB?

NO...The Sdr-iq is connected thru the Orion to the antenna system so the orion needs to be ON...

Yes...the sdr_iq is connected directly to Mac via usb and not thru a usb hub...
i have had issues using the SDR-IQ thru a usb hub...mostly a power issue for it and most powered usb hub have generated lotta rf noise due to cheap switching powersupply wall warts..

also need to install the ftdi driver for the sdr-iq to be recognized on the usb port

Question #3
SDR attached to some rf sensing device for protection during transmit?

Sort of... i use passive device and not a rf sensed switch as antenna switching is done by the orion...
.
I use an ICE model 196 RF limiter as the passive device to limit rf sensed by the

SDR-IQ...it keeps it from being overloaded....even when running the amp here
.

right now i am using a single coax from the remote antenna relay switch box connected to the antenna farm
BUT
Future updates to the shack will be a topten sixpac to bring back two coax lines from antenna farm so i can use the ANT1 and ANT1 and RX ANT ports of the orion and the orion's built-in antenna switch matrix
this will allow for a wide range of antenna configurations to be used by all the receivers of the orion and the sdr-iq...this will allow the SDR-IQ to be using a different antenna than the orion and since the sixpac has interlock switching i wont accidentally select the same antenna as the orion and transmit into the sdr-iq

regarding 'needing' the rx366 receiver...most hams always need the latest and greats...my orion II does have the rx366 with all filters...plan there is for better diversity reception when the sixpac goes on line..

hope i answered you questions well enough

Paul K3SF

--- In orion565@yahoogroups.com, Chris Pinholster <k4win@...> wrote:
>
> Hi Paul,
> When you use config #3, and using VMXP for cw skimmer, are you using MLDX to log and control the O1? The SDR-IQ with separate antenna, is connected to a Mac via USB? SDR attached to some rf sensing device for protection during transmit?
>
> Sorry for the questions that might have a very obvious answer that I don't see.
>
> And I wouldn't need the new 366 internal receiver?
>
> Thanks, Chris K4WIN
>
> Sent from my iPad
>
> On May 15, 2013, at 8:53 AM, saukp <saukp@...> wrote:
>
> >
> > hello pierre
> >
> > my basic setup is an Imac computer running osx and a Vmware with XP
> > with this setup i can run various configurations
> >
> > Both config #1 and #2 are OSX native, no VMXP required
> >
> > config #1 - simple
> >
> > i use maclogger dx(mldx) for logging and basic rig control(freq and mode and split and of course logging, cluster monitoring) of the orion......rig control is not as complete as N4PY s/w but good enough for me.

> >
> > Config #2- SDR_IQ as third receiver native OSX
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> > includes config #1 plus running SdrDX for operations of the SDR-IQ as the third receiver... this setup allows for multiple features , like seeing the pileup and finding a clear spot, or listening/looking on other bands for openings while in a pileup on another band.. i do use a headset where i listen to main receiver in left ear, subreceiver in right ear and the sdr-iq on speaker....
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> > Config #3 - SDR_IQ setup in VMXP with CWSkimmer
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> > Includes config #1 plus VMXP up and running CW skimmer with the SDR-IQ
> > and with mldx setup to look at cwskimmer local cluster...looking for band openings on one band while i tune across other bands...also used to access dx operator style who is working a pileup...much easier to 'see' cw pileup and all the calls and figure out is the dx station is tuning up, tuning down or some random walk or sits on one freq for a while...from there i can plan a strategy on where to call...
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> > with SDR_IQ setup as 3rd receiver only limited by s/w and imagination
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> > --- In orion565@yahoogroups.com, "pierre_rothenburger" <f3wt@> wrote:
> > >
> > > Hi Paul,
> > > Seen your pics of your mod file! Great!
> > > Question: do you run all this concurrently on a same PC , that is: O1 w.N4PY, SDR-IQ w. PowerSDR-iq (I use a vers. from SV1EIA), CW-skimmer, N2MM and may be even more?
> > > Thank you.
> > > 73, Pierre F3WT
> > >
> > > --- In orion565@yahoogroups.com, "saukp" <saukp@> wrote:
> > > >
> > > >
> > > > hi...
> > > >
> > > > I did exactly that and posted the mod in the files section of this group....for details and pictures see file
> > > > orion_mod_spare.pdf
> > > >
> > > >
> > > > Paul K3SF
> > > >

> > > > --- In orion565@yahoogroups.com, f3wt@ wrote:
> > > > >
> > > > > Hi John,
> > > > >
> > > > > No need for a RX_366 if it is o n l y for that!
> > > > > As described elsewhere to quite some extend, you may insert at the
> > > > > entrance of either Main or Sub-RX a PMSDR or similar running SW
> > > > > on Flex or the like. You will end-up with 3 receivers (keeping the
> > > > > actual Sub of O1, 1 or even 2 as well with a PMSDR, done by SW) for half
> > > > > the bucks.
> > > > > 73
> > > > > Pierre, F3WT
> > > > >
> > > >
> > > >
> > >
> > >
>
> [Non-text portions of this message have been removed]
>

9475. Re: 565 Question /Pan-adapter/9mHz etc..

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-18 14:17:45 UTC
From: Pierre Rothenburger, F3WT
Topic: 9339 Message: 9475

Hi Paul,

Let me thank you for your direct answer to me a couple of days ago. But also for the one to Chris (K4WIN) with your additional infos in there.
Very interesting. I can follow your explanations. All the more so I use OSX es MLDX as well (on a MacMini).
For latter to control your O1 you do use yr said USB/serial adapter , do you?
Thank you again.
73
Pierre, F3WT

9476. Re: For Sale 250hz CW Filter SOLD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-18 15:53:39 UTC
From: John Huffman
Topic: 9472 Message: 9476

The filter has been sold.

On 5/17/2013 8:59 AM, John Huffman wrote:
> For Sale -
>
> Model 219 - 250hz CW filter for Omni-V, Omni-VI, Orion 1, etc.

[Non-text portions of this message have been removed]

9477. Re: 565 Question /Pan-adapter/9mHz etc..

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-18 19:34:25 UTC
From: saukp
Topic: 9339 Message: 9477

hello Pierre

for Control of the Orion, I do use a usb/serial adapter that has the prolific pl-2303 chip set.

Drivers can be found here
http://prolificusa.com/pl-2303hx-drivers/

paul K3SF

--- In orion565@yahoogroups.com, "Pierre Rothenburger, F3WT" <f3wt@...> wrote:
>
> Hi Paul,
>
> Let me thank you for your direct answer to me a couple of days ago. But also for the one to Chris (K4WIN) with your additional infos in there.
> Very interesting. I can follow your explanations. All the more so I use OSX es MLDX as well (on a MacMini).
> For latter to control your O1 you do use yr said USB/serial adapter , do you?
> Thank you again.
> 73
> Pierre, F3WT
>

9478. New blue LCD seems to work better

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-18 19:37:06 UTC
From: Stan
Topic: 9478 Message: 9478

I have had quite an odyssey getting a new LCD in the Orion. I ordered one, installed it, and got a blank, backlit screen. Called and discussed it with Paul, who sent a second LCD. Still a blank, backlit screen. At this point I was afraid there might be a problem with my logic board, so I sent the Orion and the two LCDs to Sevierville. It turned out that both of the LCDs they sent were defective. They installed another one and all is fine.

I did notice when I was installing the new ones that they now have slightly different part number from the one shown in Ohno's photos of his installation. And, the good news is that the white background now seems to work without the flicker several people have mentioned. I have uploaded photos of the new LCD to the Orion White Lines album on the Yahoo groups site. Unfortunately my camera is making the blue look more washed out than it is, but I hope you can see that the new LCD looks good with both the blue background and the white background.

73,

Stan, W4AG

[Non-text portions of this message have been removed]

9479. Re: New blue LCD seems to work better

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-18 20:40:52 UTC
From: pa1ap
Topic: 9478 Message: 9479

Sound like a scary experience and what are the odds to have two defective displays... Good news it got resolved and even better that the flicker isn't noticeable anymore!

Enjoy your new display. Best regards, Onno

--- In orion565@yahoogroups.com, "Stan" <w4ag@...> wrote:
>
> I have had quite an odyssey getting a new LCD in the Orion.
> I ordered one, installed it, and got a blank, backlit
> screen. Called and discussed it with Paul, who sent a second
> LCD. Still a blank, backlit screen. At this point I was
> afraid there might be a problem with my logic board, so I
> sent the Orion and the two LCDs to Sevierville. It turned
> out that both of the LCDs they sent were defective. They
> installed another one and all is fine.
>
>
>
> I did notice when I was installing the new ones that they
> now have slightly different part number from the one shown
> in Ohno's photos of his installation. And, the good news is
> that the white background now seems to work without the
> flicker several people have mentioned. I have uploaded
> photos of the new LCD to the Orion White Lines album on the
> Yahoo groups site. Unfortunately my camera is making the
> blue look more washed out than it is, but I hope you can see
> that the new LCD looks good with both the blue background
> and the white background.
>
>
>
> 73,
>
> Stan, W4AG
>
>
>
> [Non-text portions of this message have been removed]
>

9480. RE: Orion 565 blue lcd

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-19 00:34:27 UTC
From: Stan
Topic: 9480 Message: 9480

Chas,

I can't find the original invoice for just the LCD, which I think I returned to TT with the defective LCDs. The total labor cost for a new LCD and a new battery was $159, so the LCD alone must be something like $145-150.

73,
Stan, W4AG

-----Original Message-----
From: notify@yahoogroups.com [mailto:notify@yahoogroups.com]
On Behalf Of chasnels@...
Sent: Saturday, May 18, 2013 5:11 PM
To: Stan
Subject: Orion 565 blue lcd

Hello Stan.

The new blue lcd looks good. How much is Ten-Tec charging for the lcd module now?

Chas, N4FW

9481. RE: [orion565] RE: Orion 565 blue lcd

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-19 02:35:12 UTC
From: Stan
Topic: 9480 Message: 9481

I meant the total parts cost, not the labor, which of course
was more.

From: orion565@yahoogroups.com
[mailto:orion565@yahoogroups.com] On Behalf Of Stan
Sent: Saturday, May 18, 2013 8:34 PM
To: chasnels@...; orion565@yahoogroups.com
Subject: [orion565] RE: Orion 565 blue lcd

Chas,

I can't find the original invoice for just the LCD, which I
think I returned to TT with the defective LCDs. The total
labor cost for a new LCD and a new battery was $159, so the
LCD alone must be something like $145-150.

73,
Stan, W4AG

-----Original Message-----
From: notify@yahoogroups.com
<mailto:notify%40yahoogroups.com>
[mailto:notify@yahoogroups.com
<mailto:notify%40yahoogroups.com>]
On Behalf Of chasnels@...
<mailto:chasnels%40bellsouth.net>
Sent: Saturday, May 18, 2013 5:11 PM
To: Stan
Subject: Orion 565 blue lcd

Hello Stan.

The new blue lcd looks good. How much is Ten-Tec charging
for the lcd module now?

Chas, N4FW

[Non-text portions of this message have been removed]

9482. FS: TEN-TEC ORION-I 565 AT (with tuner) HF transceiver and filters

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-20 02:29:09 UTC
From: john_ke5c
Topic: 9482 Message: 9482

Reply off-list, thank you.

Please see http://www.ke5c.net/eb/orion/ for full information including price, history, shipping, and payment.

73--john

9483. Orion VFO encoder tuning shaft length?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-20 20:43:02 UTC
From: chasnels@bellsouth.net
Topic: 9483 Message: 9483

Anyone know the length of the VFO encoder tuning shaft?

Chas, N4FW

9484. Re: [orion565] Orion VFO encoder tuning shaft length?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-20 21:16:10 UTC
From: Bert Beyt
Topic: 9483 Message: 9484

Chas,

The VFO encoder shaft length is three quarters of an inch long out the end of the encoder. The total effective lenght past the nut (which rests on the inside of the front panel) is one inch long.

73 Bert W5ZR

on May 20, 2013, chasnels@... <chasnels@...> wrote:
>
Anyone know the length of the VFO encoder tuning shaft?
>
>Chas, N4FW
>
>

>

9485. Re: Orion VFO encoder tuning shaft length?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-20 22:13:36 UTC
From: chasnels@bellsouth.net
Topic: 9483 Message: 9485

Thanks for the info, Bert. My VFO A encoder is acting flakey. I was hoping it would be half an inch because I have a spare Bourn encoder with a 0.5 inch shaft. I guess I'll have to order one from Ten-Tec.

73 de Chas, N4FW

--- In orion565@yahoogroups.com, Bert Beyt <w5zr@...> wrote:
>
> Chas,
>
> The VFO encoder shaft length is three quarters of an inch long out the end of the encoder.
> The total effective lenght past the nut (which rests on the inside of the front panel) is one inch long.
>
> 73 Bert W5ZR

9486. Orion 2 rear key jack

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-21 09:54:49 UTC
From: N1EU
Topic: 9486 Message: 9486

I just picked up an Orion 2 and I can't seem to get the rear key jack to work. Front 1/4in jack works fine. I'm using the same 3.5mm adapter in the rear that I use successfully on my 565. Any suggestions appreciated.

Thanks & 73,
Barry N1EU

9487. Re: [orion565] Orion 2 rear key jack

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-21 10:26:50 UTC
From: Jerry Rogers
Topic: 9486 Message: 9487

Looking at the manual says the rear key jack is wired in parallel with the front. I use two keys plugged into my Orion II, and both work. I will doing some checking on mine, but the only thing I had to do was use a reducer plug on the rear.

I would check the 1/4 to 1/8 reducer plug first.

Jerry, ki4ps

On May 21, 2013, at 5:54 AM, N1EU <barry.n1eu@...> wrote:

> I just picked up an Orion 2 and I can't seem to get the rear key jack to work. Front 1/4in jack works fine. I'm using the same 3.5mm adapter in the rear that I use successfully on my 565. Any suggestions appreciated.
>
> Thanks & 73,
> Barry N1EU
>
>

[Non-text portions of this message have been removed]

9488. Orion II NB

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-21 23:35:17 UTC
From: ac8ir
Topic: 9488 Message: 9488

I am new to the Orion II (I have had the rig for a couple of months and bought it used).

Everything works extremely well except the noise blanker. It doesn't seem to do anything. I have read the manual and searched the net for any info regarding this but I haven't anything as of yet.

Anyone have any ideas?

It is a stock rig with 3.026 firmware.

Thanks in advance

Mike AC8IR

9489. Re: Orion II NB

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-22 00:30:03 UTC
From: orion565-owner@yahoogroups.com
Topic: 9488 Message: 9489

Mike,

Open the bandwidth and use a little wider roofing filter. You will see an improvement. You may also want to try some DSP noise reduction as well.

It should help as you vary the noise blanker settings. You may get the best results with the hardware blanker. You can work the two blankers together, and try to find a low distortion setting.

73,

Mike
W2AJI

--- In orion565@yahoogroups.com, "ac8ir" <midirat1255@...> wrote:
>
> I am new to the Orion II (I have had the rig for a couple of months and bought it used).
>
> Everything works extremely well except the noise blanker. It doesn't seem to do anything. I have read the manual and searched the net for any info regarding this but I haven't anything as of yet.
>
> Anyone have any ideas?
>
> It is a stock rig with 3.026 firmware.
>
> Thanks in advance
>
> Mike AC8IR
>

9490. Re: Orion II NB

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-22 00:38:56 UTC
From: k1fpv
Topic: 9488 Message: 9490

Hi Mike,

I too bought a used Orion II but I bought mine several years ago. I love it! I suspect you are using the digital noise blanker. Use the one in the receiver menu. It is a hardware noise blanker and much more effective than the digital blanker.

Good luck with your Orion II. I know you will like it. I often use mine on PSK31, crank in the 300 HZ. roofing filter and then bring the bandwidth down and rarely miss a letter of print.

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "ac8ir" <midirat1255@...> wrote:
>
> I am new to the Orion II (I have had the rig for a couple of months and bought it used).
>
> Everything works extremely well except the noise blanker. It doesn't seem to do anything. I have read the manual and searched the net for any info regarding this but I haven't anything as of yet.
>
> Anyone have any ideas?
>
> It is a stock rig with 3.026 firmware.
>
> Thanks in advance
>
> Mike AC8IR
>

9491. Re: [orion565] Re: Orion II NB

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-22 10:39:23 UTC
From: Barry N1EU
Topic: 9488 Message: 9491

On Wed, May 22, 2013 at 12:38 AM, k1fpv <k1fpv@...> wrote:

> **
>
>
> Use the one in the receiver menu. It is a hardware noise blanker and much
> more effective than the digital blanker.
>
> Yes, I find the Orion hardware noise blanker excellent. FYI, you don't
need to go into the receiver menu to turn it on/off. Just push and hold
the NB button and it will toggle the state of Hardware NB.

73, Barry N1EU

[Non-text portions of this message have been removed]

9492. Anybody using the keying loop with Acom 2000A?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-22 11:55:38 UTC
From: Barry N1EU
Topic: 9492 Message: 9492

I'm using a 565 and a 566 with Acom 2000A amplifer. Several months ago, I started having issues with receive not coming back after a xmsn when using the Keying Loop (TX OUT/TX EN). As a result, I switched to just using AMP KEY between the Orion and 2000A. Previous to this issue arising, I had been using the Keying Loop for 8 years without incident.

My Keying Loop problem is either in the 2000A or in the v3 firmware. To rule out a firmware issue, I'd appreciate hearing whether other v3 565/566 users out there are successfully using the Keying Loop with an Acom 2000A.

Thanks & 73,
Barry N1EU

[Non-text portions of this message have been removed]

9493. Re: [orion565] Orion II NB

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-22 16:20:29 UTC
From: Jerry Rogers
Topic: 9488 Message: 9493

No need going into the menu. Just hold the NB button for several seconds, and the hardware version will appear. Likewise hold it again, and it will toggle back to the software NB.

Just like the SAF, you can toggle back and forth from notch to SAF by holding the button several seconds.

Jerry, ki4ps

On May 22, 2013, at 6:39 AM, Barry N1EU <barry.n1eu@...> wrote:

> On Wed, May 22, 2013 at 12:38 AM, k1fpv <k1fpv@...> wrote:
>
> > **
> >
> >
> > Use the one in the receiver menu. It is a hardware noise blanker and much
> > more effective than the digital blanker.
> >
> > Yes, I find the Orion hardware noise blanker excellent. FYI, you don't
> need to go into the receiver menu to turn it on/off. Just push and hold
> the NB button and it will toggle the state of Hardware NB.
>
> 73, Barry N1EU
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

9494. Here I Go Again!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-24 20:41:19 UTC
From: k1fpv
Topic: 9494 Message: 9494

GREAT! :-(Right in the middle of a PSK31 QSO, my Orion II receiver went on the FRITZ again! This time, I seemed to lose the receiver. I get white noise from the speaker and volume control works fine but no signals. The crazy thing is I can still see stations on with the sweep scope. At least that will eliminate a bunch of areas to look at.

Anyone else ever have this problem? Hopefully save me some time trouble shooting the receiver section.

Bill/K1FPV

9495. Orion trim pot adjustment

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-26 15:10:44 UTC
From: Barry N1EU
Topic: 9495 Message: 9495

Can anybody tell me what Orion adjustment is controlled by the trim pot that is accessible through the hole in the top directly behind the front panel (in line with "audio" button"), with the top cover removed?

Thanks & 73,
Barry N1EU

[Non-text portions of this message have been removed]

9496. RE: [orion565] Orion trim pot adjustment

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-26 15:19:29 UTC
From: Wes Attaway (N5WA)
Topic: 9495 Message: 9496

I consulted with my expert and she said that you'll just have to turn it to find out.

---------- Wes Attaway (N5WA) ----------
1138 Waters Edge Circle, Shreveport, LA 71106
318-797-4972 (Office) - 318-393-3289 (Cell)
Computer Consulting and Forensics
---------- EnCase Certified Examiner ----------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Sunday, May 26, 2013 10:11 AM
To: Orion565; Discussion of Ten-Tec Equipment
Subject: [orion565] Orion trim pot adjustment

Can anybody tell me what Orion adjustment is controlled by the trim pot that is accessible through the hole in the top directly behind the front panel (in line with "audio" button"), with the top cover removed?

Thanks & 73,
Barry N1EU

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9497. HI Cut - LO Cut

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-27 00:20:41 UTC
From: ki4ps
Topic: 9497 Message: 9497

Low cut works like the manual indicates. The Hi cut only changes the BW, just like the BW/PBT knob.

Not sure if one of the firmware upgrades changed the way it work, or in this case does not work as per the manual.

So to clarify my comments the BW and PBT work. The LO Cut works, but the HI Cut only changes the BW. NO different than adjusting the regular BW.

Jerry
ki4ps

9498. Re: [orion565] HI Cut - LO Cut

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-27 00:28:26 UTC
From: Jim Koshmider
Topic: 9497 Message: 9498

Which version of firmware are you using...?

73,

Jim, K8OZ

From: ki4ps <ki4ps@...m>
To: orion565@yahoogroups.com
Sent: Sunday, May 26, 2013 6:20 PM
Subject: [orion565] HI Cut - LO Cut

Low cut works like the manual indicates. The Hi cut only changes the BW, just like the BW/PBT knob.

Not sure if one of the firmware upgrades changed the way it work, or in this case does not work as per the manual.

So to clarify my comments the BW and PBT work. The LO Cut works, but the HI Cut only changes the BW. NO different than adjusting the regular BW.

Jerry
ki4ps

[Non-text portions of this message have been removed]

9499. Hi Cut - LO Cut

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-27 00:44:37 UTC
From: ki4ps
Topic: 9499 Message: 9499

I'm using the latest for the Orion II.

I just reread John Henry's comments dated 2012 on the following site.

http://www.tentecwiki.org/doku.php?id=565hilowcut

It seems the Hi cut works just like the BW so I see no need to select it.

Jerry, ki4ps

9500. Boot up/Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-27 18:20:55 UTC
From: Skip K3CC
Topic: 9500 Message: 9500

In the last week I have been having a problem with my Orion I
When I press the power switch the Orion goes into reset mode
Ver 3.032 firmware. I turn the Orion off and press the power switch
on agn and the radio boots up but the Volume control doesn't
work. If I tap on it it will come to life. all other encoders are fine

de Skip Any Ideas

Skip Kauffman
ARS K3CC
EC ARES Potter CO, PA
www.k3cc.net

[Non-text portions of this message have been removed]

9501. RE: [orion565] Boot up/Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-27 22:48:30 UTC
From: Bill Sepulveda
Topic: 9500 Message: 9501

Sounds like you need a new memory batter. I had the same issue until I changed the memory battery.

Tnx,

Bill, K5LN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Skip K3CC
Sent: Monday, May 27, 2013 1:21 PM
To: orion565@yahoogroups.com
Subject: [orion565] Boot up/Orion 565

In the last week I have been having a problem with my Orion I
When I press the power switch the Orion goes into reset mode
Ver 3.032 firmware. I turn the Orion off and press the power switch
on agn and the radio boots up but the Volume control doesn't
work. If I tap on it it will come to life. all other encoders are fine

de Skip Any Ideas

Skip Kauffman
ARS K3CC
EC ARES Potter CO, PA
www.k3cc.net

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9502. Orion 565 TX audio dropping out

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-28 01:21:32 UTC
From: hummerham
Topic: 9502 Message: 9502

I am having a problem with my 565 TX audio dropping out in mid sentence. I can be talking along and all of a sudden there is no modulation. I can unkey and key up a couple of times and it comes right back. I can also put a CW tone on and it transmits it at full power during the 'audio drop out'. I have changed mics and it still does the same thing. Has anyone had this experience, or does anyone have any ideas ?? Thanks in advance for any help.

73,
Butch...K3AFR

9503. Re: Orion 565 TX audio dropping out

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-28 16:18:37 UTC
From: Mike Thornton
Topic: 9502 Message: 9503

I had a similar problem. I run my mic through a TT 715 RF Speech Processor and then into my 565. My audio was dropping out and I found that unplugging and re-plugging the audio cable from the back of the 715 into the 565 would clear it up. I think standard audio plugs just need to be re-set from time to time. They seem to develop a film or something on them. This may not be your exact issue, but check all of your audio plugs/jacks.
73,
Mike, WC0L

[Non-text portions of this message have been removed]

9504. Re: Orion 565 TX audio dropping out

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-28 17:28:14 UTC
From: pa1ap
Topic: 9502 Message: 9504

weird challenge...

Couple of questions / idea's you might want to investigate:

1) Are you using any external (audio) related devices? Such as sound card connection for WSPR, RTTY etc. mode?

2) How is the audio setting for mic? Is it set to both, aux or mic?

3) Do you have any remote control software connected through serial connection and if so, which program is used?

4) Does the problem still occur if you disconnect all possible cables except power, antenna and mice (of course)?

5) how often does this happen?

6) in case it happens every 30 seconds (or shorter) could you use the long voice memory (send 3?) and confirm you can make a perfect recording for longer period? And if so, when playing the voice memory does the sound continue as expected?

7) if you enable monitor and observe your own voice does the interrupt also come through the monitor?

8) if you key through the aux port does the mic sound still brake?

On what could be wrong there are several things coming to mind;

1) leaky capacitor in the mic circuit

2) issue with PTT switch circuit

3) firmware -> did you install the firmware with "ignore stop on error"? Some do and it just works but there is no way to confirm the complete firmware got installed correctly...

In case you have an oscilloscope you could connect the probe to the PTT pin on the mic to trace the dc signal. If there is anything wrong it would show on the scope trace.

Hope this helps and please share your findings.

Best regards, Onno

--- In orion565@yahoogroups.com, "hummerham" <k3afr@...> wrote:
>
> I am having a problem with my 565 TX audio dropping out in mid sentence. I can be talking along and all of a sudden there is no modulation. I can unkey and key up a couple of times and it comes right back. I can also put a CW tone on and it transmits it at full power during the 'audio drop out'. I have changed mics and it still does the same thing. Has anyone had this experience, or does anyone have any ideas ?? Thanks in advance for any

help.
>
> 73,
> Butch...K3AFR
>

9505. Re: Orion 565 TX audio dropping out

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-28 18:52:32 UTC
From: EDEN MCCOLLOUGH
Topic: 9502 Message: 9505

Hello Onno,
Thank you for the questions, suggestions, and ideas.

Firsrt of all, I am running firmware version 3.032. I did do a fresh reload of that firmware, did a Ram Clear, and Master Reset as per TT instructions. The problem still exists.

TX audio source is 'MIC"

The frequency of episodes is random. It will occur perhaps two or three times during an evening QSO of say a couple of hours. Then some evenings it does not do it at all. It lasts only a few seconds or until I unkey and re-key the microphone. So far I have only noticed it on 160 meters.

I do not use any external audio devices, although I did have the serial cable connected to my computer for firmware upgrades and for occasional use with HRD software. I have not had any of that software running during these audio drop out episodes though.

I have as I mentioned, changed mics and still have the problem. I used some deoxit on the mic connectors both on the mic cable and on the radio.

I just now have disconnected the serial cable and will see if that solves the problem. Other than that cable, there are no outside influences on the radio.

I wonder if possibly it could just be a bad or loose connection on the inside of the radio at the back of the mic connector. It is a very intermitant problem and only lasts for a few seconds and so is pretty hard to diagnose. I do not have a O scope. I have noticed that there is no ALC light flash when I am talking during the drop out. I will try the 'monitor' function also now to see if I hear myself during an episode.

I have as mentioned, switched to CW and put out a tone and that is being transmitted.

I will continue to try things and monitor the situation and let the group know what I find....if anything. In the meantime...if anyone has any other suggestions, I would be glad to hear them....

Thanks again to all,
73,
Butch...K3AFR

[Non-text portions of this message have been removed]

9506. Re: Orion 565 TX audio dropping out

Yahoo group: orion565 (2009 — 2013)
Date: 2013-05-28 20:50:05 UTC
From: pa1ap
Topic: 9502 Message: 9506

This will be a tuff issue to crack. With its random behavior you need to be lucky enough to find the root cause.

Indeed enable monitor when it happens while not releasing the mic key... This might give some further indication

Second if you can use the aux mic input on the back (or at least wire it) you can use this as second mic input... When the front mic fails... connect the second mic to back and see if that works.

Third; wire the aux port PTT key pin to control TX. When you notice the signal drop activate the aux port PTT key pin too... See if that gives a different behavior.

Fourth: when you observe the audio drop... activate vox and see if that "fixes" the issue.

Last but not least; make a recording in the long voice memory. And when you notice the issue activate the voice memory... If that activates the rig as expected you know that the internals are working well but something else is broken.

Somehow the issue seems related to the mic circuit and/or the ptt circuit... Several ways to check those with different functions as suggested above.

Good luck and I hope you can find the root cause soon.

Best regards, Onno

--- In orion565@yahoogroups.com, "EDEN MCCOLLOUGH" <k3afr@...> wrote:
>
> Hello Onno,
> Thank you for the questions, suggestions, and ideas.
>
> Firsrt of all, I am running firmware version 3.032. I did do a fresh reload of that firmware, did a Ram Clear, and Master Reset as per TT instructions. The problem still exists.
>
> TX audio source is 'MIC"
>
> The frequency of episodes is random. It will occur perhaps two or three times during an evening QSO of say a couple of hours. Then some evenings it does not do it at all. It lasts only a few seconds or until I unkey and re-key the microphone. So far I have only noticed it on 160 meters.
>
> I do not use any external audio devices, although I did have the serial cable connected to my computer for firmware upgrades and for occasional use with HRD software. I have not had any of that software running during these audio drop out episodes though.
>
> I have as I mentioned, changed mics and still have the problem. I used some deoxit on the

mic connectors both on the mic cable and on the radio.
>
> I just now have disconnected the serial cable and will see if that solves the problem. Other than that cable, there are no outside influences on the radio.
>
> I wonder if possibly it could just be a bad or loose connection on the inside of the radio at the back of the mic connector. It is a very intermitant problem and only lasts for a few seconds and so is pretty hard to diagnose. I do not have a O scope. I have noticed that there is no ALC light flash when I am talking during the drop out. I will try the 'monitor' function also now to see if I hear myself during an episode.
>
> I have as mentioned, switched to CW and put out a tone and that is being transmitted.
>
> I will continue to try things and monitor the situation and let the group know what I find....if anything. In the meantime...if anyone has any other suggestions, I would be glad to hear them....
>
> Thanks again to all,
> 73,
> Butch...K3AFR
>
>
>
>
> [Non-text portions of this message have been removed]
>

9507. SQL question

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-01 11:12:09 UTC
From: wolobmp
Topic: 9507 Message: 9507

Hello all. I've recently purchased the Orion II and really enjoy this fine rig, and have read the manual but I'm unclear as to where/how to active/control is for the squelch. I read it has these on both main and sub recv, but not clear as to where this control is. Otherwise, I'm really enjoying this radio.
73
Mike

9508. Re: [orion565] SQL question

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-01 11:23:09 UTC
From: Jerry Rogers
Topic: 9507 Message: 9508

Mike: Select Menu, then RX, and scroll down to the main RX sql. There you will see a default of -127 dBm. Move the curser down to it and adjust. You can also set the Sub receiver.

Jerry, ki4ps

On Jun 1, 2013, at 7:12 AM, "wolobmp" <wolobmp@...> wrote:

> Hello all. I've recently purchased the Orion II and really enjoy this fine rig, and have read the manual but I'm unclear as to where/how to active/control is for the squelch. I read it has these on both main and sub recv, but not clear as to where this control is.
> Otherwise, I'm really enjoying this radio.
> 73
> Mike
>
>

[Non-text portions of this message have been removed]

9509. Re: SQL question

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-01 12:14:49 UTC
From: wolobmp
Topic: 9507 Message: 9509

Jerry, thanks for the info....is there a control/knob that can be used to vary this and if not how can you turn this on and off? Is the only way you can have "on and off" is by going thru the menu and adjust till no signal is heard?
Mike

--- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@...> wrote:
>
> Mike: Select Menu, then RX, and scroll down to the main RX sql. There you will see a default of -127 dBm. Move the curser down to it and adjust. You can also set the Sub receiver.
>
> Jerry, ki4ps
>
>
> On Jun 1, 2013, at 7:12 AM, "wolobmp" <wolobmp@...> wrote:
>
> > Hello all. I've recently purchased the Orion II and really enjoy this fine rig, and have read the manual but I'm unclear as to where/how to active/control is for the squelch. I read it has these on both main and sub recv, but not clear as to where this control is.
> > Otherwise, I'm really enjoying this radio.
> > 73
> > Mike
> >
> >
>
>
>
> [Non-text portions of this message have been removed]
>

9510. Re: [orion565] Re: SQL question

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-01 13:14:53 UTC
From: Jerry Rogers
Topic: 9507 Message: 9510

The only knob is the Multi Knob. You can find the info in the manual on page 33.

This is not as nice as it is on my Omni VII, but the Orion II is a fine radio. My Eagle is also a great radio.

Good Luck

Jerry, ki4ps

On Jun 1, 2013, at 8:14 AM, "wolobmp" <wolobmp@...> wrote:

> Jerry, thanks for the info....is there a control/knob that can be used to vary this and if not how can you turn this on and off? Is the only way you can have "on and off" is by going thru the menu and adjust till no signal is heard?
> Mike
>
> --- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@...> wrote:
> >
> > Mike: Select Menu, then RX, and scroll down to the main RX sql. There you will see a default of -127 dBm. Move the curser down to it and adjust. You can also set the Sub receiver.
> >
> > Jerry, ki4ps
> >
> >
> > On Jun 1, 2013, at 7:12 AM, "wolobmp" <wolobmp@...> wrote:
> >
> > > Hello all. I've recently purchased the Orion II and really enjoy this fine rig, and have read the manual but I'm unclear as to where/how to active/control is for the squelch. I read it has these on both main and sub recv, but not clear as to where this control is.
> > > Otherwise, I'm really enjoying this radio.
> > > 73
> > > Mike
> > >
> > >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>

[Non-text portions of this message have been removed]

9511. 3.033 Update question

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-02 17:13:28 UTC
From: wolobmp
Topic: 9511 Message: 9511

Hello all. Question about the latest update. I have installed this update when powered up stating 3.033 version, coming from 2.98. I have performed a master reset 2 times, and here is my problem.
I have what appears to be no signals present on Sub RX. I had full receive prior to this update.
In the menus: I have Xtal filter: Auto.......Enable 1.8, 600, 300 all set as NO....(I've changed them to yes with no difference). Sub-RX slot 1 at 2.4khz slot 2 at 300hz and slot 3 set at 6khz.
When tuning across the SUB RX a clicking sound is heard as you tune, and an hearing what sound slike static but no signals heard. Also when adjusting PBT I hear what sounds like a clicking sound as well.
The MAIN RX has no issues.
It appears that something is amiss now after this install on the SUB RX only.
Once again a Master Reset was performed and display showed complete.Then asked if the RX366 was installed I stated yes..after which the display went to 14.250Mhz> I also did a Ram clear too.
So all looks like everything installed fine, but the SUB RX is not functioning, and I am thinking there is either a menu setting, toggle, item not enabled, or item that is enabled that shouldn't be.
So, I am at a stand-still at this point in time.
Anyone ?

Thanks in advance for your helping hand,
Mike

9512. Re: [orion565] 3.033 Update question

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-02 17:49:09 UTC
From: Barry N1EU
Topic: 9511 Message: 9512

This might be a dumb question, but did you install the optional upgraded
RX-366 subreceiver in your Orion or do you have the original subreceiver?

Barry N1EU

On Sun, Jun 2, 2013 at 5:13 PM, wolobmp <wolobmp@...> wrote:

> **
>
>
> Hello all. Question about the latest update. I have installed this update
> when powered up stating 3.033 version, coming from 2.98. I have performed a
> master reset 2 times, and here is my problem.
> I have what appears to be no signals present on Sub RX. I had full receive
> prior to this update.
> In the menus: I have Xtal filter: Auto.......Enable 1.8, 600, 300 all set
> as NO....(I've changed them to yes with no difference). Sub-RX slot 1 at
> 2.4khz slot 2 at 300hz and slot 3 set at 6khz.
> When tuning across the SUB RX a clicking sound is heard as you tune, and
> an hearing what sound slike static but no signals heard. Also when
> adjusting PBT I hear what sounds like a clicking sound as well.
> The MAIN RX has no issues.
> It appears that something is amiss now after this install on the SUB RX
> only.
> Once again a Master Reset was performed and display showed complete.Then
> asked if the RX366 was installed I stated yes..after which the display went
> to 14.250Mhz> I also did a Ram clear too.
> So all looks like everything installed fine, but the SUB RX is not
> functioning, and I am thinking there is either a menu setting, toggle, item
> not enabled, or item that is enabled that shouldn't be.
> So, I am at a stand-still at this point in time.
> Anyone ?
>
> Thanks in advance for your helping hand,
> Mike
>
>
>

[Non-text portions of this message have been removed]

9513. Re: 3.033 Update question

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-02 21:57:59 UTC
From: EDEN MCCOLLOUGH
Topic: 9511 Message: 9513

And this is even probably a dumber question......do you have the Orion I or Orion II ? The version 3.03 is only for the Orion II. Just thought I'd ask.

73,
Butch...K3AFR

[Non-text portions of this message have been removed]

9514. Re: 3.033 Update question

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-02 22:00:02 UTC
From: EDEN MCCOLLOUGH
Topic: 9511 Message: 9514

That should have read ver. 3.033

[Non-text portions of this message have been removed]

9515. Re: 3.033 Update question

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-02 22:38:33 UTC
From: wolobmp
Topic: 9511 Message: 9515

Hello,

I have just purchased the Orion II which has the second recvr already installed. Perhaps when it asked me about the sub rx installed I should of said no.

Mike

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> This might be a dumb question, but did you install the optional upgraded
> RX-366 subreceiver in your Orion or do you have the original subreceiver?
>
> Barry N1EU
>
> On Sun, Jun 2, 2013 at 5:13 PM, wolobmp <wolobmp@...> wrote:
>
> > **
> >
> >
> > Hello all. Question about the latest update. I have installed this update
> > when powered up stating 3.033 version, coming from 2.98. I have performed a
> > master reset 2 times, and here is my problem.
> > I have what appears to be no signals present on Sub RX. I had full receive
> > prior to this update.
> > In the menus: I have Xtal filter: Auto.......Enable 1.8, 600, 300 all set
> > as NO....(I've changed them to yes with no difference). Sub-RX slot 1 at
> > 2.4khz slot 2 at 300hz and slot 3 set at 6khz.
> > When tuning across the SUB RX a clicking sound is heard as you tune, and
> > an hearing what sound slike static but no signals heard. Also when
> > adjusting PBT I hear what sounds like a clicking sound as well.
> > The MAIN RX has no issues.
> > It appears that something is amiss now after this install on the SUB RX
> > only.
> > Once again a Master Reset was performed and display showed complete.Then
> > asked if the RX366 was installed I stated yes..after which the display went
> > to 14.250Mhz> I also did a Ram clear too.
> > So all looks like everything installed fine, but the SUB RX is not
> > functioning, and I am thinking there is either a menu setting, toggle, item
> > not enabled, or item that is enabled that shouldn't be.
> > So, I am at a stand-still at this point in time.
> > Anyone ?
> >
> > Thanks in advance for your helping hand,
> > Mike
> >
> >

> >
>
>
> [Non-text portions of this message have been removed]
>

9516. Re: [orion565] 3.033 Update question

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-02 22:48:07 UTC
From: Jerry Rogers
Topic: 9511 Message: 9516

If you have the RX366 sub receiver installed, then you want to answer YES.

If you have the original sub receiver, then you would answer NO.

Jerry, ki4ps

On Jun 2, 2013, at 6:38 PM, wolobmp <wolobmp@...> wrote:

> Hello,
>
> I have just purchased the Orion II which has the second recvr already installed. Perhaps when it asked me about the sub rx installed I should of said no.
>
> Mike
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
> >
> > This might be a dumb question, but did you install the optional upgraded
> > RX-366 subreceiver in your Orion or do you have the original subreceiver?
> >
> > Barry N1EU
> >
> > On Sun, Jun 2, 2013 at 5:13 PM, wolobmp <wolobmp@...> wrote:
> >
> > > **
> > >
> > >
> > > Hello all. Question about the latest update. I have installed this update
> > > when powered up stating 3.033 version, coming from 2.98. I have performed a
> > > master reset 2 times, and here is my problem.
> > > I have what appears to be no signals present on Sub RX. I had full receive
> > > prior to this update.
> > > In the menus: I have Xtal filter: Auto.......Enable 1.8, 600, 300 all set
> > > as NO....(I've changed them to yes with no difference). Sub-RX slot 1 at
> > > 2.4khz slot 2 at 300hz and slot 3 set at 6khz.
> > > When tuning across the SUB RX a clicking sound is heard as you tune, and
> > > an hearing what sound slike static but no signals heard. Also when
> > > adjusting PBT I hear what sounds like a clicking sound as well.
> > > The MAIN RX has no issues.
> > > It appears that something is amiss now after this install on the SUB RX
> > > only.
> > > Once again a Master Reset was performed and display showed complete.Then
> > > asked if the RX366 was installed I stated yes..after which the display went
> > > to 14.250Mhz> I also did a Ram clear too.
> > > So all looks like everything installed fine, but the SUB RX is not
> > > functioning, and I am thinking there is either a menu setting, toggle, item

> > > not enabled, or item that is enabled that shouldn't be.
> > > So, I am at a stand-still at this point in time.
> > > Anyone ?
> > >
> > > Thanks in advance for your helping hand,
> > > Mike
> > >
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> > >
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> >
> > [Non-text portions of this message have been removed]
> >
>
>

[Non-text portions of this message have been removed]

9517. Re: 3.033 Update question

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-02 22:57:49 UTC
From: wolobmp
Topic: 9511 Message: 9517

Hello all...

Update...I did a master reset and this time when asked about the RX366 sub rcvr installed I said NO...and now the sub rcv is full functioning once again.
Thanks to all for the helping hand...
73
Mike
--- In orion565@yahoogroups.com, "wolobmp" <wolobmp@...> wrote:
>
> Hello,
>
> I have just purchased the Orion II which has the second recvr already installed. Perhaps when it asked me about the sub rx installed I should of said no.
>
> Mike
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> >
> > This might be a dumb question, but did you install the optional upgraded
> > RX-366 subreceiver in your Orion or do you have the original subreceiver?
> >
> > Barry N1EU
> >
> > On Sun, Jun 2, 2013 at 5:13 PM, wolobmp <wolobmp@> wrote:
> >
> > > **
> > >
> > >
> > > Hello all. Question about the latest update. I have installed this update
> > > when powered up stating 3.033 version, coming from 2.98. I have performed a
> > > master reset 2 times, and here is my problem.
> > > I have what appears to be no signals present on Sub RX. I had full receive
> > > prior to this update.
> > > In the menus: I have Xtal filter: Auto.......Enable 1.8, 600, 300 all set
> > > as NO....(I've changed them to yes with no difference). Sub-RX slot 1 at
> > > 2.4khz slot 2 at 300hz and slot 3 set at 6khz.
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> > > It appears that something is amiss now after this install on the SUB RX
> > > only.
> > > Once again a Master Reset was performed and display showed complete.Then
> > > asked if the RX366 was installed I stated yes..after which the display went
> > > to 14.250Mhz> I also did a Ram clear too.

> > > So all looks like everything installed fine, but the SUB RX is not
> > > functioning, and I am thinking there is either a menu setting, toggle, item
> > > not enabled, or item that is enabled that shouldn't be.
> > > So, I am at a stand-still at this point in time.
> > > Anyone ?
> > >
> > > Thanks in advance for your helping hand,
> > > Mike
> > >
> > >
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> >
> > [Non-text portions of this message have been removed]
> >
>

9518. Re: 3.033 Update question

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-02 23:17:39 UTC
From: wolobmp
Topic: 9511 Message: 9518

Hello all.....one last comment........
Also I have noticed that when tuning across the SUB RX I still detect sound like a slight increase in noise, hard to describe, but maybe encoder noise or something similar while tuning every revolution of the vfo knob exhibits this sound...just not sure what it is...this is NOT present on the MAIN RX.

Mike

But I am at least now the SUB RX is working.....

--- In orion565@yahoogroups.com, "wolobmp" <wolobmp@...> wrote:
>
>
> Hello all...
>
> Update...I did a master reset and this time when asked about the RX366 sub rcvr installed I said NO...and now the sub rcv is full functioning once again.
> Thanks to all for the helping hand...
> 73
> Mike
> --- In orion565@yahoogroups.com, "wolobmp" <wolobmp@> wrote:
> >
> > Hello,
> >
> > I have just purchased the Orion II which has the second recvr already installed. Perhaps when it asked me about the sub rx installed I should of said no.
> >
> > Mike
> >
> > --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> > >
> > > This might be a dumb question, but did you install the optional upgraded
> > > RX-366 subreceiver in your Orion or do you have the original subreceiver?
> > >
> > > Barry N1EU
> > >
> > > On Sun, Jun 2, 2013 at 5:13 PM, wolobmp <wolobmp@> wrote:
> > >
> > > > **
> > > >
> > > >
> > > > Hello all. Question about the latest update. I have installed this update
> > > > when powered up stating 3.033 version, coming from 2.98. I have performed a
> > > > master reset 2 times, and here is my problem.
> > > > I have what appears to be no signals present on Sub RX. I had full receive
> > > > prior to this update.

> > > > In the menus: I have Xtal filter: Auto.......Enable 1.8, 600, 300 all set
> > > > as NO....(I've changed them to yes with no difference). Sub-RX slot 1 at
> > > > 2.4khz slot 2 at 300hz and slot 3 set at 6khz.
> > > > When tuning across the SUB RX a clicking sound is heard as you tune, and
> > > > an hearing what sound slike static but no signals heard. Also when
> > > > adjusting PBT I hear what sounds like a clicking sound as well.
> > > > The MAIN RX has no issues.
> > > > It appears that something is amiss now after this install on the SUB RX
> > > > only.
> > > > Once again a Master Reset was performed and display showed complete.Then
> > > > asked if the RX366 was installed I stated yes..after which the display went
> > > > to 14.250Mhz> I also did a Ram clear too.
> > > > So all looks like everything installed fine, but the SUB RX is not
> > > > functioning, and I am thinking there is either a menu setting, toggle, item
> > > > not enabled, or item that is enabled that shouldn't be.
> > > > So, I am at a stand-still at this point in time.
> > > > Anyone ?
> > > >
> > > > Thanks in advance for your helping hand,
> > > > Mike
> > > >
> > > >
> > > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
>

9519. re: numbered wires

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-03 23:06:16 UTC
From: Skip K3CC
Topic: 9519 Message: 9519

Greetings,
I am looking for info or a diagram of the backplane left side
There are 2 white wire numbered 3 and 4 there are 3 [pins for these wires
they are not numbered.
Does anyone have an idea what position they are in on the board ??
tnx de Skip

Skip Kauffman
ARS K3CC
EC ARES Potter CO, PA
www.k3cc.net

[Non-text portions of this message have been removed]

9520. OmniRig and the Eagle and the Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-04 16:30:51 UTC
From: John
Topic: 9520 Message: 9520

Hello All,

Have a customer who wants to use OmniRig with his 599/Eagle. There isn't an ini file for it yet. So, I want to help create it for him. (Note, if anyone has already created one, please let me know and we can get it to the customer to use).

I find that there is an Orion .ini file for OmniRig, has anyone used this yet? If so, does it do what you need it to do?

I have never tried OmniRig, but the customer uses it with cwget, cwtype, etc., dxsoft created dxatlas, etc. And says a lot use it.

If the Orion .ini file is valid and works, then I can clone it to create one for the Eagle. But, I need to know if it is good first. Otherwise I could be creating a bad file for the customer to get ticked off with.

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering
(yep, working through lunch, so much to get done)

9521. 238 tuner anyone?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-05 10:57:48 UTC
From: w5sum
Topic: 9521 Message: 9521

I have a clean clean clean TT238 Tuner that is available if anyone is interested. It worked well with my Orion, but its been replaced with a PalStar HFAuto

pictures and price upon request.

enjoying my Orion everyday :)

Ronnie W5SUM

[Non-text portions of this message have been removed]

9522. Re: OmniRig and the Eagle and the Orion

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-06 13:50:31 UTC
From: John
Topic: 9520 Message: 9522

For others reference, the Orion ini file for OmniRig has been used and works fine. I'll see if an Eagle specific one has been developed and if not, I'll get it done myself.

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

--- In orion565@yahoogroups.com, "John" <jhenry@...> wrote:
>
> Hello All,
>
> Have a customer who wants to use OmniRig with his 599/Eagle. There isn't an ini file for it yet. So, I want to help create it for him. (Note, if anyone has already created one, please let me know and we can get it to the customer to use).
>
> I find that there is an Orion .ini file for OmniRig, has anyone used this yet? If so, does it do what you need it to do?
>
> I have never tried OmniRig, but the customer uses it with cwget, cwtype, etc., dxsoft created dxatlas, etc. And says a lot use it.
>
> If the Orion .ini file is valid and works, then I can clone it to create one for the Eagle. But, I need to know if it is good first. Otherwise I could be creating a bad file for the customer to get ticked off with.
>
> Thanks, and 73,
> John Henry, KI4JPL
> TEN-TEC Engineering
> (yep, working through lunch, so much to get done)
>

9523. Re: 238 tuner anyone?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-08 01:18:04 UTC
From: nkcpl
Topic: 9521 Message: 9523

I am interested and would appreciate price and pics. It would probably be faster to just email me at: nkcpl@.... Thanks in advance for your response. Duane. W2EZ in Wichita Kansas.

--- In orion565@yahoogroups.com, "w5sum" <w5sum@...> wrote:
>
> I have a clean clean clean TT238 Tuner that is available if anyone is interested. It worked well with my Orion, but its been replaced with a PalStar HFAuto
>
> pictures and price upon request.
>
> enjoying my Orion everyday :)
>
> Ronnie W5SUM
>
> [Non-text portions of this message have been removed]
>

9526. 6-meter converters?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-12 18:07:58 UTC
From: Stan
Topic: 9526 Message: 9526

I am thinking of buying a new radio, maybe an Orion II, and using my current Orion in a dedicated 6-meter setup (and as an HF backup). I built and used a Ten-Tec 1208 converter a few years back, but they are no longer available unless you happen to run across one used. So I am thinking about either a Down East Microwave or an Elecraft 6-meter converter. Has anyone ever used one of them with the Orion? Any observations on performance?

Thanks,

Stan, W4AG

[Non-text portions of this message have been removed]

9527. Finally made it to the factory!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-12 23:34:37 UTC
From: Phil Sikes
Topic: 9527 Message: 9527

After many years of being a Ten Tec owner and fan, I finally made it to Seveirville for the tour. It was great to put faces with names and see where all of these wonderful rigs come from. Not much but a shirt and a blue tuning knob ring followed me out the door since I already have an O II but it sure is nice to contemplate a new Eagle for the RV.

9528. RE: [orion565] 6-meter converters?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-13 00:36:09 UTC
From: John Kaufmann
Topic: 9526 Message: 9528

I ran a Down East Microwave 6m transverter with my Orion I. Got about 20W out on 6m for 0.25 mW (-6 dBm) in on 10m. I can confirm the setup works very well for what it is supposed to do.

73, John W1FV

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Stan
Sent: Wednesday, June 12, 2013 2:08 PM
To: orion565@yahoogroups.com
Subject: [orion565] 6-meter converters?

I am thinking of buying a new radio, maybe an Orion II, and using my current Orion in a dedicated 6-meter setup (and as an HF backup). I built and used a Ten-Tec 1208 converter a few years back, but they are no longer available unless you happen to run across one used. So I am thinking about either a Down East Microwave or an Elecraft 6-meter converter. Has anyone ever used one of them with the Orion? Any observations on performance?

Thanks,

Stan, W4AG

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9529. New Orion on the horizon?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-13 15:25:50 UTC
From: nmbsun1
Topic: 9529 Message: 9529

I believe the Orion II was put on the market in 2006? I wonder if after 7 years is Ten Tec going to completly update this radio?

73

9530. RE: [orion565] New Orion on the horizon?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-13 15:40:14 UTC
From: Torrey Mitchell
Topic: 9529 Message: 9530

I hope so, it is sure to be warmly received by the large number of current users. The question will certainly be whether they can do it with profitability. I wouldn't change much except upgrade to superfast processors and upgrade the display and spectrum scope to high resolution and speed.

Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of nmbsun1
Sent: Thursday, June 13, 2013 10:26 AM
To: orion565@yahoogroups.com
Subject: [orion565] New Orion on the horizon?

I believe the Orion II was put on the market in 2006? I wonder if after 7 years is Ten Tec going to completly update this radio?

73

[Non-text portions of this message have been removed]

9531. Re: [orion565] New Orion on the horizon?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-13 19:08:42 UTC
From: Darrell Bellerive
Topic: 9529 Message: 9531

And add the six metre band.

Darrell Bellerive

On 06/13/2013 08:40 AM, Torrey Mitchell wrote:
> I hope so, it is sure to be warmly received by the large number of current
> users. The question will certainly be whether they can do it with
> profitability. I wouldn't change much except upgrade to superfast
> processors and upgrade the display and spectrum scope to high resolution and
> speed.
>
> Torrey N9PY
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> Behalf
> Of nmbsun1
> Sent: Thursday, June 13, 2013 10:26 AM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: [orion565] New Orion on the horizon?
>
> I believe the Orion II was put on the market in 2006? I wonder if after 7
> years is Ten Tec going to completly update this radio?
>
> 73
>

9532. Re: [orion565] New Orion on the horizon?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-13 20:44:51 UTC
From: Arek Tarniowy
Topic: 9529 Message: 9532

I think that the plastic front panel and knobs need to be better quality. USB port for comunication with PC.

Arek
AC2FC

Sent from my iPhone

On Jun 13, 2013, at 3:08 PM, Darrell Bellerive <drbellerive.va7to@...> wrote:

> And add the six metre band.
>
> Darrell Bellerive
>
> On 06/13/2013 08:40 AM, Torrey Mitchell wrote:
> > I hope so, it is sure to be warmly received by the large number of current
> > users. The question will certainly be whether they can do it with
> > profitability. I wouldn't change much except upgrade to superfast
> > processors and upgrade the display and spectrum scope to high resolution and
> > speed.
> >
> > Torrey N9PY
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> > Behalf
> > Of nmbsun1
> > Sent: Thursday, June 13, 2013 10:26 AM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > Subject: [orion565] New Orion on the horizon?
> >
> > I believe the Orion II was put on the market in 2006? I wonder if after 7
> > years is Ten Tec going to completly update this radio?
> >
> > 73
> >
>

[Non-text portions of this message have been removed]

9533. Re: [orion565] New Orion on the horizon?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-13 21:17:40 UTC
From: catfishtwo@...
Topic: 9529 Message: 9533

a couple of usb ports would be cool one for the computer and one for the keyer and one for the steppir. yup that would be super cool.

tom N6AJR

proud owner of an orion for many years now, a super radio.

In a message dated 6/13/2013 1:49:59 P.M. Pacific Daylight Time, tarniowy@... writes:

I think that the plastic front panel and knobs need to be better quality. USB port for comunication with PC.

Arek
AC2FC

Sent from my iPhone

On Jun 13, 2013, at 3:08 PM, Darrell Bellerive <drbellerive.va7to@...> wrote:

> And add the six metre band.
>
> Darrell Bellerive
>
> On 06/13/2013 08:40 AM, Torrey Mitchell wrote:
> > I hope so, it is sure to be warmly received by the large number of current
> > users. The question will certainly be whether they can do it with
> > profitability. I wouldn't change much except upgrade to superfast
> > processors and upgrade the display and spectrum scope to high resolution and
> > speed.
> >
> > Torrey N9PY
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> > Behalf
> > Of nmbsun1
> > Sent: Thursday, June 13, 2013 10:26 AM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > Subject: [orion565] New Orion on the horizon?
> >
> > I believe the Orion II was put on the market in 2006? I wonder if after 7

> > years is Ten Tec going to completly update this radio?
> >
> > 73
> >
>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

9534. Re: [orion565] New Orion on the horizon?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-13 22:06:57 UTC
From: Simone IZ5DKJ
Topic: 9529 Message: 9534

Hi,
i'm dreaming the same orion's performances but with USB port, new DVK
and six METER.

73 Simone IZ5DKJ

9535. Re: New Orion on the horizon?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-14 14:51:53 UTC
From: nmbsun1
Topic: 9529 Message: 9535

what is a DVK?

--- In orion565@yahoogroups.com, Simone IZ5DKJ <iz5dkj@...> wrote:
>
> Hi,
> i'm dreaming the same orion's performances but with USB port, new DVK
> and six METER.
>
> 73 Simone IZ5DKJ
>

9536. Re: [orion565] Re: New Orion on the horizon?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-14 14:59:41 UTC
From: Barry N1EU
Topic: 9529 Message: 9536

digital voice keyer - commonly used in ssb contesting to call CQ etc

73, Barry N1EU

On Fri, Jun 14, 2013 at 2:51 PM, nmbsun1 <nmbsun1@...> wrote:

> **
>
>
> what is a DVK?
>
>
> --- In orion565@yahoogroups.com, Simone IZ5DKJ <iz5dkj@...> wrote:
> >
> > Hi,
> > i'm dreaming the same orion's performances but with USB port, new DVK
> > and six METER.
> >
> > 73 Simone IZ5DKJ
> >
>
>
>

[Non-text portions of this message have been removed]

9537. Re: New Orion on the horizon?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-14 15:32:34 UTC
From: wa6iaf
Topic: 9529 Message: 9537

If so then:
USB Ports first and foremost!!!,
Heavier duty power connector on rear panel,
Faster CPU's

The current user interface is wonderful, don't change that much if at all. Nicer knobs would be pleasant.

73

--- In orion565@yahoogroups.com, "nmbsun1" <nmbsun1@...> wrote:
>
> I believe the Orion II was put on the market in 2006? I wonder if after 7 years is Ten Tec going to completly update this radio?
>
> 73
>

9538. Re: New Orion on the horizon?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-15 08:20:15 UTC
From: pa1ap
Topic: 9529 Message: 9538

I dont get it. Seems most of you want usb ports and such like to control an analog orion...suprised there is no desire to have an I/Q output at the back of this new orion to connect to that soundblaster card to have a fft display.... its like stacking a computer on top of your orion.

Why not dream about direct rf sampling SDR architecture and combine this with the knobs and dials of the orion... than the computer would be inside the rig... self supporting and no external stuff needed.

And since its a computer you can install voice keyers, recording tools, equalizers, contest logging etc inside your dream rig. And as the new generation orion would be direct rf sampling multi band monitoring and recording is piece of cake.

I love the current orion and it does the job more than needed. But peaking at flex does provoke new thoughts in my mind... who will start that small company which build an enclosure with nice dials and buttons to incorporate such SDR system?

Its just a dream by the way ;-). Regards, Onno
--- In orion565@yahoogroups.com, "wa6iaf" <wa6iaf@...> wrote:
>
> If so then:
> USB Ports first and foremost!!!,
> Heavier duty power connector on rear panel,
> Faster CPU's
>
> The current user interface is wonderful, don't change that much if at all. Nicer knobs would be pleasant.
>
> 73
>
> --- In orion565@yahoogroups.com, "nmbsun1" <nmbsun1@> wrote:
> >
> > I believe the Orion II was put on the market in 2006? I wonder if after 7 years is Ten Tec going to completly update this radio?
> >
> > 73
> >
>

9539. Re: [orion565] Re: New Orion on the horizon?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-15 09:00:39 UTC
From: Barry N1EU
Topic: 9529 Message: 9539

On Sat, Jun 15, 2013 at 8:20 AM, pa1ap <pa1ap@...> wrote:

> **
>
> Why not dream about direct rf sampling SDR architecture and combine this
> with the knobs and dials of the orion...
>
Ha, that would be my dream rig as well!

73, Barry N1EU

[Non-text portions of this message have been removed]

9540. 3.033xa Meter decay option request.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-15 12:33:10 UTC
From: kc2qma
Topic: 9540 Message: 9540

I have the Orion II with 3.033XA installed and I love everything about it except I would like to have the option to adjust the S-meter decay time so it's has a slower fall time. But I don't want it to follow the AGC like the prior software versions had. I just want to adjust the meter action by itself so I guess a new menu item? Otherwise 3.033xa is perfect!
73/KC2QMA
John

9541. re: new orion III

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-15 15:25:16 UTC
From: Skip K3CC
Topic: 9541 Message: 9541

I would enjoy a new Orion However the cost would be the main stumbling block and then the
ease of use. It's all well and good to talk about ports, flash drive input, FFT Spectrums etc.
Who is going to buy a radio that they need a steep learning curve to use it. I think that is what
the Flex people have found.
My idea is keep it simple and clean. Most radio's today have a more button, knobs and switches'
that take away from the ease of use.
Keep it simple and have an output/input device that plugs into the radio for those who want to play.
After the person learns how to use the radio as is, then sell an attachment to further enhance the capability
of the unit.
The attachment could have a FFT or LCD screen with a keypad. This would allow entry into the SDR also
a flash drive port for input of contesting software and station control.
The basic radio would have filters, DSP, Voice Keyer(DVK), user memories for macros etc. Once you have mastered
that, then add the other option to open up the architecture for the programmer.

That way you would have only one unit Orion III and not need a computer attached. The price point then maybe
manageable by more hams.

de Skip K3CC

[Non-text portions of this message have been removed]

9542. Re: [orion565] re: new orion III

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-15 15:58:29 UTC
From: k3xr@...
Topic: 9541 Message: 9542

Skip makes a great point. I have and have had many of the Ten Tec rigs over the years now the O II, VIplus, Paragon. I find myself operating the VIplus quite often (work mostly CW). You well may be able to demonstrate that the O II is a much more advanced radio from a technical aspect than the VIplus. From a user friendly aspect I just love the VIplus and to my ear the noise reduction is much more effective. I would love to have the VIplus with the O II display. One the other side of the coin, I like to operate in the AM mode from time to time and adjusted properly the O II driving my Ameritron ALS 1300 makes for some great sounding AM. DAN, K3XR

----- Original Message -----
From: "Skip K3CC" <k3cc@verizon.net>
To: orion565@yahoogroups.com
Sent: Saturday, June 15, 2013 11:25:16 AM
Subject: [orion565] re: new orion III

I would enjoy a new Orion However the cost would be the main stumbling block
and then the
ease of use. It's all well and good to talk about ports, flash drive
input, FFT Spectrums etc.
Who is going to buy a radio that they need a steep learning curve to use it.
I think that is what
the Flex people have found.
My idea is keep it simple and clean. Most radio's today have a more button,
knobs and switches'
that take away from the ease of use.
Keep it simple and have an output/input device that plugs into the radio for
those who want to play.
After the person learns how to use the radio as is, then sell an attachment
to further enhance the capability
of the unit.
The attachment could have a FFT or LCD screen with a keypad. This would
allow entry into the SDR also
a flash drive port for input of contesting software and station control.
The basic radio would have filters, DSP, Voice Keyer(DVK), user memories for
macros etc. Once you have mastered
that, then add the other option to open up the architecture for the
programmer.

That way you would have only one unit Orion III and not need a computer
attached. The price point then maybe
manageable by more hams.

de Skip K3CC

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9543. Re: new orion III

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-17 06:43:38 UTC
From: pa1ap
Topic: 9541 Message: 9543

Very good point and indeed what more is needed to practice the basis of our great hobby? I guess we are getting bored using equipment after a while and start looking for the next gadget to play with . This might be one of the reasons for the subject as raised and its interesting to read whats on the wishlist :-)

For me its a better antenna setup to challenge the orion a bit more as well to ensure daily chats with the other end of the world cause a "whats next to crack" state of mind. I am far away from that status but once achieved I might climb out of my mancave and will go field portable with a $200 qrp kit with end-fed vertical to achieve the same state of mind but this time enjoying the summer sunshine and become less of a nerd to the outside world.

Regards, Onno

--- In orion565@yahoogroups.com, k3xr@... wrote:
>
> Skip makes a great point.Â I have and have had many of the Ten Tec rigs over the years now the O II, VIplus, Paragon.Â I find myself operating the VIplus quite often (work mostly CW).Â You well may be able to demonstrate that the O II is a much more advanced radio from a technical aspect than the VIplus.Â From a user friendly aspect I just love the VIplus and to my ear the noise reduction is much more effective.Â I would love to have the VIplus with the O II display.Â One the other side of the coin, I like to operate in the AM mode from time to time and adjusted properly the O II driving my Ameritron ALS 1300 makes for some great sounding AM. DAN, K3XR
>
>
>
>
> ----- Original Message -----
> From: "Skip K3CC" <k3cc@...>
> To: orion565@yahoogroups.com
> Sent: Saturday, June 15, 2013 11:25:16 AM
> Subject: [orion565] re: new orion III
>
> Â
>
>
>
>
> I would enjoy a new Orion However the cost would be the main stumbling block
> and then the
> ease of use. It's all well and good to talk about ports, flash drive
> input, FFT Spectrums etc.
> Who is going to buy a radio that they need a steep learning curve to use it.
> I think that is what
> the Flex people have found.
> My idea is keep it simple and clean. Most radio's today have a more button,

> knobs and switches'
> that take away from the ease of use.
> Keep it simple and have an output/input device that plugs into the radio for
> those who want to play.
> After the person learns how to use the radio as is, then sell an attachment
> to further enhance the capability
> of the unit.
> The attachment could have a FFT or LCD screen with a keypad. This would
> allow entry into the SDR also
> a flash drive port for input of contesting software and station control.
> The basic radio would have filters, DSP, Voice Keyer(DVK), user memories for
> macros etc. Once you have mastered
> that, then add the other option to open up the architecture for the
> programmer.
>
> That way you would have only one unit Orion III and not need a computer
> attached. The price point then maybe
> manageable by more hams.
>
> de Skip K3CC
>
> [Non-text portions of this message have been removed]
>
>
>
>
> [Non-text portions of this message have been removed]
>

9545. Re: new orion III

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-18 02:34:58 UTC
From: W2AJI
Topic: 9541 Message: 9545

Hi Onno,

You can not imagine how much better the receiver in the O2 is until you compare it in contest environments to other radios while using a high gain antenna in a great location.

My station is located at 1000 feet ASL, on a 300 foot high steep hill. My tower is 75 feet tall and holds a 5 element 20 meter monoband yagi with 45 foot boom.

The overload from strong stations and the intermod interference paralyzed my Mark V, even with narrow roofing filters and other mods. The Orion has been superb under all operating conditions, and with selectivity I could only dream about before. It can handle anything that comes thru my narrow beam width, and with better than 30 db F/B, and 50 db F/S, these other signals are greatly attenuated.

My Mark V came from the factory with too much gain in the transmit IF and was poorly adjusted. It was far from clean.

I like to run about 20 watts from the O2 for DXing, to avoid creating a pile up after calling a DX station. With the adjustment of the processor as I have described in the past, 20 watts is more than enough.

Do go for that dream antenna. Your Orion can more than handle it.

73 and Happy DXing,

Mike
W2AJI

9546. Sorry

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-18 13:35:33 UTC
From: John
Topic: 9546 Message: 9546

fyi, my yahoo account was hacked somehow, it was spamming crap to a lot of my friends on yahoo.... jshenry1963 at yahoo.com.... if you see a message with the following:
hello!.... then a link...
DO NOT CLICK ON THE LINK.
Sorry.

John Henry, KI4JPL

9547. Re: [orion565] Sorry..New Scam

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-18 14:04:49 UTC
From: John Huffman
Topic: 9546 Message: 9547

We all can get hacked.

But, this morning I got a new one. A guy called the house with a heavy accent and broken English. He told me he was from Microsoft and that they had determined that my computer had a terrible virus and malware and such.

He wasn't selling anything. He wanted to show me the problem by having me start my computer and have him log into it so he could "show me". (And, of course, have access to everything on my computer including passwords and financial data).

I told him that was stupid and he said I was the one that was stupid as he hung up. Pretty snappy comeback....

73 de K1ESE
John

On 6/18/2013 9:35 AM, John wrote:
>
> fyi, my yahoo account was hacked somehow, it was spamming crap to a
> lot of my friends on yahoo.... jshenry1963 at yahoo.com.... if you see
> a message with the following:
> hello!.... then a link...
> DO NOT CLICK ON THE LINK.
> Sorry.
>
> John Henry, KI4JPL
>
>

[Non-text portions of this message have been removed]

9548. Re: [orion565] Sorry

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-18 14:41:58 UTC
From: Arek Tarniowy
Topic: 9546 Message: 9548

John,
This was happend to my account too (I think that yahoo need to do better job with security).
I found that I had some virus on my laptop.
Good luck for you.

Arek
AC2FC

Sent from my iPhone

On Jun 18, 2013, at 9:35 AM, "John" <jhenry@...> wrote:

> fyi, my yahoo account was hacked somehow, it was spamming crap to a lot of my friends on yahoo.... jshenry1963 at yahoo.com.... if you see a message with the following:
> hello!.... then a link...
> DO NOT CLICK ON THE LINK.
> Sorry.
>
> John Henry, KI4JPL
>
>

[Non-text portions of this message have been removed]

9549. Re: Sorry

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-18 19:22:32 UTC
From: saukp
Topic: 9546 Message: 9549

Start ...FYI...

a few months back...april i think...

a large set of Yahoo accounts with passwords were stolen directly from yahoo...

so advice it to do good password management...change passwords on some irregular basis

doesnt help in all cases but when bulk hacking occurs you might change it before someone decides to use your account...

end...FYI...

paul k3sf

--- In orion565@yahoogroups.com, "John" <jhenry@...> wrote:
>
> fyi, my yahoo account was hacked somehow, it was spamming crap to a lot of my friends on yahoo.... jshenry1963 at yahoo.com.... if you see a message with the following:
> hello!.... then a link...
> DO NOT CLICK ON THE LINK.
> Sorry.
>
> John Henry, KI4JPL
>

9550. Re: new orion III

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-18 20:05:06 UTC
From: john_ke5c
Topic: 9541 Message: 9550

--- In orion565@yahoogroups.com, k3xr@... wrote:
>
> Skip makes a great point.Â I have and have had many of the Ten Tec rigs over the years now the O II, VIplus, Paragon.Â I find myself operating the VIplus quite often (work mostly CW).Â You well may be able to demonstrate that the O II is a much more advanced radio from a technical aspect than the VIplus.Â From a user friendly aspect I just love the VIplus and to my ear the noise reduction is much more effective.Â I would love to have the VIplus with the O II display.Â One the other side of the coin, I like to operate in the AM mode from time to time and adjusted properly the O II driving my Ameritron ALS 1300 makes for some great sounding AM. DAN, K3XR

I don't contest much these days, but I was very active at several Austin, TX area stations when the Orion I came out. Everyone was excited about the receiver, and a few of us bought them. The N5TW station was a pair of Orions most of the time (his and mine), but as soon as the K3 came out, N5TW's Orion went to the FS list. For technical joyriding, you cannot beat that receiver, but the user interface is TERRIBLE, and that has really held that rig, and the II, back. That and the tendency to crash a few times during a contest - mine was on it's second out-of-warranty control board. Now most folks that would be in the Orion market have K3's, so if there is an Orion III, TT would be better to build it on the OMNI VI user interface IMHO. BTW, my Orion I sold last week ($1800 after shipping if you want to know), and the fellow who bought it (age 71) can't believe how good it sounds, but he is having a bit of trouble adjusting to the UI.

73--john

9551. Re: [orion565] Sorry..New Scam

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-19 04:34:01 UTC
From: N9ETD@...
Topic: 9546 Message: 9551

Received that call from Microsoft (supposedly) today at my business. Same man with heavy / broken English accent.. I just told him that's nice. I asked what he wanted from me, then told him I wasn't interested and hung up..

73, Craig N9ETD

[Non-text portions of this message have been removed]

9552. Centering Trim Adjust for Orion II built in bandscope.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-19 04:34:44 UTC
From: kc2qma
Topic: 9552 Message: 9552

Is the trimmer next to the TMP #(14A) connector for adjusting the sweep center?
I want to get the internal band scope as close as possible to the (0) Center mark as I can but I'm not sure which trimmer is the one used to adjust the sweep centering?
What is the schematic # for the Orion II Bandscope?
73/KC2QMA

9553. Re: [orion565] Re: new orion III

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-19 08:31:27 UTC
From: Barry N1EU
Topic: 9541 Message: 9553

On Tue, Jun 18, 2013 at 8:05 PM, john_ke5c <ke5c@...> wrote:

> **
>
>
> as soon as the K3 came out, N5TW's Orion went to the FS list. For
> technical joyriding, you cannot beat that receiver, but the user interface
> is TERRIBLE, and that has really held that rig, and the II, back. That and
> the tendency to crash a few times during a contest -
>

I was very much part of the contesting and low band "scene" 5-10 years ago with first the migration to the Orion and then the K3. I was an early adopter and beta tester of both radios, except I kept my Orion and very glad I did. Ten-Tec was slow to respond but eventually they successfully addressed the issues.

IMHO, the user interface was never an issue and was never terrible. In fact, it's clearly better than the K3. The issues were instability (as John mentioned), poor subreceiver (especially for the low banders), and slow firmware evolution (bug fixes). These issues were all eventually and successfully addressed.

73, Barry N1EU

[Non-text portions of this message have been removed]

9554. Re: [orion565] Re: new orion III

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-19 15:22:39 UTC
From: Tony Lelieveld
Topic: 9541 Message: 9554

Barry,

I agree with you. I bought my Orion II in 2007 and just love it. The only thing I have NEVER been happy about is the "NR" system. It just does not measure up compared to other rigs' NR I have heard. Some people say that none of them work properly but in my opinion that is BS as I have experienced differently. I hope that some day Ten-Tec will make an honest effort to correct that function. Still say it's the best rig I've ever owned.

73, Tony VE3DWI.

****
----- Original Message -----
From: Barry N1EU
To: orion565@yahoogroups.com
Sent: Wednesday, June 19, 2013 4:31 AM
Subject: Re: [orion565] Re: new orion III

On Tue, Jun 18, 2013 at 8:05 PM, john_ke5c <ke5c@...> wrote:

> **
>
>
> as soon as the K3 came out, N5TW's Orion went to the FS list. For
> technical joyriding, you cannot beat that receiver, but the user interface
> is TERRIBLE, and that has really held that rig, and the II, back. That and
> the tendency to crash a few times during a contest -
>

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IMHO, the user interface was never an issue and was never terrible. In fact, it's clearly better than the K3. The issues were instability (as John mentioned), poor subreceiver (especially for the low banders), and slow firmware evolution (bug fixes). These issues were all eventually and successfully addressed.

73, Barry N1EU

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9555. Re: [orion565] Re: new orion III

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-19 15:48:49 UTC
From: k3xr@...
Topic: 9541 Message: 9555

Tony: You are correct on the OII NR, it has never performed properly, in my opinion, going back to the OI and it's my guess Ten Tec is very aware of this. Not an expert in electronics but have been on the air for over 53 years and have operated any number of rigs going back to Heathkit. On the transmit side they seem to have done a very good job. My take on the receive side it is that just when they were doing a real good job with equipment i.e. Omni VI plus, they went to more computer based rigs which will require some time to perfect.

----- Original Message -----
From: "Tony Lelieveld" <va3dwi@...>
To: orion565@yahoogroups.com
Sent: Wednesday, June 19, 2013 11:22:39 AM
Subject: Re: [orion565] Re: new orion III

Barry,

I agree with you. I bought my Orion II in 2007 and just love it. The only thing I have NEVER been happy about is the "NR" system. It just does not measure up compared to other rigs' NR I have heard. Some people say that none of them work properly but in my opinion that is BS as I have experienced differently. I hope that some day Ten-Tec will make an honest effort to correct that function. Still say it's the best rig I've ever owned.

73, Tony VE3DWI.

****
----- Original Message -----
From: Barry N1EU
To: orion565@yahoogroups.com
Sent: Wednesday, June 19, 2013 4:31 AM
Subject: Re: [orion565] Re: new orion III

On Tue, Jun 18, 2013 at 8:05 PM, john_ke5c < ke5c@....com > wrote:

> **
>
>
> as soon as the K3 came out, N5TW's Orion went to the FS list. For
> technical joyriding, you cannot beat that receiver, but the user interface
> is TERRIBLE, and that has really held that rig, and the II, back. That and
> the tendency to crash a few times during a contest -
>

I was very much part of the contesting and low band "scene" 5-10 years ago with first the migration to the Orion and then the K3. I was an early adopter and beta tester of both radios, except I kept my Orion and very glad I did. Ten-Tec was slow to respond but eventually they successfully addressed the issues.

IMHO, the user interface was never an issue and was never terrible. In fact, it's clearly better than the K3. The issues were instability (as John mentioned), poor subreceiver (especially for the low banders), and slow firmware evolution (bug fixes). These issues were all eventually and successfully addressed.

73, Barry N1EU

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9556. RE: Jim Koshmider

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-19 17:34:53 UTC
From: Jim Koshmider
Topic: 9556 Message: 9556

http://elbruk.pl/qbgxdn/jdgnf/wbkhx/amuai/afy/rlu/yzdku.htm
Best regards, Jim Koshmider

[Non-text portions of this message have been removed]

9557. Re: [orion565] RE: Jim Koshmider

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-19 18:02:40 UTC
From: Sam W Jacobs CET
Topic: 9556 Message: 9557

Another hi-jacked account !

73 !

Sam
K3SAM

From: Jim Koshmider <k8oz1@...>
To: ki4ps <ki4ps@yahoo.com>; orion565 <orion565@yahoogroups.com>; ADXABOD <ADXABOD@...m>; jkbuilders <jkbuilders@...>; pvictorious <pvictorious@...>
Sent: Wednesday, June 19, 2013 1:34 PM
Subject: [orion565] RE: Jim Koshmider

http://elbruk.pl/qbgxdn/jdgnf/wbkhx/amuai/afy/rlu/yzdku.htm
Best regards, Jim Koshmider

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9558. Re: Centering Trim Adjust for Orion II built in bandscope.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-20 03:46:52 UTC
From: kc2qma
Topic: 9552 Message: 9558

Anyone have any info on this?

--- In orion565@yahoogroups.com, "kc2qma" <kc2qma@...> wrote:
>
> Is the trimmer next to the TMP #(14A) connector for adjusting the sweep center?
> I want to get the internal band scope as close as possible to the (0) Center mark as I can but I'm not sure which trimmer is the one used to adjust the sweep centering?
> What is the schematic # for the Orion II Bandscope?
> 73/KC2QMA
>

9559. Wanted Ten-Tec for backup rig

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-22 17:22:30 UTC
From: K4AXF - Jim
Topic: 9559 Message: 9559

Greetings!

I need a second rig for my station - one that needs no repair or fixing up.
Looking for:

Corsair
Omni D series B or C
Century 22
Century 21
Argosy II
Scout 555

If you have something like this that is excess to your needs lease let me know what you have, how it's equipped and how much you want for it. Reply direct to jstoneback@....

73,

Jim K4AXF
Grottoes, Shenandoah Valley, Virginia

9560. Re: Wanted Ten-Tec for backup rig

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-24 18:29:12 UTC
From: Robert
Topic: 9559 Message: 9560

Have a Jupiter for sale, gray case, green screen 538, no tuner, has the latest firmwear and cw personality upgrade,comes with 705 microphone and power cable with anderson pp's attached. Radio is a 9 on cosmetics, a 10 on operation, never had a bad report. It works very well with a Regal 707 Mic but that is not part of the package. I have upgraded to an Orion I and have to sale to make wife happy. LOL As with all used radios no warranty implied. 850$
Robert KF5NXP (Look me up on QRZ)

--- In orion565@yahoogroups.com, "K4AXF - Jim" <jstoneback@...> wrote:
>
> Greetings!
>
> I need a second rig for my station - one that needs no repair or fixing up.
> Looking for:
>
> Corsair
> Omni D series B or C
> Century 22
> Century 21
> Argosy II
> Scout 555
>
>
>
> If you have something like this that is excess to your needs lease let me know
> what you have, how it's equipped and how much you want for it. Reply direct to
> jstoneback@
>
> 73,
>
> Jim K4AXF
> Grottoes, Shenandoah Valley, Virginia
>

9561. Clifton Labs Buffer amp

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-26 02:57:44 UTC
From: Tony Sokol
Topic: 9561 Message: 9561

Hi Gang,
I am in the process of mounting the Clifton Labs buffer amp in my Orion II for use with a panadapter. I talked to the factory today and was advised that "mounting the buffer amp inside the Orion is not recommended." I know there are a lot of them out there and as far as I know there have not been any problems. I would think that the longer length of mini coax required to get all the way out of the Orion and to the amp would load down the IF chain with the additional line capacitance. Does anyone have any thoughts on the subject?

Thanks,
Tony - W9JXN

9562. RE: [orion565] Clifton Labs Buffer amp

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-26 03:15:20 UTC
From: Andrew B. Steen
Topic: 9561 Message: 9562

Hi Tony.

I mounted mine in the OII several years ago, and have had absolutely no problems with it. I ran the coax to the spare jack.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Tony Sokol
Sent: Tuesday, June 25, 2013 7:58 PM
To: orion565@yahoogroups.com
Subject: [orion565] Clifton Labs Buffer amp

Hi Gang,
I am in the process of mounting the Clifton Labs buffer amp in my Orion II for use with a panadapter. I talked to the factory today and was advised that "mounting the buffer amp inside the Orion is not recommended." I know there are a lot of them out there and as far as I know there have not been any problems. I would think that the longer length of mini coax required to get all the way out of the Orion and to the amp would load down the IF chain with the additional line capacitance. Does anyone have any thoughts on the subject?

Thanks,
Tony - W9JXN

[Non-text portions of this message have been removed]

9563. O2 discontinued

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-30 02:21:10 UTC
From: K7FD
Topic: 9563 Message: 9563

Read in the Ten Tec newsletter that the last Orion ll has been sold due to rising component costs...

73 John K7FD

9564. Re: [orion565] O2 discontinued

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-30 02:43:02 UTC
From: catfishtwo@...
Topic: 9563 Message: 9564

and lack of availability of key components.. We shall see what they come up with next. It should be good. How about a Pegasus/ Orion combo on steroids, with built i usb ports. Wheeee

tom N6AJR

In a message dated 6/29/2013 7:21:14 P.M. Pacific Daylight Time, wolfmanjack@... writes:

Read in the Ten Tec newsletter that the last Orion ll has been sold due to rising component costs...

73 John K7FD

Yahoo! Groups Links

[Non-text portions of this message have been removed]

9565. Re: [orion565] O2 discontinued

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-30 02:45:25 UTC
From: EDEN MCCOLLOUGH
Topic: 9563 Message: 9565

What is the Rebel 506 that Mr. Wharton alludes to...?

Butch...K3AFR

[Non-text portions of this message have been removed]

9566. Re: [orion565] O2 discontinued

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-30 03:23:44 UTC
From: Mike, K9UW
Topic: 9563 Message: 9566

The Rebel is an QRP rig with open source firmware. See

http://qrper.com/2013/05/ten-tec-introduces-the-model-506-rebel-an-open-source-qrp-transceiver/

73, de Mike, K9UW
Amherst, WI

On 6/29/2013 9:45 PM, EDEN MCCOLLOUGH wrote:
>
> What is the Rebel 506 that Mr. Wharton alludes to...?
>
> Butch...K3AFR
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

9567. Re: [orion565] O2 discontinued

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-30 04:47:20 UTC
From: Sam W Jacobs CET
Topic: 9563 Message: 9567

Could this explain the lack of software "fixes" and software "additions" ?

I know I've suffered from a "pop 'n click" issue since the release of Version 3.x and it still hasn't been fixed. Also, I've sent in a list of possible features I'd like added to the next software upgrade but none have been considered... ??

When we purchased our O2's, we were PROMISED regular updates... I sure hope they keep coming, which brings up the fact thatI sure hope Ten*Tec releases the source code into the public domain soon. At least those of us who have some programming experience can experiment deeper into the radio.

73 !

Sam
K3SAM

From: K7FD <wolfmanjack@...>
To: orion565@yahoogroups.com
Sent: Saturday, June 29, 2013 10:21 PM
Subject: [orion565] O2 discontinued

Read in the Ten Tec newsletter that the last Orion ll has been sold due to rising component costs...

73 John K7FD

[Non-text portions of this message have been removed]

9568. O2 Discontinued

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-30 11:06:02 UTC
From: ki4ps
Topic: 9568 Message: 9568

My O2 is less than two years old. If I had to do it over again, I would purchase another.

One good thing about TT is they try to stock pile parts so they should be able to support this radio for years to come.

Flex stated at Dayton that the 5000 was being discontinued due to parts availability. However, they said they had enough parts to support future repairs. Time will tell.

On another side, look at Universial Radios web site. Look at all the discontinue radio that are still in use and repairable.

PS: Unlike Yaesu that seems to come out with a new radio every other year.

9569. Re: Sorry

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-30 11:43:45 UTC
From: wwjackpot
Topic: 9546 Message: 9569

I have the contacts removed from both of my Yahoo email accounts. Glad I use Google for my main account instead of Yahoo.

73 de KB9TMP

--- In orion565@yahoogroups.com, "saukp" <saukp@...> wrote:
>
> Start ...FYI...
>
> a few months back...april i think...
>
> a large set of Yahoo accounts with passwords were stolen directly from yahoo...
>
> so advice it to do good password management...change passwords on some irregular basis
>
> doesnt help in all cases but when bulk hacking occurs you might change it before someone decides to use your account...
>
> end...FYI...
>
>
>
> paul k3sf

9570. Re: [orion565] O2 Discontinued

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-30 19:32:54 UTC
From: catfishtwo@...
Topic: 9568 Message: 9570

my "01" is even older yet and has had several updates recently. I know folks who sear by the 1.3 XX version but I am using the latest 3.XX and am quite happy with it. I would buy an Orion again if I were in the same situation. it works for me. tom N6AJR

In a message dated 6/30/2013 4:06:05 A.M. Pacific Daylight Time, ki4ps@... writes:

My O2 is less than two years old. If I had to do it over again, I would purchase another.

One good thing about TT is they try to stock pile parts so they should be able to support this radio for years to come.

Flex stated at Dayton that the 5000 was being discontinued due to parts availability. However, they said they had enough parts to support future repairs. Time will tell.

On another side, look at Universial Radios web site. Look at all the discontinue radio that are still in use and repairable.

PS: Unlike Yaesu that seems to come out with a new radio every other year.

Yahoo! Groups Links

[Non-text portions of this message have been removed]

9571. Orion 565 AM Carrier Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-30 20:03:52 UTC
From: larry.w9mdx
Topic: 9571 Message: 9571

Hi Group ... I must add too that I am sorry to see TenTec ending the production of the Orion transceiver. It really is (not was) one of the best out there.

I recently picked up an Orion 565AT and it is beautiful. It works perfectly in every mode and function except one. After you switch to AM and go into transmit the radio goes through it's routine to set the carrier level to 25 watts. Mine sets itself to between 3 and 5 watts instead of 25. I received the radio with version 2 firmware and after talking to Paul at TT I loaded version 3.032. Again the radio is flawless, except that it will not reach more than 3 to 5 watts of carrier in AM transmit and darn, I am an AM'er. Power on all other modes is normal.

I disassembled the radio to check that the DSP board version 2 mod was OK (because it's on the DSP board)and it was fine. I checked all connectors and plugs, replaced the lithium battery and carefully put it back together .. same ol'.

The way TT Paul described the way it sets the carrier pretty much points to the DSP board as the problem. This is an early Orion and the DSP board is white in color and has several jumpers on the back side. I take it that it is an early DSP board. I can buy a new one from TT at a huge cost and put it in myself but I am a bit reluctant. I could send it to them for repair but I really don't want to ship it, besides there is about a four week wait.

Has anybody had their Orion act up like this? If so, what did you find? I am looking for information and insight before deciding which path to take and would be grateful for any of your thoughts.

PS: Me and Google and Bing have become good friends over this! Nothing.

73 -- Larry W9MDX

9572. Re: [orion565] Orion 565 AM Carrier Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-06-30 20:08:03 UTC
From: catfishtwo@...
Topic: 9571 Message: 9572

You could always cheat and get a 100 watt CB amp to run as an exciter on AM, although I don't know how many "pills" is a hundred watts...:) good luck my friend.

tom N6AJR

In a message dated 6/30/2013 1:04:00 P.M. Pacific Daylight Time, yawhoo@... writes:

Hi Group ... I must add too that I am sorry to see TenTec ending the production of the Orion transceiver. It really is (not was) one of the best out there.

I recently picked up an Orion 565AT and it is beautiful. It works perfectly in every mode and function except one. After you switch to AM and go into transmit the radio goes through it's routine to set the carrier level to 25 watts. Mine sets itself to between 3 and 5 watts instead of 25. I received the radio with version 2 firmware and after talking to Paul at TT I loaded version 3.032. Again the radio is flawless, except that it will not reach more than 3 to 5 watts of carrier in AM transmit and darn, I am an AM'er. Power on all other modes is normal.

I disassembled the radio to check that the DSP board version 2 mod was OK (because it's on the DSP board)and it was fine. I checked all connectors and plugs, replaced the lithium battery and carefully put it back together .. same ol'.

The way TT Paul described the way it sets the carrier pretty much points to the DSP board as the problem. This is an early Orion and the DSP board is white in color and has several jumpers on the back side. I take it that it is an early DSP board. I can buy a new one from TT at a huge cost and put it in myself but I am a bit reluctant. I could send it to them for repair but I really don't want to ship it, besides there is about a four week wait.

Has anybody had their Orion act up like this? If so, what did you find? I am looking for information and insight before deciding which path to take and would be grateful for any of your thoughts.

PS: Me and Google and Bing have become good friends over this! Nothing.

73 -- Larry W9MDX

Yahoo! Groups Links

[Non-text portions of this message have been removed]

9573. Microphones compatable with Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-13 23:04:56 UTC
From: Robert
Topic: 9573 Message: 9573

I am currently using a Studio One on my Orion 1, I have a Regal 707 that for some reason the Orion does not like, distorted output. Have tried Ten Tec's settings and others with no luck. What Mic has been found to work well on the Orion other than a Ten Tec 706 or 708. Studio One does not give the bottom end the Regal gave on my Jupiter and I want that. I guess what I am after is Broadcast quality and would like some feed back from fellow Orion users that have succeeded.

Thanks Robert KF5NXP

9574. Re: [orion565] Microphones compatable with Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-13 23:10:12 UTC
From: w5sum
Topic: 9573 Message: 9574

you can't go wrong with the Heil Pro series.. its what I use

----- Original Message -----
From: Robert
To: orion565@yahoogroups.com
Sent: Saturday, July 13, 2013 6:04 PM
Subject: [orion565] Microphones compatable with Orion 1

I am currently using a Studio One on my Orion 1, I have a Regal 707 that for some reason the Orion does not like, distorted output. Have tried Ten Tec's settings and others with no luck. What Mic has been found to work well on the Orion other than a Ten Tec 706 or 708. Studio One does not give the bottom end the Regal gave on my Jupiter and I want that. I guess what I am after is Broadcast quality and would like some feed back from fellow Orion users that have succeeded.

Thanks Robert KF5NXP

[Non-text portions of this message have been removed]

9575. RE: [orion565] Microphones compatible with Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-14 00:10:21 UTC
From: John Hudson
Topic: 9573 Message: 9575

I bought my O1 used (1 year old then) and it came with the Studio 1.. I could not get to it to sound right for me so for the last 6-7 years I have used a Heil Pro Set Plus 100% on SSB & CW. I don't do a lot of rag chewing, the mic is always the same distance and I consistently get excellent audio reports from DX. It can be a little heavy if worn for hours but not bad but I do not think I would have anything else for me

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Robert
Sent: Saturday, July 13, 2013 6:05 PM
To: orion565@yahoogroups.com
Subject: [orion565] Microphones compatable with Orion 1

I am currently using a Studio One on my Orion 1, I have a Regal 707 that for some reason the Orion does not like, distorted output. Have tried Ten Tec's settings and others with no luck. What Mic has been found to work well on the Orion other than a Ten Tec 706 or 708. Studio One does not give the bottom end the Regal gave on my Jupiter and I want that. I guess what I am after is Broadcast quality and would like some feed back from fellow Orion users that have succeeded.

Thanks Robert KF5NXP

[Non-text portions of this message have been removed]

9576. Re: Microphones compatable with Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-14 00:26:25 UTC
From: kc2qma
Topic: 9573 Message: 9576

The Regal 707 works great with Orion. You may need to adjust the small trim pot under the mic jack on the bottom of the Orion to get the mic gain correct. With an eyeglass screwdriver gently turn pot fully counter clockwise then turn clockwise half way so pot is at 12 o clock position or at 50%.
That should do the trick.
Start with Mic H/W gain under the SSB menu to O-db then press the "MIC" button on front panel and set to 50.
This should be a good starting point.

KC2QMA
John
73

--- In orion565@yahoogroups.com, "Robert" <rbellah@...> wrote:
>
> I am currently using a Studio One on my Orion 1, I have a Regal 707 that for some reason the Orion does not like, distorted output. Have tried Ten Tec's settings and others with no luck. What Mic has been found to work well on the Orion other than a Ten Tec 706 or 708. Studio One does not give the bottom end the Regal gave on my Jupiter and I want that. I guess what I am after is Broadcast quality and would like some feed back from fellow Orion users that have succeeded.
>
> Thanks Robert KF5NXP
>

9577. Looking for 6 kHZ filter and 600 Hz filters for Orion 2

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-14 01:44:38 UTC
From: AC2FC
Topic: 9577 Message: 9577

I want to buy 6kHz AM filter and 600 Hz CW filters for Orion 2.
Also looking for synthesizer PCB board or complete radio for parts.
If you have something send me the email to tarniowy@....

Thanks
Arek
AC2FC

9578. Re: Microphones compatable with Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-14 06:40:59 UTC
From: pa1ap
Topic: 9573 Message: 9578

Hi Robert,

For sure frustrating to have an (expensive) mic with studio quality which does not work well. Can you share more details on this observed distortion? There is a difference between distortion and just sounding different.

In general the following common mistakes are made;

1) connecting one of the mic leads to chassis (ground) as well reversed mic polarity. Easy to verify and certainly something recommended.

2) ALC setting and associated mic gain. Most important is to realize the ALC is frequency agnostic within the TX filter bandwidth. If your voice has an dominant audio presence at a very low frequency this will activate ALC -prior- to the words you say. Increasing mic gain results in even quicker ALC activation and lead to distortion when pushed to far. As well frustration the average output power is low.

Bottom line regarding audio presence: figure out your audio presence and ensure ALC will activate on words you pronounce instead of certain sounds which come with your words.

For example; if you know you have dominant low frequency audio presence try reducing this part of audio presence. Negative TX equalizer value can help you with this but also changing the TX bandwidth low frequency cutoff will help. A quick test would be to change the latter from 150Hz to 300Hz and verify if the ALC is responding differently. If so, you are getting closer to understanding your own audio presence :-)

Hope this helps and best regards, Onno

--- In orion565@yahoogroups.com, "Robert" <rbellah@...> wrote:
>
> I am currently using a Studio One on my Orion 1, I have a Regal 707 that for some reason the Orion does not like, distorted output. Have tried Ten Tec's settings and others with no luck. What Mic has been found to work well on the Orion other than a Ten Tec 706 or 708. Studio One does not give the bottom end the Regal gave on my Jupiter and I want that. I guess what I am after is Broadcast quality and would like some feed back from fellow Orion users that have succeeded.
>
> Thanks Robert KF5NXP
>

9579. Re: Microphones compatable with Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-14 09:34:21 UTC
From: pa1ap
Topic: 9573 Message: 9579

To share an real life example;

Using a studio one mic which has a frequency response line as flat at our beautiful Dutch landscape...

1) Default setting on Orion 565 initially motivated me to increase the mic gain to 96 as well use the hardware mic gain at 5dB. This activated the ALC but it did not really follow all the words in my sentences. I changed the TX equalizer to -15dB and ALC became more response. However enabling compression killed ALC responsiveness again as well distortion started... weird?... no ...

2) Taking a different route and after factory default I change the TX low Roll-off from 150Hz to 250Hz. Decreased the mic gain to 40, decreased hardware mic gain to 0dB. ALC follows my voice during the sentence very nicely. Enabling compression does not change ALC although it becomes more active all the time, hence I turned down mic gain to 22. A big difference compared to point 1...

3) taking settings from point 2 and playing with TX equalizer I arrived at +3dB for TX equalizer to arrive at "onno's voice".

My take on this is that studio microphones do exactly what they are build for. Combine studio microphone with a frequency agnostic ALC (within the TX bandwidth) and you are up for a surprise.

As far as my knowledge goes the special HAM microphones follow similar principles as point 2 and 3. The flatline (0dB) does not start at 60Hz but somewhere at 200hz and they also have a +4dB preference around 2Khz (according Heil website).

Do not underestimate the low frequency presence and what this means for the ALC and hence your signal.

Best regards, Onno

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Hi Robert,
>
> For sure frustrating to have an (expensive) mic with studio quality which does not work well. Can you share more details on this observed distortion? There is a difference between distortion and just sounding different.
>
> In general the following common mistakes are made;
>
> 1) connecting one of the mic leads to chassis (ground) as well reversed mic polarity. Easy to verify and certainly something recommended.
>
> 2) ALC setting and associated mic gain. Most important is to realize the ALC is frequency

agnostic within the TX filter bandwidth. If your voice has an dominant audio presence at a very low frequency this will activate ALC -prior- to the words you say. Increasing mic gain results in even quicker ALC activation and lead to distortion when pushed to far. As well frustration the average output power is low.
>
> Bottom line regarding audio presence: figure out your audio presence and ensure ALC will activate on words you pronounce instead of certain sounds which come with your words.
>
> For example; if you know you have dominant low frequency audio presence try reducing this part of audio presence. Negative TX equalizer value can help you with this but also changing the TX bandwidth low frequency cutoff will help. A quick test would be to change the latter from 150Hz to 300Hz and verify if the ALC is responding differently. If so, you are getting closer to understanding your own audio presence :-)
>
> Hope this helps and best regards, Onno
>
>
>
>
>
>
> --- In orion565@yahoogroups.com, "Robert" <rbellah@> wrote:
> >
> > I am currently using a Studio One on my Orion 1, I have a Regal 707 that for some reason the Orion does not like, distorted output. Have tried Ten Tec's settings and others with no luck. What Mic has been found to work well on the Orion other than a Ten Tec 706 or 708. Studio One does not give the bottom end the Regal gave on my Jupiter and I want that. I guess what I am after is Broadcast quality and would like some feed back from fellow Orion users that have succeeded.
> >
> > Thanks Robert KF5NXP
> >
>

9580. OII NR Falls Way Short

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-14 22:54:17 UTC
From: Bob
Topic: 9580 Message: 9580

I assume that the NR feature is program controlled. If that is true why can't TT improve the performance of this feature?

9581. Re: [orion565] OII NR Falls Way Short

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-14 23:38:27 UTC
From: John Huffman
Topic: 9580 Message: 9581

One of my favorite features as is. YMMV.

73 de K1ESE
John

On 7/14/2013 6:54 PM, Bob wrote:
>
> I assume that the NR feature is program controlled. If that is true
> why can't TT improve the performance of this feature?
>
>

[Non-text portions of this message have been removed]

9582. RE: [orion565] OII NR Falls Way Short

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-15 00:45:00 UTC
From: Andrew B. Steen
Topic: 9580 Message: 9582

My NR works very well on my OII, it's the darn ANF that is crap!

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Bob
Sent: Sunday, July 14, 2013 3:54 PM
To: orion565@yahoogroups.com
Subject: [orion565] OII NR Falls Way Short

I assume that the NR feature is program controlled. If that is true why can't TT improve the performance of this feature?

[Non-text portions of this message have been removed]

9583. Re: [orion565] Microphones compatable with Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-15 13:11:51 UTC
From: Sam W Jacobs CET
Topic: 9573 Message: 9583

I was also using the Heil Goldline mic with my O2 with very good results however I heard good things about a Marshal MXL 144 Ribbon Microphone which sells for under $100, comes complete with shock mount, cleaning cloth and storage case (all but the cable). I have been using the MXL 144 with very good results for the last two years.
Check out the "ham" reviews at eHam: http://www.eham.net/reviews/detail/9377.

You will need a separate PTT switch as this is a studio microphone, not normally intended for communications (lol). I also have a Symetrix 528e, W2IHY 8band and EQPlus in the audio chain.

73 !

Sam
K3SAM

From: w5sum <w5sum@...>
To: orion565@yahoogroups.com
Sent: Saturday, July 13, 2013 7:10 PM
Subject: Re: [orion565] Microphones compatable with Orion 1

you can't go wrong with the Heil Pro series.. its what I use

----- Original Message -----
From: Robert
To: orion565@yahoogroups.com
Sent: Saturday, July 13, 2013 6:04 PM
Subject: [orion565] Microphones compatable with Orion 1

I am currently using a Studio One on my Orion 1, I have a Regal 707 that for some reason the Orion does not like, distorted output. Have tried Ten Tec's settings and others with no luck. What Mic has been found to work well on the Orion other than a Ten Tec 706 or 708. Studio One does not give the bottom end the Regal gave on my Jupiter and I want that. I guess what I am after is Broadcast quality and would like some feed back from fellow Orion users that have succeeded.

Thanks Robert KF5NXP

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9584. Re: Microphones compatable with Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-15 16:27:15 UTC
From: Robert
Topic: 9573 Message: 9584

Finally figured out my distortion problem, was using a Heil cable for Yaesu/Ten Tec, problem was that it wasn't wired just as Ten Tec wired their cable that came with the mic, ground and mic wires were switched on the Heil, funny thing though it worked on my Studio one mic the way it came from Heil. Pulled it apart wired it as the Ten Tec was and ran it through the monitor and its up, did have to cut the trim pot back on the bottom of the Orion. Thanks for everyone's suggestions.

--- In orion565@yahoogroups.com, "Robert" <rbellah@...> wrote:
>
> I am currently using a Studio One on my Orion 1, I have a Regal 707 that for some reason the Orion does not like, distorted output. Have tried Ten Tec's settings and others with no luck. What Mic has been found to work well on the Orion other than a Ten Tec 706 or 708. Studio One does not give the bottom end the Regal gave on my Jupiter and I want that. I guess what I am after is Broadcast quality and would like some feed back from fellow Orion users that have succeeded.
>
> Thanks Robert KF5NXP
>

9585. Re: Microphones compatable with Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-15 20:40:34 UTC
From: kc2qma
Topic: 9573 Message: 9585

Robert, Glad you got things worked out. I found the Regal 707 mic to sound really good on my Orion II.
There is no one mic that is perfect for everybody because everyone's voice is different and some people need sharp DX audio. Others may prefer a Hi-Fi SSB audio. But one thing I found with my Orion Is you can make almost any mic sound good with the right set of adjustments. The regal 707 with give you that wide frequency response you are looking for. I would mention 2 things about the mic that are negatives.
Suffers from plosive breath noise when talking close to mic. I think you must use a large foam windscreen that fits over mic. Which kills the look of the mic?
Suffers from handling noise. Picks up vibrations from desk I suggest a boom arm or placing very soft feet on bottom of mic stand base.

But if you want great audio and don't need the vintage look I think the Heil PR30 makes an Orion sound incredible.

KC2QMA
John
73

--- In orion565@yahoogroups.com, "Robert" <rbellah@...> wrote:
>
> Finally figured out my distortion problem, was using a Heil cable for Yaesu/Ten Tec, problem was that it wasn't wired just as Ten Tec wired their cable that came with the mic, ground and mic wires were switched on the Heil, funny thing though it worked on my Studio one mic the way it came from Heil. Pulled it apart wired it as the Ten Tec was and ran it through the monitor and its up, did have to cut the trim pot back on the bottom of the Orion. Thanks for everyone's suggestions.
> >
> --- In orion565@yahoogroups.com, "Robert" <rbellah@> wrote:
> >
> > I am currently using a Studio One on my Orion 1, I have a Regal 707 that for some reason the Orion does not like, distorted output. Have tried Ten Tec's settings and others with no luck. What Mic has been found to work well on the Orion other than a Ten Tec 706 or 708. Studio One does not give the bottom end the Regal gave on my Jupiter and I want that. I guess what I am after is Broadcast quality and would like some feed back from fellow Orion users that have succeeded.
> >
> > Thanks Robert KF5NXP
> >
>

9586. Update problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-16 14:06:15 UTC
From: Stan
Topic: 9586 Message: 9586

I just bought an O2 over the weekend, and I am trying to update the software. I am getting the "Communication with the radio failed" message. The serial port is working fine with N4PY's control software (which of course is turned off when trying to update) and is set for 57600,8,N,1,no flow control. So, the radio and computer are successfully interfacing thru N4PY's software, but for some reason are not communicating directly. Any ideas?

Thanks,

Stan, W4AG

[Non-text portions of this message have been removed]

9587. Re: [orion565] Update problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-16 14:28:21 UTC
From: Barry N1EU
Topic: 9586 Message: 9587

This might be a dumb question Stan, but you did set the COM port under Settings-setup to match the com port used in N4PY?

73/GL,
Barry N1EU

On Tue, Jul 16, 2013 at 2:06 PM, Stan <w4ag@...> wrote:

> **
>
>
> I just bought an O2 over the weekend, and I am trying to
> update the software. I am getting the "Communication with
> the radio failed" message. The serial port is working fine
> with N4PY's control software (which of course is turned off
> when trying to update) and is set for 57600,8,N,1,no flow
> control. So, the radio and computer are successfully
> interfacing thru N4PY's software, but for some reason are
> not communicating directly. Any ideas?
>
> Thanks,
>
> Stan, W4AG
>
> [Non-text portions of this message have been removed]
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9588. RE: [orion565] Update problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-16 15:17:31 UTC
From: Stan
Topic: 9586 Message: 9588

Barry,

Yes, I used the same port as used for the control software.

Stan, W4AG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Tuesday, July 16, 2013 10:28 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Update problem

This might be a dumb question Stan, but you did set the COM port under
Settings-setup to match the com port used in N4PY?

73/GL,
Barry N1EU

On Tue, Jul 16, 2013 at 2:06 PM, Stan <w4ag@... <mailto:w4ag%40yahoo.com> > wrote:

> **
>
>
> I just bought an O2 over the weekend, and I am trying to
> update the software. I am getting the "Communication with
> the radio failed" message. The serial port is working fine
> with N4PY's control software (which of course is turned off
> when trying to update) and is set for 57600,8,N,1,no flow
> control. So, the radio and computer are successfully
> interfacing thru N4PY's software, but for some reason are
> not communicating directly. Any ideas?
>
> Thanks,
>
> Stan, W4AG
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9589. Re: [orion565] Update problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-16 15:26:54 UTC
From: Barry N1EU
Topic: 9586 Message: 9589

And you powered up the O2 while holding in the USER2 button to place it in Flash Update Mode?

On Tue, Jul 16, 2013 at 3:17 PM, Stan <w4ag@...> wrote:

> **
>
>
> Barry,
>
> Yes, I used the same port as used for the control software.
>
> Stan, W4AG
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf Of Barry N1EU
> Sent: Tuesday, July 16, 2013 10:28 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Update problem
>
>
> This might be a dumb question Stan, but you did set the COM port under
> Settings-setup to match the com port used in N4PY?
>
> 73/GL,
> Barry N1EU
>
> On Tue, Jul 16, 2013 at 2:06 PM, Stan <w4ag@... <mailto:
> w4ag%40yahoo.com> > wrote:
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> > **
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> >
> >
> > I just bought an O2 over the weekend, and I am trying to
> > update the software. I am getting the "Communication with
> > the radio failed" message. The serial port is working fine
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> > when trying to update) and is set for 57600,8,N,1,no flow
> > control. So, the radio and computer are successfully
> > interfacing thru N4PY's software, but for some reason are
> > not communicating directly. Any ideas?
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> > Thanks,
> >

> > Stan, W4AG
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9590. RE: [orion565] Update problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-16 16:21:11 UTC
From: Stan
Topic: 9586 Message: 9590

Yep, I am putting it in Flash Update Mode before running the update program.

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Tuesday, July 16, 2013 11:27 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Update problem

And you powered up the O2 while holding in the USER2 button to place it in
Flash Update Mode?

On Tue, Jul 16, 2013 at 3:17 PM, Stan <w4ag@... <mailto:w4ag%40yahoo.com> > wrote:

> **
>
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> Barry,
>
> Yes, I used the same port as used for the control software.
>
> Stan, W4AG
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> Behalf Of Barry N1EU
> Sent: Tuesday, July 16, 2013 10:28 AM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] Update problem
>
>
> This might be a dumb question Stan, but you did set the COM port under
> Settings-setup to match the com port used in N4PY?
>
> 73/GL,
> Barry N1EU
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> On Tue, Jul 16, 2013 at 2:06 PM, Stan <w4ag@... <mailto:w4ag%40yahoo.com> <mailto:
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> > **
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> > I just bought an O2 over the weekend, and I am trying to
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> > the radio failed" message. The serial port is working fine
> > with N4PY's control software (which of course is turned off

> > when trying to update) and is set for 57600,8,N,1,no flow
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> > interfacing thru N4PY's software, but for some reason are
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> > Thanks,
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> > Stan, W4AG
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9591. Re: [orion565] Update problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-16 16:47:49 UTC
From: Barry N1EU
Topic: 9586 Message: 9591

My only inkling then would be the serial port or USB/serial adapter might
somehow be incompatible.

73, Barry N1EU

On Tue, Jul 16, 2013 at 4:21 PM, Stan <w4ag@...> wrote:

> **
>
>
> Yep, I am putting it in Flash Update Mode before running the update
> program.
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
> Behalf Of Barry N1EU
> Sent: Tuesday, July 16, 2013 11:27 AM
>
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Update problem
>
> And you powered up the O2 while holding in the USER2 button to place it in
> Flash Update Mode?
>
> On Tue, Jul 16, 2013 at 3:17 PM, Stan <w4ag@... <mailto:
> w4ag%40yahoo.com> > wrote:
>
> > **
>
> >
> >
> > Barry,
> >
> > Yes, I used the same port as used for the control software.
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> > Stan, W4AG
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
>
> > Behalf Of Barry N1EU
> > Sent: Tuesday, July 16, 2013 10:28 AM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> > Subject: Re: [orion565] Update problem
> >
> >

> > This might be a dumb question Stan, but you did set the COM port under
> > Settings-setup to match the com port used in N4PY?
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> > 73/GL,
> > Barry N1EU
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> > On Tue, Jul 16, 2013 at 2:06 PM, Stan <w4ag@yahoo.com <mailto:
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> > w4ag%40yahoo.com> > wrote:
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> > > Thanks,
> > >
> > > Stan, W4AG
> > >
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9592. Re: [orion565] Update problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-16 17:11:45 UTC
From: Sam W Jacobs CET
Topic: 9586 Message: 9592

What version software is currently in the O2 you purchased ? Is it 2.6xx or lower ?? You might want to see if another version might load, if so you might get it to load in steps ??

Anything else I can think of has already been asked by others. The only other thing is to triple check to make sure the software is set at 57,600 as the default is much lower and will NOT work. (all from memory, don't beat me up if my memory has a short in it)

73 !

Sam
K3SAM

From: Stan <w4ag@...>
To: orion565@yahoogroups.com
Sent: Tuesday, July 16, 2013 12:21 PM
Subject: RE: [orion565] Update problem

Yep, I am putting it in Flash Update Mode before running the update program.

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Tuesday, July 16, 2013 11:27 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Update problem

And you powered up the O2 while holding in the USER2 button to place it in
Flash Update Mode?

On Tue, Jul 16, 2013 at 3:17 PM, Stan <w4ag@... <mailto:w4ag%40yahoo.com> > wrote:

> **
>
>
> Barry,
>
> Yes, I used the same port as used for the control software.
>
> Stan, W4AG
>
> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
> Behalf Of Barry N1EU
> Sent: Tuesday, July 16, 2013 10:28 AM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] Update problem
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>

> This might be a dumb question Stan, but you did set the COM port under
> Settings-setup to match the com port used in N4PY?
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> 73/GL,
> Barry N1EU
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> On Tue, Jul 16, 2013 at 2:06 PM, Stan <w4ag@... <mailto:w4ag%40yahoo.com> <mailto:
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> >
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9593. Re: [orion565] Update problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-16 18:10:20 UTC
From: Billy Cox
Topic: 9586 Message: 9593

Have your tried this with the "error checking" box
within the Ten-Tec load software turned OFF?

Seems like I recall having to do that at one time
to get things to work as they should.

Hope this helps!

73 de Billy, AA4NU

>On Tue, Jul 16, 2013 at 4:21 PM, Stan <w4ag@...> wrote:
>> Yep, I am putting it in Flash Update Mode before running the update
>> program.
>>
>>
>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On
>> Behalf Of Barry N1EU
>> Sent: Tuesday, July 16, 2013 11:27 AM
>>
>> To: orion565@yahoogroups.com
>> Subject: Re: [orion565] Update problem
>>
>> And you powered up the O2 while holding in the USER2 button to place it in
>> Flash Update Mode?
>>
>> On Tue, Jul 16, 2013 at 3:17 PM, Stan <w4ag@... <mailto:
>> w4ag%40yahoo.com> > wrote:
>>
>> > **
>>
>> >
>> >
>> > Barry,
>> >
>> > Yes, I used the same port as used for the control software.
>> >
>> > Stan, W4AG
>> >
>> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On
>>
>> > Behalf Of Barry N1EU
>> > Sent: Tuesday, July 16, 2013 10:28 AM
>> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
>> > Subject: Re: [orion565] Update problem
>> >

>> >
>> > This might be a dumb question Stan, but you did set the COM port under
>> > Settings-setup to match the com port used in N4PY?
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>> > 73/GL,
>> > Barry N1EU
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>> > On Tue, Jul 16, 2013 at 2:06 PM, Stan <w4ag@... <mailto:
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>> > >
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>> > > I just bought an O2 over the weekend, and I am trying to
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>> > > control. So, the radio and computer are successfully
>> > > interfacing thru N4PY's software, but for some reason are
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9594. Re: [orion565] Update problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-16 18:22:18 UTC
From: Jerry Rogers
Topic: 9586 Message: 9594

The same problem happened to me with my new Orion II. I use a PC with a dual serial card. My Omni IV and the USB connected Eagle have no problem updating.
When I tried to update my Orion II to ver. 3xxx, I received the same error. I also use N4PY software.

My fix was to use my PC laptop with a USB serial adapter. I use the Tripp-Lite Keyspan USA-19HS. Once I used this method, It updated fine.

By the way a local ham had the same problem with his Orion II, using a serial port. Once he used the Tripp-Lite USB serial adapter with his computer it updated fine.

Not sure what the problem is, but that's how I have to update my Orion II.

Jerry, ki4ps

On Jul 16, 2013, at 10:06 AM, Stan <w4ag@...> wrote:

> I just bought an O2 over the weekend, and I am trying to
> update the software. I am getting the "Communication with
> the radio failed" message. The serial port is working fine
> with N4PY's control software (which of course is turned off
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>
> Thanks,
>
> Stan, W4AG
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

9595. RE: [orion565] Update problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-16 18:22:03 UTC
From: Stan
Topic: 9586 Message: 9595

The version on the O2 now is 3.026. I have tried both 3.029 and 3.033xa with no luck. The same computer and serial port worked fine the last time I upgraded my original Orion. Yes, the serial port on the computer is set for 57,600. I am not aware of any way to change the communication settings in the O2.

73,

Stan, W4AG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Sam W Jacobs
CET
Sent: Tuesday, July 16, 2013 1:12 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Update problem

What version software is currently in the O2 you purchased ? Is it 2.6xx or lower ?? You might want to see if another version might load, if so you might get it to load in steps ??

Anything else I can think of has already been asked by others. The only other thing is to triple check to make sure the software is set at 57,600 as the default is much lower and will NOT work. (all from memory, don't beat me up if my memory has a short in it)

73 !

Sam
K3SAM

From: Stan <w4ag@... <mailto:w4ag%40yahoo.com> >
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Sent: Tuesday, July 16, 2013 12:21 PM
Subject: RE: [orion565] Update problem

Yep, I am putting it in Flash Update Mode before running the update program.

From: orion565@...m <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of Barry N1EU
Sent: Tuesday, July 16, 2013 11:27 AM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] Update problem

And you powered up the O2 while holding in the USER2 button to place it in
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> Barry,
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> Yes, I used the same port as used for the control software.
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> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
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> Behalf Of Barry N1EU
> Sent: Tuesday, July 16, 2013 10:28 AM
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] Update problem
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> This might be a dumb question Stan, but you did set the COM port under
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> 73/GL,
> Barry N1EU
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> On Tue, Jul 16, 2013 at 2:06 PM, Stan <w4ag@... <mailto:w4ag%40yahoo.com>
<mailto:w4ag%40yahoo.com> <mailto: <mailto:%0b>
> w4ag%40yahoo.com> > wrote:
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9596. RE: [orion565] Update problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-16 18:44:19 UTC
From: wolfmanjack@...
Topic: 9586 Message: 9596

Use a Keyspan usb to serial converter.

73 John K7FD

On Tue, Jul 16, 2013 at 11:22 AM, Stan wrote:

The version on the O2 now is 3.026. I have tried both 3.029 and
3.033xa with no luck. The same computer and serial port worked fine the
last time I upgraded my original Orion. Yes, the serial port on the
computer is set for 57,600. I am not aware of any way to change the
communication settings in the O2.

73,

Stan, W4AG

From: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
[mailto: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
] On Behalf Of Sam W Jacobs CET
Sent: Tuesday, July 16, 2013 1:12 PM
To: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
Subject: Re: [orion565] Update problem

What version software is currently in the O2 you purchased ? Is it
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To: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
<mailto:orion565%40yahoogroups.com>
Sent: Tuesday, July 16, 2013 12:21 PM

Subject: RE: [orion565] Update problem

Yep, I am putting it in Flash Update Mode before running the update
program.

From: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
<mailto:orion565%40yahoogroups.com> [mailto: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
<mailto:orion565%40yahoogroups.com>] On Behalf Of Barry N1EU
Sent: Tuesday, July 16, 2013 11:27 AM
To: orion565@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
<mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] Update problem

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Flash Update Mode?

On Tue, Jul 16, 2013 at 3:17 PM, Stan < w4ag@...
<javascript:parent.wgMail.openComposeWindow('w4ag@...')>
<mailto:w4ag%40yahoo.com> <mailto:w4ag%40yahoo.com> > wrote:

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> Barry,
> Yes, I used the same port as used for the control software.
> Stan, W4AG
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> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On Behalf Of Barry N1EU Sent:
> Tuesday, July 16, 2013 10:28 AM To: orion565@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('orion565@yahoogroups.com')>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com> Subject: Re: [orion565] Update
> problem
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>> 57600,8,N,1,no flow control. So, the radio and computer are
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<javascript:parent.wgMail.openComposeWindow('w4ag@...')>

<javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>

[Non-text portions of this message have been removed]

9597. Re: Update problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-16 18:49:58 UTC
From: k1fpv
Topic: 9586 Message: 9597

Stan,

I'm not sure if this might be your problem, but what version of Windows are you using? I've found that Windows Vista and Windows 7 have have compatibility issues. I always use my Windows XP computer to update all my rigs....and also, slow the port speed down. I run mine at 9600 BPS and never an issue.

My port settings are always: Port Speed = 9600 Bits per second
Data Bits = 8
Parity = None
Stop Bits = 1
Flow Control = None

I hope this helps you out.

73,
Bill/K1FPV

--- In orion565@yahoogroups.com, "Stan" <w4ag@...> wrote:
>
> The version on the O2 now is 3.026. I have tried both 3.029 and 3.033xa with no luck. The same computer and serial port worked fine the last time I upgraded my original Orion. Yes, the serial port on the computer is set for 57,600. I am not aware of any way to change the communication settings in the O2.
>
>
>
> 73,
>
> Stan, W4AG
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Sam W Jacobs CET
> Sent: Tuesday, July 16, 2013 1:12 PM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Update problem
>
>
>
>
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> What version software is currently in the O2 you purchased ? Is it 2.6xx or lower ?? You might want to see if another version might load, if so you might get it to load in steps ??
>

> Anything else I can think of has already been asked by others. The only other thing is to triple check to make sure the software is set at 57,600 as the default is much lower and will NOT work. (all from memory, don't beat me up if my memory has a short in it)
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>
> 73 !
>
> Sam
> K3SAM
>
> _____
> From: Stan <w4ag@... <mailto:w4ag%40yahoo.com> >
> To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
> Sent: Tuesday, July 16, 2013 12:21 PM
> Subject: RE: [orion565] Update problem
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> Yep, I am putting it in Flash Update Mode before running the update program.
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> From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of Barry N1EU
> Sent: Tuesday, July 16, 2013 11:27 AM
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> > Barry,
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> > Stan, W4AG
> >
> > From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com>] On
> > Behalf Of Barry N1EU
> > Sent: Tuesday, July 16, 2013 10:28 AM
> > To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
> > Subject: Re: [orion565] Update problem

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> [Non-text portions of this message have been removed]
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9598. RE: [orion565] Update problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-16 19:29:25 UTC
From: Wes Attaway (N5WA)
Topic: 9586 Message: 9598

One time I had a problem updating my Orion even though it had been easily updated many times before. I finally discovered that in reaching blindly behind the Orion I had plugged in a different serial cable that was not even connected to my computer.

---------- Wes Attaway (N5WA) ----------
1138 Waters Edge Circle, Shreveport, LA 71106
318-797-4972 (Office) - 318-393-3289 (Cell)
Computer Consulting and Forensics
---------- EnCase Certified Examiner ----------

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Stan
Sent: Tuesday, July 16, 2013 1:22 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Update problem

The version on the O2 now is 3.026. I have tried both 3.029 and 3.033xa with no luck. The same computer and serial port worked fine the last time I upgraded my original Orion. Yes, the serial port on the computer is set for 57,600. I am not aware of any way to change the communication settings in the O2.

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Stan, W4AG

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>] On Behalf Of Sam W Jacobs CET
Sent: Tuesday, July 16, 2013 1:12 PM
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] Update problem

What version software is currently in the O2 you purchased ? Is it 2.6xx or lower ?? You might want to see if another version might load, if so you might get it to load in steps ??

Anything else I can think of has already been asked by others. The only other thing is to triple check to make sure the software is set at 57,600 as the default is much lower and will NOT work. (all from memory, don't beat me up if my memory has a short in it)

73 !

Sam
K3SAM

_____
From: Stan <w4ag@... <mailto:w4ag%40yahoo.com>
<mailto:w4ag%40yahoo.com> >
To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
Sent: Tuesday, July 16, 2013 12:21 PM
Subject: RE: [orion565] Update problem

Yep, I am putting it in Flash Update Mode before running the update program.

From: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com> [mailto:orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com> <mailto:orion565%40yahoogroups.com>]
On Behalf Of Barry N1EU
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To: orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com>
<mailto:orion565%40yahoogroups.com>
Subject: Re: [orion565] Update problem

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<mailto:w4ag%40yahoo.com> > wrote:

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> Barry,
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> Yes, I used the same port as used for the control software.
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9599. Inrad #752 in an Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-16 21:22:17 UTC
From: tomwal59
Topic: 9599 Message: 9599

I am thinking of replacing the stock 1.8khz ssb roofing filter in my Orion 565 with an Inrad #752 2.1khz ssb filter. It seems to me as if the 1.8khz is a bit to narrow and maybe the 2.1khz might be a little better. Does any body who did this have any results to share. Was there much of an improvement. Thanks, Tom KJ7CY

9600. RE: [orion565] Update problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-16 21:23:14 UTC
From: Stan
Topic: 9586 Message: 9600

It is now working, after I picked up a Trendnet usb to serial converter at the closest computer store. It is weird that the Orion worked fine with the internal serial port card in the computer, but the Orion 2 will not. Anyway, thanks to everyone for the suggestions. I noticed that the default speed on the converter serial port was 9600, and it updated fine at that speed.

73,

Stan, W4AG

From: orion565@yahoogroups.com
[mailto:orion565@yahoogroups.com] On Behalf Of Wes Attaway (N5WA)
Sent: Tuesday, July 16, 2013 3:29 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Update problem

One time I had a problem updating my Orion even though it had been easily
updated many times before. I finally discovered that in reaching blindly
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connected to my computer.

---------- Wes Attaway (N5WA) ----------
1138 Waters Edge Circle, Shreveport, LA 71106
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From: orion565@yahoogroups.com
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[mailto:orion565@yahoogroups.com
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Sent: Tuesday, July 16, 2013 1:22 PM
To: orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>
Subject: RE: [orion565] Update problem

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> Behalf Of Barry N1EU
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9601. Re: [orion565] Inrad #752 in an Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-16 23:20:09 UTC
From: Barry N1EU
Topic: 9599 Message: 9601

You're not going to see much difference. The vast bulk of filtering is done in DSP. The roofing filter's action is only important for s9+ signals, and even then, it's far more important for cw than ssb due to the inherent spectral broadness of ssb signals.

Besides, there isn't even a setting in the Orion for a 2.1KHz roofing filter.

73, Barry N1EU

On Tue, Jul 16, 2013 at 9:22 PM, tomwal59 <tomwal59@...> wrote:

> **
>
>
> I am thinking of replacing the stock 1.8khz ssb roofing filter in my Orion
> 565 with an Inrad #752 2.1khz ssb filter. It seems to me as if the 1.8khz
> is a bit to narrow and maybe the 2.1khz might be a little better. Does any
> body who did this have any results to share. Was there much of an
> improvement. Thanks, Tom KJ7CY
>
>
>

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9602. Re: Inrad #752 in an Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-17 15:03:07 UTC
From: tomwal59
Topic: 9599 Message: 9602

From what I have read in order to use the 2.1khz filter you select the 1.8khz filter in the menu. Thanks Barry for your advice.

73's, Tom KJ7CY

--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> You're not going to see much difference. The vast bulk of filtering is
> done in DSP. The roofing filter's action is only important for s9+
> signals, and even then, it's far more important for cw than ssb due to the
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> > >
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> > >
> >
> > [Non-text portions of this message have been removed]
> >

9603. Re: Microphones compatable with Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-17 15:09:06 UTC
From: tomwal59
Topic: 9573 Message: 9603

I use the Heil GM-5 with it set to the narrow setting with good results. I have also used a Shure 444 with good results as well. Good luck.

73's, Tom KJ7CY

--- In orion565@yahoogroups.com, "Robert" <rbellah@...> wrote:
>
> I am currently using a Studio One on my Orion 1, I have a Regal 707 that for some reason the Orion does not like, distorted output. Have tried Ten Tec's settings and others with no luck. What Mic has been found to work well on the Orion other than a Ten Tec 706 or 708. Studio One does not give the bottom end the Regal gave on my Jupiter and I want that. I guess what I am after is Broadcast quality and would like some feed back from fellow Orion users that have succeeded.
>
> Thanks Robert KF5NXP
>

9604. Re: [orion565] Re: Inrad #752 in an Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-17 15:14:23 UTC
From: Barry N1EU
Topic: 9599 Message: 9604

If you do that, you won't activate the roofing filter until dsp selectivity
is 1.8KHz or narrower. Sorry, but this all sounds misguided to me.

73, Barry N1EU

On Wed, Jul 17, 2013 at 3:03 PM, tomwal59 <tomwal59@...> wrote:

> **
>
>
> From what I have read in order to use the 2.1khz filter you select the
> 1.8khz filter in the menu. Thanks Barry for your advice.
>
> 73's, Tom KJ7CY
>
>
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
> >
> > You're not going to see much difference. The vast bulk of filtering is
> > done in DSP. The roofing filter's action is only important for s9+
> > signals, and even then, it's far more important for cw than ssb due to
> the
> > inherent spectral broadness of ssb signals.
> >
> > Besides, there isn't even a setting in the Orion for a 2.1KHz roofing
> > filter.
> >
> > 73, Barry N1EU
> >
> > On Tue, Jul 16, 2013 at 9:22 PM, tomwal59 <tomwal59@...> wrote:
> >
> > > **
>
> > >
> > >
> > > I am thinking of replacing the stock 1.8khz ssb roofing filter in my
> Orion
> > > 565 with an Inrad #752 2.1khz ssb filter. It seems to me as if the
> 1.8khz
> > > is a bit to narrow and maybe the 2.1khz might be a little better. Does
> any
> > > body who did this have any results to share. Was there much of an
> > > improvement. Thanks, Tom KJ7CY
> > >
> > >
> > >

> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>

[Non-text portions of this message have been removed]

9605. RE:Orion I Mic

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-17 15:19:08 UTC
From: Skip K3CC
Topic: 9605 Message: 9605

I have a few mic's for my Orion
Currently I am using a Heil HM-12.

When I contest I use a Heil Pro Headset set on Narrow

I also tried a D-104, HM-12 Heil and Orion Heil Mic with a W2IHY box
save your money, it's not worth it.

I had the W2IHY 8 band EQ for my AM rig a Viking Valiant, it works well
with that rig.

de Skip K3CC

[Non-text portions of this message have been removed]

9606. Re: Microphones compatable with Orion 1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-17 18:13:40 UTC
From: w5kg
Topic: 9573 Message: 9606

Hello Robert, Glad to have met you at Ham-Com. As I told you then, I use a TT 709A and it works great with the Orion. It only cost about $69 with an 8 pin mic plug. At one time you could get it from TT as 709 that was with a 4 pin mic plug.
I also used the 709 with a Paragon, Pegasis, and a Yeasu FT950.
All work great with that mic.
73
W5KG, Don

--- In orion565@yahoogroups.com, "Robert" <rbellah@...> wrote:
>
> I am currently using a Studio One on my Orion 1, I have a Regal 707 that for some reason the Orion does not like, distorted output. Have tried Ten Tec's settings and others with no luck. What Mic has been found to work well on the Orion other than a Ten Tec 706 or 708. Studio One does not give the bottom end the Regal gave on my Jupiter and I want that. I guess what I am after is Broadcast quality and would like some feed back from fellow Orion users that have succeeded.
>
> Thanks Robert KF5NXP
>

9607. Re: Inrad #752 in an Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-18 07:42:16 UTC
From: pa1ap
Topic: 9599 Message: 9607

There is one option available and thats the static assignment of filter position... this way the choosen slot position will be used independent from dsp bandwidth. Far from ideal but the static option is there ;-). No experience on this side with special ssb filters besides the factory bandwidths...

I did find the 1800Hz filter very small but using the passband adjustments makes a positive difference. I typically set it to 200-300Hz to ensure the conversation spectrum is optimal. Strictly for contest events though...

I find myself using the 2400Hz filter a lot (with a tiny bit of passband for some stations) or just 3Khz depending band conditions.

Best regards, Onno
--- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> If you do that, you won't activate the roofing filter until dsp selectivity
> is 1.8KHz or narrower. Sorry, but this all sounds misguided to me.
>
> 73, Barry N1EU
>
> On Wed, Jul 17, 2013 at 3:03 PM, tomwal59 <tomwal59@...> wrote:
>
> > **
> > >
> > >
> > From what I have read in order to use the 2.1khz filter you select the
> > 1.8khz filter in the menu. Thanks Barry for your advice.
> > >
> > 73's, Tom KJ7CY
> > >
> > >
> > --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> > > >
> > > You're not going to see much difference. The vast bulk of filtering is
> > > done in DSP. The roofing filter's action is only important for s9+
> > > signals, and even then, it's far more important for cw than ssb due to
> > the
> > > inherent spectral broadness of ssb signals.
> > > >
> > > Besides, there isn't even a setting in the Orion for a 2.1KHz roofing
> > > filter.
> > > >
> > > 73, Barry N1EU
> > > >
> > > On Tue, Jul 16, 2013 at 9:22 PM, tomwal59 <tomwal59@> wrote:
> > > >

> > > > **
> >
> > > >
> > > >
> > > > I am thinking of replacing the stock 1.8khz ssb roofing filter in my
> > Orion
> > > > > 565 with an Inrad #752 2.1khz ssb filter. It seems to me as if the
> > 1.8khz
> > > > > is a bit to narrow and maybe the 2.1khz might be a little better. Does
> > any
> > > > > body who did this have any results to share. Was there much of an
> > > > > improvement. Thanks, Tom KJ7CY
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> > > > >
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> > >
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> > >
> >
> >
> > [Non-text portions of this message have been removed]
> >

9608. Re: Inrad #752 in an Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-18 15:20:13 UTC
From: tomwal59
Topic: 9599 Message: 9608

I will try the same thing with the passband. Thanks Onno, 73's Tom KJ7CY

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> There is one option available and thats the static assignment of filter position... this way the choosen slot position will be used independent from dsp bandwidth. Far from ideal but the static option is there ;-). No experience on this side with special ssb filters besides the factory bandwidths...
>
> I did find the 1800Hz filter very small but using the passband adjustments makes a positive difference. I typically set it to 200-300Hz to ensure the conversation spectrum is optimal. Strictly for contest events though...
>
> I find myself using the 2400Hz filter a lot (with a tiny bit of passband for some stations) or just 3Khz depending band conditions.
>
> Best regards, Onno
> --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> >
> > If you do that, you won't activate the roofing filter until dsp selectivity
> > is 1.8KHz or narrower. Sorry, but this all sounds misguided to me.
> >
> > 73, Barry N1EU
> >
> > On Wed, Jul 17, 2013 at 3:03 PM, tomwal59 <tomwal59@> wrote:
> >
> > > **
> > >
> > >
> > > From what I have read in order to use the 2.1khz filter you select the
> > > 1.8khz filter in the menu. Thanks Barry for your advice.
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> > > 73's, Tom KJ7CY
> > >
> > >
> > > --- In orion565@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> > > >
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> > > > done in DSP. The roofing filter's action is only important for s9+
> > > > signals, and even then, it's far more important for cw than ssb due to
> > > the
> > > > inherent spectral broadness of ssb signals.
> > > >
> > > > Besides, there isn't even a setting in the Orion for a 2.1KHz roofing
> > > > filter.

> > > >
> > > > 73, Barry N1EU
> > > >
> > > > On Tue, Jul 16, 2013 at 9:22 PM, tomwal59 <tomwal59@> wrote:
> > > >
> > > > > **
> > >
> > > > >
> > > > >
> > > > > I am thinking of replacing the stock 1.8khz ssb roofing filter in my
> > > Orion
> > > > > 565 with an Inrad #752 2.1khz ssb filter. It seems to me as if the
> > > 1.8khz
> > > > > is a bit to narrow and maybe the 2.1khz might be a little better. Does
> > > any
> > > > > body who did this have any results to share. Was there much of an
> > > > > improvement. Thanks, Tom KJ7CY
> > > > >
> > > > >
> > > > >
> > > > >
> > > > >
> > > > > [Non-text portions of this message have been removed]
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> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
>

9609. Re: Update problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-18 22:33:37 UTC
From: objectiveuser
Topic: 9586 Message: 9609

The Orion expects to see the DTR/DTS ON - that is, hardware handshaking should be enabled in your native serial port.

Terry N4TZ

--- In orion565@yahoogroups.com, "Stan" <w4ag@...> wrote:
>
> It is now working, after I picked up a Trendnet usb to
> serial converter at the closest computer store. It is weird
> that the Orion worked fine with the internal serial port
> card in the computer, but the Orion 2 will not. Anyway,
> thanks to everyone for the suggestions. I noticed that the
> default speed on the converter serial port was 9600, and it
> updated fine at that speed.
>
>
>
> 73,
>
> Stan, W4AG
>
>
>
> From: orion565@yahoogroups.com
> [mailto:orion565@yahoogroups.com] On Behalf Of Wes Attaway
> (N5WA)
> Sent: Tuesday, July 16, 2013 3:29 PM
> To: orion565@yahoogroups.com
> Subject: RE: [orion565] Update problem
>
>
>
>
>
>
> One time I had a problem updating my Orion even though it
> had been easily
> updated many times before. I finally discovered that in
> reaching blindly
> behind the Orion I had plugged in a different serial cable
> that was not even
> connected to my computer.
>
> ----------------- Wes Attaway (N5WA) -------------------
> 1138 Waters Edge Circle, Shreveport, LA 71106
> 318-797-4972 (Office) - 318-393-3289 (Cell)

> Computer Consulting and Forensics
> -------------- EnCase Certified Examiner ---------------
>
> _____
>
> From: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>] On Behalf
> Of Stan
> Sent: Tuesday, July 16, 2013 1:22 PM
> To: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> Subject: RE: [orion565] Update problem
>
> The version on the O2 now is 3.026. I have tried both 3.029
> and 3.033xa with
> no luck. The same computer and serial port worked fine the
> last time I
> upgraded my original Orion. Yes, the serial port on the
> computer is set for
> 57,600. I am not aware of any way to change the
> communication settings in
> the O2.
>
> 73,
>
> Stan, W4AG
>
> From: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On
> Behalf Of Sam W Jacobs CET
> Sent: Tuesday, July 16, 2013 1:12 PM
> To: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] Update problem
>
> What version software is currently in the O2 you purchased ?
> Is it 2.6xx or
> lower ?? You might want to see if another version might
> load, if so you
> might get it to load in steps ??
>
> Anything else I can think of has already been asked by
> others. The only

> other thing is to triple check to make sure the software is
> set at 57,600 as
> the default is much lower and will NOT work. (all from
> memory, don't beat me
> up if my memory has a short in it)
>
> 73 !
>
> Sam
> K3SAM
>
> _____
> From: Stan <w4ag@... <mailto:w4ag%40yahoo.com>
> <mailto:w4ag%40yahoo.com>
> <mailto:w4ag%40yahoo.com> >
> To: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Sent: Tuesday, July 16, 2013 12:21 PM
> Subject: RE: [orion565] Update problem
>
> Yep, I am putting it in Flash Update Mode before running the
> update program.
>
> From: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>]
> On Behalf Of Barry N1EU
> Sent: Tuesday, July 16, 2013 11:27 AM
> To: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] Update problem
>
> And you powered up the O2 while holding in the USER2 button
> to place it in
> Flash Update Mode?
>
> On Tue, Jul 16, 2013 at 3:17 PM, Stan <w4ag@...
> <mailto:w4ag%40yahoo.com>
> <mailto:w4ag%40yahoo.com> <mailto:w4ag%40yahoo.com>
> <mailto:w4ag%40yahoo.com> > wrote:
>

> > **
> >
> >
> > Barry,
> >
> > Yes, I used the same port as used for the control
> software.
> >
> > Stan, W4AG
> >
> > From: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
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> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On
> > Behalf Of Barry N1EU
> > Sent: Tuesday, July 16, 2013 10:28 AM
> > To: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > Subject: Re: [orion565] Update problem
> >
> >
> > This might be a dumb question Stan, but you did set the
> COM port under
> > Settings-setup to match the com port used in N4PY?
> >
> > 73/GL,
> > Barry N1EU
> >
> > On Tue, Jul 16, 2013 at 2:06 PM, Stan <w4ag@...
> <mailto:w4ag%40yahoo.com>
> <mailto:w4ag%40yahoo.com> <mailto:w4ag%40yahoo.com>
> <mailto:w4ag%40yahoo.com> <mailto: <mailto:%0b>
> > w4ag%40yahoo.com> > wrote:
> >
> > > **
> >
> > >
> > >
> > > I just bought an O2 over the weekend, and I am trying to
> > > update the software. I am getting the "Communication
> with

> > > the radio failed" message. The serial port is working
> fine
> > > with N4PY's control software (which of course is turned
> off
> > > when trying to update) and is set for 57600,8,N,1,no
> flow
> > > control. So, the radio and computer are successfully
> > > interfacing thru N4PY's software, but for some reason
> are
> > > not communicating directly. Any ideas?
> > >
> > > Thanks,
> > >
> > > Stan, W4AG
> > >
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> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
>

9610. RE: [orion565] Re: Update problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-19 01:42:49 UTC
From: Stan
Topic: 9586 Message: 9610

I just checked the default settings on the new usb/serial
interface I bought, and the handshaking was off. Somehow, it
still worked. But, I will keep this in mind in the future.

Thanks,

Stan, W4AG

From: orion565@yahoogroups.com
[mailto:orion565@yahoogroups.com] On Behalf Of objectiveuser
Sent: Thursday, July 18, 2013 6:34 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Update problem

The Orion expects to see the DTR/DTS ON - that is, hardware
handshaking should be enabled in your native serial port.

Terry N4TZ

--- In orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com> , "Stan" <w4ag@...>
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>
> It is now working, after I picked up a Trendnet usb to
> serial converter at the closest computer store. It is
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> card in the computer, but the Orion 2 will not. Anyway,
> thanks to everyone for the suggestions. I noticed that the
> default speed on the converter serial port was 9600, and
it
> updated fine at that speed.
>
>
>
> 73,
>
> Stan, W4AG
>
>
>
> From: orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>] On Behalf Of Wes
Attaway

> (N5WA)
> Sent: Tuesday, July 16, 2013 3:29 PM
> To: orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>
> Subject: RE: [orion565] Update problem
>
>
>
>
>
> One time I had a problem updating my Orion even though it
> had been easily
> updated many times before. I finally discovered that in
> reaching blindly
> behind the Orion I had plugged in a different serial cable
> that was not even
> connected to my computer.
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> ----------------- Wes Attaway (N5WA) -------------------
> 1138 Waters Edge Circle, Shreveport, LA 71106
> 318-797-4972 (Office) - 318-393-3289 (Cell)
> Computer Consulting and Forensics
> -------------- EnCase Certified Examiner --------------
>
> _____
>
> From: orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On Behalf
> Of Stan
> Sent: Tuesday, July 16, 2013 1:22 PM
> To: orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: RE: [orion565] Update problem
>
> The version on the O2 now is 3.026. I have tried both
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> and 3.033xa with
> no luck. The same computer and serial port worked fine the
> last time I
> upgraded my original Orion. Yes, the serial port on the
> computer is set for
> 57,600. I am not aware of any way to change the
> communication settings in
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> 73,
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> Stan, W4AG
>
> From: orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>
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<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On
> Behalf Of Sam W Jacobs CET
> Sent: Tuesday, July 16, 2013 1:12 PM
> To: orion565@yahoogroups.com
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> Subject: Re: [orion565] Update problem
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> What version software is currently in the O2 you purchased
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> Is it 2.6xx or
> lower ?? You might want to see if another version might
> load, if so you
> might get it to load in steps ??
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> up if my memory has a short in it)
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> Sam
> K3SAM
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> _____
> From: Stan <w4ag@...
<mailto:w4ag@...%20%3cmailto:w4ag%40yahoo.com>
<mailto:w4ag%40yahoo.com>
> <mailto:w4ag%40yahoo.com>
> <mailto:w4ag%40yahoo.com> >
> To: orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>

> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Sent: Tuesday, July 16, 2013 12:21 PM
> Subject: RE: [orion565] Update problem
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> Yep, I am putting it in Flash Update Mode before running
the
> update program.
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> From: orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
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> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>]
> On Behalf Of Barry N1EU
> Sent: Tuesday, July 16, 2013 11:27 AM
> To: orion565@yahoogroups.com
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> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> Subject: Re: [orion565] Update problem
>
> And you powered up the O2 while holding in the USER2
button
> to place it in
> Flash Update Mode?
>
> On Tue, Jul 16, 2013 at 3:17 PM, Stan <w4ag@...
<mailto:w4ag@...%0b>
> <mailto:w4ag%40yahoo.com>
> <mailto:w4ag%40yahoo.com> <mailto:w4ag%40yahoo.com>
> <mailto:w4ag%40yahoo.com> > wrote:
>
> > **
> >
> >
> > Barry,
> >
> > Yes, I used the same port as used for the control
> software.
> >
> > Stan, W4AG
> >
> > From: orion565@yahoogroups.com

<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> [mailto:orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>] On
> > Behalf Of Barry N1EU
> > Sent: Tuesday, July 16, 2013 10:28 AM
> > To: orion565@yahoogroups.com
<mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> <mailto:orion565%40yahoogroups.com>
> > Subject: Re: [orion565] Update problem
> >
> >
> > This might be a dumb question Stan, but you did set the
> COM port under
> > Settings-setup to match the com port used in N4PY?
> >
> > 73/GL,
> > Barry N1EU
> >
> > On Tue, Jul 16, 2013 at 2:06 PM, Stan <w4ag@...
<mailto:w4ag@...%0b>
> <mailto:w4ag%40yahoo.com>
> <mailto:w4ag%40yahoo.com> <mailto:w4ag%40yahoo.com>
> <mailto:w4ag%40yahoo.com> <mailto: <mailto:%0b>
> > w4ag%40yahoo.com> > wrote:
> >
> > > **
> >
> > >
> > >
> > > I just bought an O2 over the weekend, and I am trying
to
> > > update the software. I am getting the "Communication
> with
> > > the radio failed" message. The serial port is working
> fine
> > > with N4PY's control software (which of course is
turned
> off
> > > when trying to update) and is set for 57600,8,N,1,no

> flow
> > > control. So, the radio and computer are successfully
> > > interfacing thru N4PY's software, but for some reason
> are
> > > not communicating directly. Any ideas?
> > >
> > > Thanks,
> > >
> > > Stan, W4AG
> > >
> > > [Non-text portions of this message have been removed]
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>

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9611. Re: Update problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-19 05:25:41 UTC
From: pa1ap
Topic: 9586 Message: 9611

One myth which needs to be cleared up is the serial port settings. There is no reason to check / change the operating system serialport settings since the update program will do that automatically. Just like 99.9% of all other serial control based programs. Whatever the operating system has set for the serial port will be overwritten by the programs on top of the operating system.

It would be strange / weird if applications cannot control the serial port settings and require the user to change its settings prior to using software... very strange...

No need to worry about serial port settings. Best regards, Onno

--- In orion565@yahoogroups.com, "Stan" <w4ag@...> wrote:
>
> I just checked the default settings on the new usb/serial
> interface I bought, and the handshaking was off. Somehowr, it
> still worked. But, I will keep this in mind in the future.
>
>
>
> Thanks,
>
> Stan, W4AG
>
>
>
> From: orion565@yahoogroups.com
> [mailto:orion565@yahoogroups.com] On Behalf Of objectiveuser
> Sent: Thursday, July 18, 2013 6:34 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Update problem
>
>
>
>
>
>
> The Orion expects to see the DTR/DTS ON - that is, hardware
> handshaking should be enabled in your native serial port.
>
> Terry N4TZ
>
> --- In orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com> , "Stan" <w4ag@>
> wrote:
> >
> > It is now working, after I picked up a Trendnet usb to
> > serial converter at the closest computer store. It is

> weird
> > that the Orion worked fine with the internal serial port
> > card in the computer, but the Orion 2 will not. Anyway,
> > thanks to everyone for the suggestions. I noticed that the
> > default speed on the converter serial port was 9600, and
> it
> > updated fine at that speed.
> >
> >
> >
> > 73,
> >
> > Stan, W4AG
> >
> >
> >
> > From: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>] On Behalf Of Wes
> Attaway
> > (N5WA)
> > Sent: Tuesday, July 16, 2013 3:29 PM
> > To: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> > Subject: RE: [orion565] Update problem
> >
> >
> >
> >
> >
> > One time I had a problem updating my Orion even though it
> > had been easily
> > updated many times before. I finally discovered that in
> > reaching blindly
> > behind the Orion I had plugged in a different serial cable
> > that was not even
> > connected to my computer.
> >
> > ----------------- Wes Attaway (N5WA) -------------------
> > 1138 Waters Edge Circle, Shreveport, LA 71106
> > 318-797-4972 (Office) - 318-393-3289 (Cell)
> > Computer Consulting and Forensics
> > -------------- EnCase Certified Examiner ---------------
> >
> > _____
> >
> > From: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>

> > [mailto:orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>] On Behalf
> > Of Stan
> > Sent: Tuesday, July 16, 2013 1:22 PM
> > To: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > Subject: RE: [orion565] Update problem
> >
> > The version on the O2 now is 3.026. I have tried both
> 3.029
> > and 3.033xa with
> > no luck. The same computer and serial port worked fine the
> > last time I
> > upgraded my original Orion. Yes, the serial port on the
> > computer is set for
> > 57,600. I am not aware of any way to change the
> > communication settings in
> > the O2.
> >
> > 73,
> >
> > Stan, W4AG
> >
> > From: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>] On
> > Behalf Of Sam W Jacobs CET
> > Sent: Tuesday, July 16, 2013 1:12 PM
> > To: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > Subject: Re: [orion565] Update problem
> >
> > What version software is currently in the O2 you purchased
> ?
> > Is it 2.6xx or
> > lower ?? You might want to see if another version might
> > load, if so you
> > might get it to load in steps ??
> >
> > Anything else I can think of has already been asked by
> > others. The only

> > other thing is to triple check to make sure the software
> is
> > set at 57,600 as
> > the default is much lower and will NOT work. (all from
> > memory, don't beat me
> > up if my memory has a short in it)
> >
> > 73 !
> >
> > Sam
> > K3SAM
> >
> > _____
> > From: Stan <w4ag@
> <mailto:w4ag@%20%3cmailto:w4ag%40yahoo.com>
> <mailto:w4ag%40yahoo.com>
> > <mailto:w4ag%40yahoo.com>
> > <mailto:w4ag%40yahoo.com> >
> > To: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > Sent: Tuesday, July 16, 2013 12:21 PM
> > Subject: RE: [orion565] Update problem
> >
> > Yep, I am putting it in Flash Update Mode before running
> the
> > update program.
> >
> > From: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>]
> > On Behalf Of Barry N1EU
> > Sent: Tuesday, July 16, 2013 11:27 AM
> > To: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > Subject: Re: [orion565] Update problem
> >
> > And you powered up the O2 while holding in the USER2

> button
> > to place it in
> > Flash Update Mode?
> >
> > On Tue, Jul 16, 2013 at 3:17 PM, Stan <w4ag@
> <mailto:w4ag@%0b>
> > <mailto:w4ag%40yahoo.com>
> > <mailto:w4ag%40yahoo.com> <mailto:w4ag%40yahoo.com>
> > <mailto:w4ag%40yahoo.com> > wrote:
> >
> > > **
> > >
> > >
> > > Barry,
> > >
> > > Yes, I used the same port as used for the control
> > software.
> > >
> > > Stan, W4AG
> > >
> > > From: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > [mailto:orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>] On
> > > Behalf Of Barry N1EU
> > > Sent: Tuesday, July 16, 2013 10:28 AM
> > > To: orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > <mailto:orion565%40yahoogroups.com>
> > > Subject: Re: [orion565] Update problem
> > >
> > >
> > > This might be a dumb question Stan, but you did set the
> > COM port under
> > > Settings-setup to match the com port used in N4PY?
> > >
> > > 73/GL,
> > > Barry N1EU
> > >

> > > On Tue, Jul 16, 2013 at 2:06 PM, Stan <w4ag@
> <mailto:w4ag@%0b>
> > <mailto:w4ag%40yahoo.com>
> > <mailto:w4ag%40yahoo.com> <mailto:w4ag%40yahoo.com>
> > <mailto:w4ag%40yahoo.com> <mailto: <mailto:%0b>
> > > w4ag%40yahoo.com> > wrote:
> > >
> > > > **
> > >
> > > >
> > > >
> > > > I just bought an O2 over the weekend, and I am trying
> to
> > > > update the software. I am getting the "Communication
> > with
> > > > the radio failed" message. The serial port is working
> > fine
> > > > with N4PY's control software (which of course is
> turned
> > off
> > > > when trying to update) and is set for 57600,8,N,1,no
> > flow
> > > > control. So, the radio and computer are successfully
> > > > interfacing thru N4PY's software, but for some reason
> > are
> > > > not communicating directly. Any ideas?
> > > >
> > > > Thanks,
> > > >
> > > > Stan, W4AG
> > > >
> > > > [Non-text portions of this message have been removed]
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9613. Where to buy new LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-24 18:20:29 UTC
From: ea5zn
Topic: 9613 Message: 9613

Hello greetings to all, appreciate to know where you can buy a screen for my Orion 565.

I have read PA1AP documents, and according read the reference is: NHD-320240WG-ATMI-NZ

My current screen works fine, but I would like to have a new blue parts.

Grateful for your attention, and responses.

73, Salva, ea5zn.

9614. Re: [orion565] Where to buy new LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-24 18:46:55 UTC
From: James Skalski
Topic: 9613 Message: 9614

There are some newhaven displays on ebay. I think they are the same size although there are some differences.
You would have to compare the specs.
search for NHD-320240WG-AFFH-TZ#001-C

Jim n2go

_____
From: ea5zn <s.serrav@...>
To: orion565@yahoogroups.com
Sent: Wednesday, July 24, 2013 2:20 PM
Subject: [orion565] Where to buy new LCD

Hello greetings to all, appreciate to know where you can buy a screen for my Orion 565.

I have read PA1AP documents, and according read the reference is: NHD-320240WG-ATMI-NZ

My current screen works fine, but I would like to have a new blue parts.

Grateful for your attention, and responses.

73, Salva, ea5zn.

[Non-text portions of this message have been removed]

9615. Re: Where to buy new LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-24 19:11:56 UTC
From: larry.w9mdx
Topic: 9613 Message: 9615

Salva ... I would start at TenTec. I understand that a new display is about $160 US and is available. The contact information is on their internet web site. 73 -- Larry W9MDX

--- In orion565@yahoogroups.com, "ea5zn" <s.serrav@...> wrote:
>
> Hello greetings to all, appreciate to know where you can buy a screen for my Orion 565.
>
> I have read PA1AP documents, and according read the reference is: NHD-320240WG-ATMI-NZ
>
> My current screen works fine, but I would like to have a new blue parts.
>
> Grateful for your attention, and responses.
>
> 73, Salva, ea5zn.
>

9616. Re: Where to buy new LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-24 22:56:14 UTC
From: chasnels@bellsouth.net
Topic: 9613 Message: 9616

Does anyone have the part number for the replacement LCD display currently being sold by Ten-Tec?

Chas, N4FW

--- In orion565@yahoogroups.com, "larry.w9mdx" <yawhoo@...> wrote:
>
> Salva ... I would start at TenTec. I understand that a new display is about $160 US and is available. The contact information is on their internet web site. 73 -- Larry W9MDX
>
>
> --- In orion565@yahoogroups.com, "ea5zn" <s.serrav@> wrote:
> >
> > Hello greetings to all, appreciate to know where you can buy a screen for my Orion 565.
> >
> > I have read PA1AP documents, and according read the reference is: NHD-320240WG-ATMI-NZ
> >
> > My current screen works fine, but I would like to have a new blue parts.
> >
> > Grateful for your attention, and responses.
> >
> > 73, Salva, ea5zn.
> >
>

9617. Re: Where to buy new LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-07-25 02:36:17 UTC
From: storygene
Topic: 9613 Message: 9617

Hi Salva, Chas -

Just call or e-mail TEN-TEC. They will supply you a complete LCD display replacement which will be the Blue display that will provide you with a blue background and white characters or blue characters and white background.

You do not want to just purchase any display that may be the same size mechanically. There are definite differences in the logic circuits of the LCD display circuitry. And the power requirements can be different.

I know. I did a custom LCD in my Orion that was the result of much discussion between myself and another ham on the other side of the world who is much MUCH smarter than I am. While I have designed mainframe computers and process control systems in years past, I am sorely out of touch with much of today's electronics. However, we accomplished my "radio surgery" via email text and a few photographs. My LCD worked perfectly on the first power up. But trust me; at this time if you need to change your display, get the kit from T-T. It's cheap @ $150 plus shipping.

Onno / PA1AP's excellent information along with that provided by T-T make the T-T replacement kit easy enough if you have excellent mechanical AND electronic skills. More mechanical in the case of this kit but if you are not savvy on the damage you can render in an expensive radio, then send your radio to T-T and have them do it for you, for whatever they charge.

Gene Story / K7TXO

--- In orion565@yahoogroups.com, "ea5zn" <s.serrav@...> wrote:
>
> Hello greetings to all, appreciate to know where you can buy a screen for my Orion 565.
>
> I have read PA1AP documents, and according read the reference is: NHD-320240WG-ATMI-NZ
>
> My current screen works fine, but I would like to have a new blue parts.
>
> Grateful for your attention, and responses.
>
> 73, Salva, ea5zn.
>

9618. calibrate power meter for Orion???

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-10 04:06:11 UTC
From: kzerofl
Topic: 9618 Message: 9618

Can some one please post the method of adjusting the power read out for the 565 Orion? When I measure 50 watts output from the radio the radio meter says it's 80. Info would be appreciated.

73 de Tim

9619. Re: Where to buy new LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-10 23:04:38 UTC
From: ea5zn
Topic: 9613 Message: 9619

Hello again, thank you all for the answers, and sorry for to answer before, but I've been on vacation a few days.

The best option is to order a new TEN-TEC, while searching the internet if possible purchase indicating PA1AP, with a difference, which is currently sold: VZ-Built-in Negative Voltage, while the original described in is printed article: NZ-Without Negative Voltage.

It is available at: http://www.newhavendisplay.com/nhd320240wgatmivz-p-1218.html

Do not know if it will be possible to make it work properly in the Orion.

Thank you all for your responses to this topic.

73, Salva, EA5ZN.

--- In orion565@yahoogroups.com, "ea5zn" <s.serrav@...> wrote:
>
> Hello greetings to all, appreciate to know where you can buy a screen for my Orion 565.
>
> I have read PA1AP documents, and according read the reference is: NHD-320240WG-ATMI-NZ
>
> My current screen works fine, but I would like to have a new blue parts.
>
> Grateful for your attention, and responses.
>
> 73, Salva, ea5zn.
>

9620. New poll for orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-11 16:14:10 UTC
From: orion565@yahoogroups.com
Topic: 7 Message: 9620

Enter your vote today! A new poll has been created for the
orion565 group:

If you could purchase a 565 Orion replacement LCD of these 3 types, which would you prefer?

o Blue/White w/same view angle, Kit form, Some soldering needed = $85 estimated USD price excluding shipment.
o Gray/White w/wide angle view, Kit form, Some soldering needed = $105 estimated USD price excluding shipment.
o Two color (any color) display, Wide viewing angle, Kit form, Some soldering needed = $160 estimated USD price excluding shipment.

To vote, please visit the following web page:
http://groups.yahoo.com/group/orion565/surveys?id=13187672

Note: Please do not reply to this message. Poll votes are
not collected via email. To vote, you must go to the Yahoo! Groups
web site listed above.

Thanks!

9621. Re: New poll for orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-11 17:20:32 UTC
From: N1EU
Topic: 7 Message: 9621

I'd really like an amber on black display for my 565, so I voted for the any color display.

73, Barry N1EU

--- In orion565@yahoogroups.com, orion565@yahoogroups.com wrote:
>
>
> Enter your vote today! A new poll has been created for the
> orion565 group:
>
> If you could purchase a 565 Orion replacement LCD of these 3 types, which would you prefer?
>
> o Blue/White w/same view angle, Kit form, Some soldering needed = $85 estimated USD price excluding shipment.
> o Gray/White w/wide angle view, Kit form, Some soldering needed = $105 estimated USD price excluding shipment.
> o Two color (any color) display, Wide viewing angle, Kit form, Some soldering needed = $160 estimated USD price excluding shipment.
>
>
> To vote, please visit the following web page:
> http://groups.yahoo.com/group/orion565/surveys?id=13187672
>
> Note: Please do not reply to this message. Poll votes are
> not collected via email. To vote, you must go to the Yahoo! Groups
> web site listed above.
>
> Thanks!
>

9622. RE: [orion565] Re: Where to buy new LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-12 15:59:35 UTC
From: Stan
Topic: 9613 Message: 9622

Salva,

I ordered one of the new blue screens from Ten-Tec. It is a slightly different model number from the one Ohno bought and it does not have the flicker problem when using a white screen that others have reported. I am very happy with it.

Good luck,

Stan, W4AG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of ea5zn
Sent: Saturday, August 10, 2013 7:05 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Where to buy new LCD

Hello again, thank you all for the answers, and sorry for to answer before, but I've been on vacation a few days.

The best option is to order a new TEN-TEC, while searching the internet if possible purchase indicating PA1AP, with a difference, which is currently sold: VZ-Built-in Negative Voltage, while the original described in is printed article: NZ-Without Negative Voltage.

It is available at:
http://www.newhavendisplay.com/nhd320240wgatmivz-p-1218.html

Do not know if it will be possible to make it work properly in the Orion.

Thank you all for your responses to this topic.

73, Salva, EA5ZN.

--- In orion565@yahoogroups.com <mailto:orion565%40yahoogroups.com> , "ea5zn" <s.serrav@...> wrote:
>
> Hello greetings to all, appreciate to know where you can buy a screen for my Orion 565.
>
> I have read PA1AP documents, and according read the reference is: NHD-320240WG-ATMI-NZ
>
> My current screen works fine, but I would like to have a new blue parts.

>
> Grateful for your attention, and responses.
>
> 73, Salva, ea5zn.
>

[Non-text portions of this message have been removed]

9623. Orion-II, low RF output when first powered on

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-13 16:10:09 UTC
From: NE7X
Topic: 9623 Message: 9623

Tentec Orion-II, serial number: 06C10225

ISSUE:

I noticed when the radio was first powered on and transmit keyed, there was only about 5 watts of RF output. However after about 1 or 2 minutes it had full RF power output. I did not give it much thought. As time went on, months and months, the issue went to 2 minutes, then to 3 minutes, then to 4 minutes, until it became over 15 and sometimes up to 20 minutes. Once it does finally come up to full 100 watts RF output power, its works solid. Power stays up, even during long contest weekends. I have also observed, when the Orion-II is only putting out 5 watt, the RF meter indicates zero, and in FM mode, it puts out about 10 watts.

FIX:

Using a heat gun with a ¼ inch nozzle and some freeze spray coolant I was able to find the issue. When heating and cooling the three small blue color plastic trimmer pots labeled ALC, RF and REF on the A5 board (board under speaker), the problem would come and go, like turning on/off a switch. Using some electronic contact spray cleaner while rotating the pot wipers back-n-forward a ¼ turn, it resolved the issue. Now when using heat and coolant, the transmitter stays 100% 100 watts RF output. Using a dummy load and RF watt meter, I reset the RF output back to 100 watts full scale. NOTE: You can adjust the RF section up to 140 watts output. I decided not to do so in concern the RF outputs may overhead and have a shorter life.

9624. Problems With Setting Power Reading on Panel Meter -- AM Problems

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-13 23:38:44 UTC
From: larry.w9mdx
Topic: 9624 Message: 9624

A while back I posted regarding a problem that I was having with a newly acquired Orion 565 on AM mode. I received no replies. It appears that I have found what caused the problem and many (I mean many) Orion 565's and 566's may have the same problem but it goes undetected because not that many people with an Orion, works AM! It is part of a larger problem however.

The RF output sensor circuit is pretty straightforward using a toroid and some diodes and other parts. It feeds the meter and generally indicates power output and SWR for the transmitter. The built in processor also references this circuit when automatically setting the AM carrier power to 25 watts.

The diodes are in a part of the radio where they can be affected by many things, including static damage from having the antenna connected during a storm etc. I found the readings on my front panel meter to be correct when indicating 100 watts output when checked on a dummy load and a known good external wattmeter, however, way off when reading lower power.

The radio worked well on SSB and CW but when I switched to AM, the radio would produce no more than 3 to 5 watts of carrier. TT service pointed to the very expensive data board as a probable fix and at $625 I could take the chance with no guarantees.

I worked on this for a couple of months and even found a procedure on the TTWiki for setting the "RF""SWR" and "ALC" pots but kept ignoring it. It seemed that the processor must get some indication of rf power output from somewhere but I kept thinking about the 100 watt reading was right on.

One day, I just got a wild hair and connected a dummy load and a known accurate wattmeter to the Orion and started at it. The procedure that I referenced didn't seem to make a lot of sense so I took a common sense approach to it.

I set the PWR/Multi control to 100 and saw 100 watts on the external wattmeter and on the Orion panel meter. No surprise but when I began to reduce the PWR/Multi control the readings below about 80 watts were very far off. Resetting the calibration of that meter with the "RF" control on the board under the speaker inside the Orion was quite interesting. I first set the output to 50 watts on the external wattmeter and then set the control so that the panel meter said 50 watts. Interestingly, the power output readings were very accurate up to 80 watts and as the transmitter power was increased beyond that, the meter kept indicating 80 watts.

Now the cute part. When the Orion was placed into the AM mode and keyed ... the processor set the carrier to 20 watts! That's not far from the 25 watt spec, the way it was supposed to act.

There was an earlier post today regarding problems with the power output indications and cleaning and resetting those same 3 pots. I emailed Thomas and found that his Orion II is now putting out a 10 watt carrier after he readjusted those pots. Not good! There is a documented procedure on the TTWiki but it is vague and not easy to follow and says nothing about the affect of those adjustments on AM operation.

My guess is that many Orion owners will experience totally normal operation of their transceiver but if they tried the AM mode, they would see carrier outputs all over the place, many times making the radio unusable on AM. This may be OK up until you sell the radio to an AM'er!! In my case 3 watts of carrier wasn't enough to drive any amplifier I own to usable power levels and don't underestimate the Orion's AM capabilities. It is very very good.

I have been using mine on AM for the past couple of weeks and it's working great now! Google and Bing have become close friends as a result of this problem but there is no information on the internet about this adjustment. I could have saved many hours of troubleshooting and work had this been well documented. I hope this helps!

73--Larry W9MDX

9625. ALC

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-14 13:50:59 UTC
From: Robert
Topic: 9625 Message: 9625

Anyone had any problems with their ALC not working any more, my Orion 1 stopped working and was wondering if this is a fixable problem at home or an adjustment.

9626. Re: Orion-II, low RF output when first powered on

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-15 07:36:31 UTC
From: pa1ap
Topic: 9623 Message: 9626

Excellent finding and thank you for sharing the fix too!

--- In orion565@yahoogroups.com, "NE7X" <ham_groups@...> wrote:
>
> Tentec Orion-II, serial number: 06C10225
>
> ISSUE:
>
> I noticed when the radio was first powered on and transmit keyed, there was only about 5 watts of RF output. However after about 1 or 2 minutes it had full RF power output. I did not give it much thought. As time went on, months and months, the issue went to 2 minutes, then to 3 minutes, then to 4 minutes, until it became over 15 and sometimes up to 20 minutes. Once it does finally come up to full 100 watts RF output power, its works solid. Power stays up, even during long contest weekends. I have also observed, when the Orion-II is only putting out 5 watt, the RF meter indicates zero, and in FM mode, it puts out about 10 watts.
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> FIX:
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> Using a heat gun with a ¼ inch nozzle and some freeze spray coolant I was able to find the issue. When heating and cooling the three small blue color plastic trimmer pots labeled ALC, RF and REF on the A5 board (board under speaker), the problem would come and go, like turning on/off a switch. Using some electronic contact spray cleaner while rotating the pot wipers back-n-forward a ¼ turn, it resolved the issue. Now when using heat and coolant, the transmitter stays 100% 100 watts RF output. Using a dummy load and RF watt meter, I reset the RF output back to 100 watts full scale. NOTE: You can adjust the RF section up to 140 watts output. I decided not to do so in concern the RF outputs may overhead and have a shorter life.
>

9627. Re: Problems With Setting Power Reading on Panel Meter -- AM Problems

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-16 08:52:51 UTC
From: Mark
Topic: 9624 Message: 9627

Thanks!
Very informative, much appreciated.
73 Mark, PA5MW

9628. Re: [orion565] Problems With Setting Power Reading on Panel Meter -- AM Problems

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-16 12:17:29 UTC
From: Barry N1EU
Topic: 9624 Message: 9628

Thanks for the post Larry. I agree that the Orion is an exceptionally good AM xcvr. When 10M is open, I frequently work a lot of AM into Europe and western USA. I get uniformly excellent tx audio reports.

I haven't had too much of a problem with RF output but do notice that when I first key the transmitter, it takes a few seconds for the carrier power to ramp up.

I'll add your troubleshooting notes to the TT Wiki.

73, Barry N1EU

On Tue, Aug 13, 2013 at 7:38 PM, larry.w9mdx <yawhoo@...> wrote:

> **
>
>
> A while back I posted regarding a problem that I was having with a newly
> acquired Orion 565 on AM mode. I received no replies. It appears that I
> have found what caused the problem and many (I mean many) Orion 565's and
> 566's may have the same problem but it goes undetected because not that
> many people with an Orion, works AM! It is part of a larger problem however.
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> The RF output sensor circuit is pretty straightforward using a toroid and
> some diodes and other parts. It feeds the meter and generally indicates
> power output and SWR for the transmitter. The built in processor also
> references this circuit when automatically setting the AM carrier power to
> 25 watts.
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> The diodes are in a part of the radio where they can be affected by many
> things, including static damage from having the antenna connected during a
> storm etc. I found the readings on my front panel meter to be correct when
> indicating 100 watts output when checked on a dummy load and a known good
> external wattmeter, however, way off when reading lower power.
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> The radio worked well on SSB and CW but when I switched to AM, the radio
> would produce no more than 3 to 5 watts of carrier. TT service pointed to
> the very expensive data board as a probable fix and at $625 I could take
> the chance with no guarantees.
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> I worked on this for a couple of months and even found a procedure on the
> TTWiki for setting the "RF""SWR" and "ALC" pots but kept ignoring it. It
> seemed that the processor must get some indication of rf power output from
> somewhere but I kept thinking about the 100 watt reading was right on.
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> One day, I just got a wild hair and connected a dummy load and a known
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> Now the cute part. When the Orion was placed into the AM mode and keyed
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> My guess is that many Orion owners will experience totally normal
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> I could have saved many hours of troubleshooting and work had this been
> well documented. I hope this helps!
>
> 73--Larry W9MDX
>
>
>

[Non-text portions of this message have been removed]

9629. For Sale: DB15-TT-OR Orion to microHAM cable

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-17 17:35:55 UTC
From: n3xx
Topic: 9629 Message: 9629

For Sale: DB15-TT-OR cable, for connection of Orion and Orion II xcvrs to microHAM USB Interface II, USB Interface III, Digikeyer or Digikeyer II.

The cable is in like new condition. I no longer have the Orion, so don't need the cable now.

New price from microHAM is $70. My price is $35, and shipping is free to USA.

Please send email off list if interested to n3xx@charter.net .

Tnx & 73,
Tim - N3XX

9630. 566 Sub Rcvr Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-19 13:28:35 UTC
From: ki4ps
Topic: 9630 Message: 9630

What is the acceptable level of received audio on the sub receiver when it's not selected?

I keep the sub receiver AF control muted when not in use. If I turn up the volume, and there is a signal on the sub receiver frequency I hear it. It's not loud as if you select the sub receiver.

All this is on the same antenna.

If I move the sub frequency to the RX antenna only I still hear the signal.

???????

Jerry
ki4ps
Orion II

9631. Re: [orion565] 566 Sub Rcvr Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-19 13:45:55 UTC
From: Rod Greene
Topic: 9630 Message: 9631

Jerry,

On my O2, when I have the "audio" control set to just "main" for both left and right channels, I only hear the main rx no matter how strong the signal in rx2 happens to be. This works for either a headset or the internal speaker. If I set the "audio" control so that the headset "right" is either "both" or "sub", and the volume is turned all the way down on rx2, I still don't hear anything from rx2 for the strong signal on the sub receiver.

I am using a Yamaha CM500 headset or the internal speaker in my O2. My internal second rx is the stock one, not the new high performance one. I am using firmware in the radio version 3.029.

Hope this helps some.

73,

Rod/w7zrc

>_____
> From: ki4ps <ki4ps@...m>
>To: orion565@yahoogroups.com
>Sent: Monday, August 19, 2013 7:28 AM
>Subject: [orion565] 566 Sub Rcvr Audio
>
>
>
>
>What is the acceptable level of received audio on the sub receiver when it's not selected?
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>All this is on the same antenna.
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>If I move the sub frequency to the RX antenna only I still hear the signal.
>
>???????
>
>Jerry
>ki4ps
>Orion II
>
>
>

>
>

[Non-text portions of this message have been removed]

9632. Re: [orion565] 566 Sub Rcvr Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-19 17:45:49 UTC
From: Sam W Jacobs CET
Topic: 9630 Message: 9632

While we are on the subject, see if this happens to you.

With the MAIN VFO set to one frequency and the SUB set to another frequency, BOTH in the same band (15, 20, 40, 75, etc but not one in 15 and the other in 75) and you have the audio selection set to BOTH, if I increase the volume of the sub it will sooner or later wipe out the main.

In my test just now, I used the 40 meter band and had the Main on ECARS (7.255) and the Sub on Westcars (I think) (7.258). With ECARS coming in really strong, increasing the sub will knock it right out.

That really shouldn't happen. The two should mix.

I'm not sure what Jerry means by "acceptable level". Any level is acceptable if you can hear it.

73 !

Sam
K3SAM

From: Rod Greene <w7zrc@...>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Sent: Monday, August 19, 2013 9:45 AM
Subject: Re: [orion565] 566 Sub Rcvr Audio

Jerry,

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Hope this helps some.

73,

Rod/w7zrc

>---
> From: ki4ps <ki4ps@...>

>To: orion565@yahoogroups.com
>Sent: Monday, August 19, 2013 7:28 AM
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>
>Jerry
>ki4ps
>Orion II
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>
>

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9633. PRO Audio and the ORION II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-19 18:34:38 UTC
From: Sam
Topic: 9633 Message: 9633

THIS ASSUMES YOU ARE RUNNING MORE THAN 500 WATTS. The following doesn't not occur at the stock 100 Watt level.

Anyone else running external audio equipment with their Orion II ? I don't know if this applies to the Orion I or not, but feel free to jump in.

I am running the W2IHY 8 Band EQ, Plus the W2IHY EQPlus along with the Symetrix 528e Voice Processor.

I always get super audio reports on all bands except 75 meters, where I'm told there is a noise riding on my audio that is similar to RF, with raspy like hot audio. I have tried everything to eliminate this without any luck so far (work in progress). I should say that I get this problem even without all the audio equipment in line. The radio was back at the factory a few months back for another issue, but was found to be clean when tested for this.

I've tried:
GROUNDING
REMOVING THE GROUNDS
GROUNDING selected pieces.
Using clip on ferrite beads
Moving the coax to different locations
Rerouting the coax
Making all new cords.
Different Mics
Different Antennas
Different Frequencies within the 75 meter band
and others that I can't think of right now.

Anyone else have any problems on 75 meters, or perhaps you are having problems on another band ?

Just comparing notes.
BTW, these problems are NOT present If I connect my ICOM 756pro.

73,
Sam
K3SAM

[Non-text portions of this message have been removed]

9634. RE: [orion565] PRO Audio and the ORION II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-19 18:44:31 UTC
From: Duane Calvin
Topic: 9633 Message: 9634

How about if you remove the audio enhancement equipment and just use a mic to the Orion? I had a problem with the W2IHY 8 Band EQ connected to my Orion when I ran my Alpha 99. Low power, no problem. Alpha on, big problem. It wasn□t just the low bands either. Julius worked with me and thought he had a solution, but after a while I just gave up and asked him for a refund. He was easy to work with, and was still wanting to try other possibilities, but I wasn't willing to go further with it, so I don't blame him. I've had no problems with different microphones, or with my microHam digiKeyer connected to the Orion. That's my experience with an original Orion that has had the microphone input mod put on by the factory.

Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Sam
Sent: Monday, August 19, 2013 1:35 PM
To: orion565@yahoogroups.com
Subject: [orion565] PRO Audio and the ORION II

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Anyone else have any problems on 75 meters, or perhaps you are having problems on another band ?

Just comparing notes.
BTW, these problems are NOT present If I connect my ICOM 756pro.

73,
Sam
K3SAM

[Non-text portions of this message have been removed]

Yahoo! Groups Links

9635. Re: [orion565] 566 Sub Rcvr Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-19 20:37:22 UTC
From: Rod Greene
Topic: 9630 Message: 9635

I tried your test scenario as you proposed it. The sub will overcome the main when the audio level is set higher on the sub than it is on the main. Just using the bar graph for the audio level reading on each rx. When the sub audio level is set considerably higher than the main, the sub prevails. Even when the sub rx audio level is set 2X higher than the main, I can still hear a little of the main coming through. The two do mix, and the skew to the sub increases proportionately as you would expect. I think this is correct action.

73, Rod/w7zrc

>_____
> From: Sam W Jacobs CET <Sam@...>
>To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
>Sent: Monday, August 19, 2013 11:45 AM
>Subject: Re: [orion565] 566 Sub Rcvr Audio
>
>
>
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>While we are on the subject, see if this happens to you.
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>73 !
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>Sam
>K3SAM
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>_____
>From: Rod Greene <w7zrc@...>
>To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
>Sent: Monday, August 19, 2013 9:45 AM
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>>ki4ps
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9636. Re: PRO Audio and the ORION II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-19 22:02:32 UTC
From: pa1ap
Topic: 9633 Message: 9636

Sounds like rf is getting into your orion. Perhaps the magic hand trick might privode some clue? While transmitting touch the various devices around your orion to see if the rfi changes... if so, you have figure out better decoupling... each wire except your true ground wire should have a good choke. Most logical to detach all optional cables and attach them one by one until the issue occurs or get seriously bad. Also check the mic connection and confirm the mic negative does not connect to chassis... if latter is the case its no good...good luck and I hope you can isolate root cause. Best regards, Onno

--- In orion565@yahoogroups.com, "Duane Calvin" <ac5aa1@...> wrote:
>
> How about if you remove the audio enhancement equipment and just use a mic
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>
> Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
>
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> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Sam
> Sent: Monday, August 19, 2013 1:35 PM
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> Subject: [orion565] PRO Audio and the ORION II
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> 73,
> Sam
> K3SAM
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> [Non-text portions of this message have been removed]
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>
> Yahoo! Groups Links
>

9637. Re: [orion565] 566 Sub Rcvr Audio

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-19 23:14:41 UTC
From: Jerry Rogers
Topic: 9630 Message: 9637

Well I'm trying to follow the last comments. I did find that my sub receivers RF gain was at 100%. I usually keep it at 50%. Even the main stays about 50/60%.

Since I lowered the sub's RF gain the bleed thru is very very low. FYI: If the sub's volume is muted or at minimum, there is no audio from the sub.

On another point, if I'm listening to a signal on the main, then have the sub on the same band where there is no signal, increasing the sub volume up high (sub receiver selected) will cover up the mains signal. A good test to show how noise can cover up a signal.

Anyway, it seems I've fixed my problem by lowering the sub's RF gain.

Jerry
ki4ps

On Aug 19, 2013, at 4:37 PM, Rod Greene <w7zrc@...> wrote:

> I tried your test scenario as you proposed it. The sub will overcome the main when the audio level is set higher on the sub than it is on the main. Just using the bar graph for the audio level reading on each rx. When the sub audio level is set considerably higher than the main, the sub prevails. Even when the sub rx audio level is set 2X higher than the main, I can still hear a little of the main coming through. The two do mix, and the skew to the sub increases proportionately as you would expect. I think this is correct action.
>
> 73, Rod/w7zrc
>
> >_____
> > From: Sam W Jacobs CET <Sam@...>
> >To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
> >Sent: Monday, August 19, 2013 11:45 AM
> >Subject: Re: [orion565] 566 Sub Rcvr Audio
> >
> >
> >
> >
> >While we are on the subject, see if this happens to you.
> >
> >With the MAIN VFO set to one frequency and the SUB set to another frequency, BOTH in the same band (15, 20, 40, 75, etc but not one in 15 and the other in 75) and you have the audio selection set to BOTH, if I increase the volume of the sub it will sooner or later wipe out the main.
> >
> >In my test just now, I used the 40 meter band and had the Main on ECARS (7.255) and the Sub on Westcars (I think) (7.258). With ECARS coming in really strong, increasing the sub will knock it right out.
> >

> >That really shouldn't happen. The two should mix.
> >
> >I'm not sure what Jerry means by "acceptable level". Any level is acceptable if you can hear it.
> >
> >
> >73 !
> >
> >Sam
> >K3SAM
> >
> >_____
> >From: Rod Greene <w7zrc@...>
> >To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
> >Sent: Monday, August 19, 2013 9:45 AM
> >Subject: Re: [orion565] 566 Sub Rcvr Audio
> >
> >
> >
> >Jerry,
> >
> >On my O2, when I have the "audio" control set to just "main" for both left and right channels, I only hear the main rx no matter how strong the signal in rx2 happens to be. This works for either a headset or the internal speaker. If I set the "audio" control so that the headset "right" is either "both" or "sub", and the volume is turned all the way down on rx2, I still don't hear anything from rx2 for the strong signal on the sub receiver.
> >
> >I am using a Yamaha CM500 headset or the internal speaker in my O2. My internal second rx is the stock one, not the new high performance one. I am using firmware in the radio version 3.029.
> >
> >Hope this helps some.
> >
> >73,
> >
> >Rod/w7zrc
> >
> >>_____
> >> From: ki4ps <ki4ps@...>
> >>To: orion565@yahoogroups.com
> >>Sent: Monday, August 19, 2013 7:28 AM
> >>Subject: [orion565] 566 Sub Rcvr Audio
> >>
> >>
> >>
> >>
> >>What is the acceptable level of received audio on the sub receiver when it's not selected?
> >>

> >>I keep the sub receiver AF control muted when not in use. If I turn up the volume, and there is a signal on the sub receiver frequency I hear it. It's not loud as if you select the sub receiver.
> >>
> >>All this is on the same antenna.
> >>
> >>If I move the sub frequency to the RX antenna only I still hear the signal.
> >>
> >>???????
> >>
> >>Jerry
> >>ki4ps
> >>Orion II
> >>
> >>
> >>
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> >
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9638. Re: [orion565] PRO Audio and the ORION II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-20 01:56:25 UTC
From: Normh
Topic: 9633 Message: 9638

Hi Sam.

Do you have the microphone mod that is inserted on the mic connector by removing the front panel? I received from TT Gratis. I found that a key that was plugged in contributed to my RFI.

Good luck

73
Norm
W0HI

From: Sam <Sam@...>
To: orion565@yahoogroups.com
Sent: Monday, August 19, 2013 2:34 PM
Subject: [orion565] PRO Audio and the ORION II

THIS ASSUMES YOU ARE RUNNING MORE THAN 500 WATTS. The following doesn't not occur at the stock 100 Watt level.

Anyone else running external audio equipment with their Orion II ? I don't know if this applies to the Orion I or not, but feel free to jump in.

I am running the W2IHY 8 Band EQ, Plus the W2IHY EQPlus along with the Symetrix 528e Voice Processor.

I always get super audio reports on all bands except 75 meters, where I'm told there is a noise riding on my audio that is similar to RF, with raspy like hot audio. I have tried everything to eliminate this without any luck so far (work in progress). I should say that I get this problem even without all the audio equipment in line. The radio was back at the factory a few months back for another issue, but was found to be clean when tested for this.

I've tried:
GROUNDING
REMOVING THE GROUNDS
GROUNDING selected pieces.
Using clip on ferrite beads
Moving the coax to different locations
Rerouting the coax
Making all new cords.
Different Mics
Different Antennas
Different Frequencies within the 75 meter band

and others that I can't think of right now.

Anyone else have any problems on 75 meters, or perhaps you are having problems on another band ?

Just comparing notes.
BTW, these problems are NOT present If I connect my ICOM 756pro.

73,
Sam
K3SAM

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9639. Re: [orion565] PRO Audio and the ORION II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-20 03:25:29 UTC
From: Sam W Jacobs CET
Topic: 9633 Message: 9639

Did not know of such a mod Norm. Do you have a TT part number ?
I've had the front panel off three times already to put in a new 10 year lithium battery (lol, 10 year battery that needs replaced every year ?) so I'm sure putting the mod in isn't too much harder than that.

73 !

Sam
K3SAM

From: Normh <normhh@...>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Sent: Monday, August 19, 2013 9:56 PM
Subject: Re: [orion565] PRO Audio and the ORION II

Hi Sam.

Do you have the microphone mod that is inserted on the mic connector by removing the front panel? I received from TT Gratis. I found that a key that was plugged in contributed to my RFI.

Good luck

73
Norm
W0HI

From: Sam <Sam@...>
To: orion565@yahoogroups.com
Sent: Monday, August 19, 2013 2:34 PM
Subject: [orion565] PRO Audio and the ORION II

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I am running the W2IHY 8 Band EQ, Plus the W2IHY EQPlus along with the Symetrix 528e Voice Processor.

I always get super audio reports on all bands except 75 meters, where I'm told there is a noise riding on my audio that is similar to RF, with raspy like hot audio. I have tried everything to eliminate this without any luck so far (work in progress). I should say that I get this

problem even without all the audio equipment in line. The radio was back at the factory a few months back for another issue, but was found to be clean when tested for this.

I've tried:
GROUNDING
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and others that I can't think of right now.

Anyone else have any problems on 75 meters, or perhaps you are having problems on another band ?

Just comparing notes.
BTW, these problems are NOT present If I connect my ICOM 756pro.

73,
Sam
K3SAM

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[Non-text portions of this message have been removed]

9640. Re: [orion565] PRO Audio and the ORION II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-20 04:06:53 UTC
From: Normh
Topic: 9633 Message: 9640

Hi Sam
I don't know the part number.

Remove the front cover and check the lead going from the mic. connector. I think it is #21 . If there is a slight bump " aka ferrite bead" then you already have the mod. If no "bump" Call TT Service and ask for the mod. He asked me to check if I had the mod. So save some time and check before you call.hi hi.

I am now a stock holder in ferrite since I got he ORION. But thats ok..I like the darn thing.

Hope you get it solved
73,
Norm

From: Sam W Jacobs CET <Sam@...>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Sent: Monday, August 19, 2013 11:25 PM
Subject: Re: [orion565] PRO Audio and the ORION II

Did not know of such a mod Norm. Do you have a TT part number ?
I've had the front panel off three times already to put in a new 10 year lithium battery (lol, 10 year battery that needs replaced every year ?) so I'm sure putting the mod in isn't too much harder than that.

73 !

Sam
K3SAM

From: Normh <normhh@...>
To: "orion565@yahoogroups.com" <orion565@...m>
Sent: Monday, August 19, 2013 9:56 PM
Subject: Re: [orion565] PRO Audio and the ORION II

Hi Sam.

Do you have the microphone mod that is inserted on the mic connector by removing the front panel? I received from TT Gratis. I found that a key that was plugged in contributed to my RFI.

Good luck

73
Norm
W0HI

From: Sam <Sam@...>
To: orion565@yahoogroups.com
Sent: Monday, August 19, 2013 2:34 PM
Subject: [orion565] PRO Audio and the ORION II

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I've tried:
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REMOVING THE GROUNDS
GROUNDING selected pieces.
Using clip on ferrite beads
Moving the coax to different locations
Rerouting the coax
Making all new cords.
Different Mics
Different Antennas
Different Frequencies within the 75 meter band
and others that I can't think of right now.

Anyone else have any problems on 75 meters, or perhaps you are having problems on another band ?

Just comparing notes.
BTW, these problems are NOT present If I connect my ICOM 756pro.

73,
Sam
K3SAM

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9641. Re: [orion565] PRO Audio and the ORION II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-20 04:15:45 UTC
From: Duane Calvin
Topic: 9633 Message: 9641

I'm aware of a mic mod on the original Orion, but that was well before the Orion II so should have been incorporated in the OII right from the start, right? Was there another mod for the Orion II also?

73, Duane

Duane Calvin, AC5AA
Austin, TX

. . . sent from my Nexus 7 tablet . . .
On Aug 19, 2013 11:09 PM, "Normh" <normhh@...> wrote:

> Hi Sam
> I don't know the part number.
>
> Remove the front cover and check the lead going from the mic. connector.
> I think it is #21 . If there is a slight bump " aka ferrite bead" then
> you already have the mod. If no "bump" Call TT Service and ask for the
> mod. He asked me to check if I had the mod. So save some time and check
> before you call.hi hi.
>
> I am now a stock holder in ferrite since I got he ORION. But thats ok..I
> like the darn thing.
>
> Hope you get it solved
> 73,
> Norm
>
>
>
> _____
> From: Sam W Jacobs CET <Sam@...>
> To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
> Sent: Monday, August 19, 2013 11:25 PM
> Subject: Re: [orion565] PRO Audio and the ORION II
>
>
>
>
>
> Did not know of such a mod Norm. Do you have a TT part number ?
> I've had the front panel off three times already to put in a new 10 year
> lithium battery (lol, 10 year battery that needs replaced every year ?) so
> I'm sure putting the mod in isn't too much harder than that.
>
>
> 73 !

>
> Sam
> K3SAM
>
> _____
> From: Normh <normhh@...>
> To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
> Sent: Monday, August 19, 2013 9:56 PM
> Subject: Re: [orion565] PRO Audio and the ORION II
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>
> Hi Sam.
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> removing the front panel? I received from TT Gratis. I found that a key
> that was plugged in contributed to my RFI.
>
> Good luck
>
> 73
> Norm
> W0HI
>
> _____
> From: Sam <Sam@...>
> To: orion565@yahoogroups.com
> Sent: Monday, August 19, 2013 2:34 PM
> Subject: [orion565] PRO Audio and the ORION II
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> 73,
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9642. Re: [orion565] PRO Audio and the ORION II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-20 08:43:48 UTC
From: Sam W Jacobs CET
Topic: 9633 Message: 9642

It's not a mod, but if you haven't updated the 3 capacitors on your power distribution board (A9) then I would advise it. The stock caps (470 uF @ 35 VDC) will go bad. The board is location right at the bottom.

Another (unapproved by TT) mod is that some owners are removing their speakers and inserting a fan for extra cooling.

73 !

Sam
K3SAM

From: Duane Calvin <ac5aa1@...>
To: orion565@yahoogroups.com
Sent: Tuesday, August 20, 2013 12:15 AM
Subject: Re: [orion565] PRO Audio and the ORION II

I'm aware of a mic mod on the original Orion, but that was well before the Orion II so should have been incorporated in the OII right from the start, right? Was there another mod for the Orion II also?

73, Duane

Duane Calvin, AC5AA
Austin, TX

. . . sent from my Nexus 7 tablet . . .
On Aug 19, 2013 11:09 PM, "Normh" <normhh@...> wrote:

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> I don't know the part number.
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> before you call.hi hi.
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> I am now a stock holder in ferrite since I got he ORION. But thats ok..I
> like the darn thing.
>
> Hope you get it solved
> 73,
> Norm
>
>

>
> _____
> From: Sam W Jacobs CET <Sam@...>
> To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
> Sent: Monday, August 19, 2013 11:25 PM
> Subject: Re: [orion565] PRO Audio and the ORION II
>
>
>
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> 73 !
>
> Sam
> K3SAM
>
> _____
> From: Normh <normhh@...>
> To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
> Sent: Monday, August 19, 2013 9:56 PM
> Subject: Re: [orion565] PRO Audio and the ORION II
>
>
>
> Hi Sam.
>
> Do you have the microphone mod that is inserted on the mic connector by
> removing the front panel? I received from TT Gratis. I found that a key
> that was plugged in contributed to my RFI.
>
> Good luck
>
> 73
> Norm
> W0HI
>
> _____
> From: Sam <Sam@...>
> To: orion565@yahoogroups.com
> Sent: Monday, August 19, 2013 2:34 PM
> Subject: [orion565] PRO Audio and the ORION II
>
>
> THIS ASSUMES YOU ARE RUNNING MORE THAN 500 WATTS. The following doesn't
> not occur at the stock 100 Watt level.

>
> Anyone else running external audio equipment with their Orion II ? I
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> BTW, these problems are NOT present If I connect my ICOM 756pro.
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> 73,
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9643. Re: Where to buy new LCD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-20 22:57:52 UTC
From: ea5zn
Topic: 9613 Message: 9643

Hi Stan, I had not read your post, thanks for the info, certainly the best option is to order a new screen to Ten Tec.

73,Salva,EA5ZN.

--- In orion565@yahoogroups.com, "Stan" <w4ag@...> wrote:
>
> Salva,
>
>
>
> I ordered one of the new blue screens from Ten-Tec. It is a
> slightly different model number from the one Ohno bought and
> it does not have the flicker problem when using a white
> screen that others have reported. I am very happy with it.
>
>
>
> Good luck,
>
> Stan, W4AG
>
>
>
> From: orion565@yahoogroups.com
> [mailto:orion565@yahoogroups.com] On Behalf Of ea5zn
> Sent: Saturday, August 10, 2013 7:05 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Where to buy new LCD
>
>
>
>
>
>
> Hello again, thank you all for the answers, and sorry for to
> answer before, but I've been on vacation a few days.
>
> The best option is to order a new TEN-TEC, while searching
> the internet if possible purchase indicating PA1AP, with a
> difference, which is currently sold: VZ-Built-in Negative
> Voltage, while the original described in is printed article:
> NZ-Without Negative Voltage.
>
> It is available at:
> http://www.newhavendisplay.com/nhd320240wgatmivz-p-1218.html

>
> Do not know if it will be possible to make it work properly
> in the Orion.
>
> Thank you all for your responses to this topic.
>
> 73, Salva, EA5ZN.
>
> --- In orion565@yahoogroups.com
> <mailto:orion565%40yahoogroups.com> , "ea5zn" <s.serrav@>
> wrote:
> >
> > Hello greetings to all, appreciate to know where you can
> buy a screen for my Orion 565.
> >
> > I have read PA1AP documents, and according read the
> reference is: NHD-320240WG-ATMI-NZ
> >
> > My current screen works fine, but I would like to have a
> new blue parts.
> >
> > Grateful for your attention, and responses.
> >
> > 73, Salva, ea5zn.
> >
>
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9644. For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-28 18:44:37 UTC
From: MNDxer
Topic: 159 Message: 9644

Purchased an Orion II, selling one of my Orion 565.
Pristine condition, non-smoking environment.
Radio has 1.8Khz, 500Hz and 250Hz filters. Radio recently returned from Ten Tec for tune up prior to posting for sale. TT replaced memory battery and caps on power distribution board.
Asking $1850 plus shipping.
Postal Money Order, certified bank check or cash only.
Phone: 218-525-6223
Email: rbodine at gmail.com
Tnx es 73
Dick, N0IM

9645. characteristics of 709A microphone

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-30 18:51:40 UTC
From: <w6hv@...>
Topic: 9645 Message: 9645

Are the 709A microphones characteristics the same as the older Ten Tec Studio One by Heil? I have a base type voice and too soft, per others on a net I am NCS. I'm using the Orion 2 and have tried various settings of equilization, etc. Any suggestions? Change microphone? Troy, W6HV (don't have that problem on the CW net I am NCS!)

9646. Re: characteristics of 709A microphone

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-30 19:31:46 UTC
From: w5kg
Topic: 9645 Message: 9646

Troy, I am running 709A with my Orion 1 and have good reports. I do not have a deep voice though. I think the TT Studio One was apiece of "crap". Never heard one that sounded good. That is my opinion for what it is worth.
Don, W5KG

--- In orion565@yahoogroups.com, <w6hv@...> wrote:
>
> Are the 709A microphones characteristics the same as the older Ten Tec Studio One by Heil? I have a base type voice and too soft, per others on a net I am NCS. I'm using the Orion 2 and have tried various settings of equilization, etc. Any suggestions? Change microphone? Troy, W6HV (don't have that problem on the CW net I am NCS!)
>

9647. Re: [orion565] Re: characteristics of 709A microphone

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-30 20:20:32 UTC
From: TroyW6HV
Topic: 9645 Message: 9647

Thanks, Don. Your observation of the Studio One jibes with some of the reports I've received.
Troy, W6HV

-----Original Message-----
From: w5kg
Sent: Friday, August 30, 2013 12:31 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: characteristics of 709A microphone

Troy, I am running 709A with my Orion 1 and have good reports. I do not have a deep voice though. I think the TT Studio One was apiece of "crap". Never heard one that sounded good. That is my opinion for what it is worth.
Don, W5KG

--- In orion565@yahoogroups.com, <w6hv@...> wrote:
>
> Are the 709A microphones characteristics the same as the older Ten Tec
> Studio One by Heil? I have a base type voice and too soft, per others on
> a net I am NCS. I'm using the Orion 2 and have tried various settings of
> equilization, etc. Any suggestions? Change microphone? Troy, W6HV (don't
> have that problem on the CW net I am NCS!)
>

Yahoo! Groups Links

9648. Re: [orion565] Re: characteristics of 709A microphone

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-30 21:14:50 UTC
From: Jim Koshmider
Topic: 9645 Message: 9648

I get good reports with my Studio One mic, using an EQ audio setting in the negative numbers. [I do not have a very deep voice...] One can easily set the EQ for the "best" audio by using the monitor function while adjusting the EQ setting.

FWIW -

73,

Jim, K8OZ

From: w5kg <w5kg@...>
To: orion565@yahoogroups.com
Sent: Friday, August 30, 2013 1:31 PM
Subject: [orion565] Re: characteristics of 709A microphone

Troy, I am running 709A with my Orion 1 and have good reports. I do not have a deep voice though. I think the TT Studio One was apiece of "crap". Never heard one that sounded good. That is my opinion for what it is worth.
Don, W5KG

--- In orion565@yahoogroups.com, <w6hv@...> wrote:
>
> Are the 709A microphones characteristics the same as the older Ten Tec Studio One by Heil? I have a base type voice and too soft, per others on a net I am NCS. I'm using the Orion 2 and have tried various settings of equilization, etc. Any suggestions? Change microphone? Troy, W6HV (don't have that problem on the CW net I am NCS!)
>

[Non-text portions of this message have been removed]

9649. re: Orion discontinued

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-30 21:48:53 UTC
From: Skip K3CC
Topic: 9649 Message: 9649

Now that the Orion is discontinued will there be any updates ?????

Also what happens to parts for repair, are there substitute parts around
or as some manufacturers DIP's and Micro's proprietary ?????
Next step the scrap pile !!!!

What's a used 565 worth with AT, filters, POD and speaker ?????

It seems that now equipment is obsolete in less then 5 years

Replacement is going to be in the $6 k range

de Skip

[Non-text portions of this message have been removed]

9650. RE: [orion565] re: Orion discontinued

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-30 21:55:45 UTC
From: Duane Calvin
Topic: 9649 Message: 9650

I guess you need to go back and re-read the information posted at the time by John Henry.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Skip K3CC
Sent: Friday, August 30, 2013 4:49 PM
To: orion565@yahoogroups.com
Subject: [orion565] re: Orion discontinued

Now that the Orion is discontinued will there be any updates ?????

Also what happens to parts for repair, are there substitute parts around or as some manufacturers DIP's and Micro's proprietary ?????
Next step the scrap pile !!!!

What's a used 565 worth with AT, filters, POD and speaker ?????

It seems that now equipment is obsolete in less then 5 years

Replacement is going to be in the $6 k range

de Skip

[Non-text portions of this message have been removed]

Yahoo! Groups Links

9651. Re: [orion565] Re: characteristics of 709A microphone

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-30 21:59:47 UTC
From: TroyW6HV
Topic: 9645 Message: 9651

Thanks, Jim.With my Studio One settings I have the EQ to the lowest negative number and I have some reports that say it's OK. But, I guess it's very speculative as to what is or isn't good sounding audio. I also tried the W2IHY 8 band equalizer and wasn’t too impressed.

73,
Troy, W6HV

-----Original Message-----
From: Jim Koshmider
Sent: Friday, August 30, 2013 2:14 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: characteristics of 709A microphone

I get good reports with my Studio One mic, using an EQ audio setting in the negative numbers. [I do not have a very deep voice...] One can easily set the EQ for the "best" audio by using the monitor function while adjusting the EQ setting.

FWIW -

73,

Jim, K8OZ

From: w5kg <w5kg@...>
To: orion565@yahoogroups.com
Sent: Friday, August 30, 2013 1:31 PM
Subject: [orion565] Re: characteristics of 709A microphone

Troy, I am running 709A with my Orion 1 and have good reports. I do not have a deep voice though. I think the TT Studio One was apiece of "crap". Never heard one that sounded good. That is my opinion for what it is worth.
Don, W5KG

--- In orion565@yahoogroups.com, <w6hv@...> wrote:
>
> Are the 709A microphones characteristics the same as the older Ten Tec Studio One by Heil? I have a base type voice and too soft, per others on a net I am NCS. I'm using the Orion 2 and have tried various settings of equilization, etc. Any suggestions? Change microphone? Troy, W6HV (don't have that problem on the CW net I am NCS!)
>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

9652. Re: [orion565] Re: characteristics of 709A microphone

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-30 22:12:34 UTC
From: Jim Koshmider
Topic: 9645 Message: 9652

You may want to try a Behringer XM8500 mic. They aren't expensive (compared to mic's tailored to ham radio), and I think you will like the results. They are frequently used in the music industry.

I think you can find them for a price between $20 and $30 on the Internet - maybe even locally.

Hope this helps, Don -

73,

Jim, K8OZ

From: w5kg <w5kg@...>
To: orion565@yahoogroups.com
Sent: Friday, August 30, 2013 1:31 PM
Subject: [orion565] Re: characteristics of 709A microphone

Troy, I am running 709A with my Orion 1 and have good reports. I do not have a deep voice though. I think the TT Studio One was apiece of "crap". Never heard one that sounded good. That is my opinion for what it is worth.
Don, W5KG

--- In orion565@yahoogroups.com, <w6hv@...> wrote:
>
> Are the 709A microphones characteristics the same as the older Ten Tec Studio One by Heil? I have a base type voice and too soft, per others on a net I am NCS. I'm using the Orion 2 and have tried various settings of equilization, etc. Any suggestions? Change microphone? Troy, W6HV (don't have that problem on the CW net I am NCS!)
>

[Non-text portions of this message have been removed]

9653. Re: [orion565] re: Orion discontinued

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-30 22:15:43 UTC
From: Barry N1EU
Topic: 9649 Message: 9653

On Fri, Aug 30, 2013 at 9:55 PM, Duane Calvin <ac5aa1@...> wrote:

> **
>
>
> I guess you need to go back and re-read the information posted at the time
> by John Henry.
>
> And the long "the sky is falling" discussion thread that ensued
immediately following. OR . . . don't worry and just enjoy your Orion.

73, Barry N1EU

[Non-text portions of this message have been removed]

9654. Re: [orion565] re: Orion discontinued

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-30 22:17:17 UTC
From: Jim Koshmider
Topic: 9649 Message: 9654

That's why I have held on to my TS-180S... (He, He...).

The Orions should last quite a while, but it may be worthwhile to buy a replacement battery if yours is more than ~ 4 years old.

73,

Jim, K8OZ

From: Skip K3CC <k3cc@verizon.net>
To: orion565@yahoogroups.com
Sent: Friday, August 30, 2013 3:48 PM
Subject: [orion565] re: Orion discontinued

Now that the Orion is discontinued will there be any updates ?????

Also what happens to parts for repair, are there substitute parts around
or as some manufacturers DIP's and Micro's proprietary ?????
Next step the scrap pile !!!!

What's a used 565 worth with AT, filters, POD and speaker ?????

It seems that now equipment is obsolete in less then 5 years

Replacement is going to be in the $6 k range

de Skip

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9655. re: power level

Yahoo group: orion565 (2009 — 2013)
Date: 2013-08-30 23:16:17 UTC
From: Skip K3CC
Topic: 9655 Message: 9655

I have a rockmite but it is in storage...
The QRPp challenge for Sept is less then 1 watt out

Can the Orion 565 be set to less then 1 watt ???
I can only get it down to 5 watts

I do enjoy the Orion I, I had to change the battery but I still have some problems with the Main AF and MULTI when the radio is cold they will not work after abt 10 min they are fine
de Skip

[Non-text portions of this message have been removed]

9656. Re: power level

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-01 19:22:38 UTC
From: pa1ap
Topic: 9655 Message: 9656

Perhaps the transvertor output can be used? That would be extreme qrp :-)

Another option would be to use an attenuator pad combined with a TX/RX relais controlled through the amp key option? Set Orion to your minimum power out, calculate the attenuation needed, use a trx relais and you would be officially compliant.

Best regards, Onno

--- In orion565@yahoogroups.com, "Skip K3CC" <k3cc@...> wrote:
>
> I have a rockmite but it is in storage...
> The QRPp challenge for Sept is less then 1 watt out
>
> Can the Orion 565 be set to less then 1 watt ???
> I can only get it down to 5 watts
>
> I do enjoy the Orion I, I had to change the battery but I still have some
> problems with the Main AF and MULTI when the radio is cold they will not
> work after abt 10 min they are fine
> de Skip
>
>
> [Non-text portions of this message have been removed]
>

9657. Ten Tec Filters For Sale

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-01 19:31:09 UTC
From: <randaranch@...>
Topic: 9657 Message: 9657

Just pulled from an Orion. Not filters pulled from an old Omni The 218 1.8 Kc ssb filter The 219 250 hz cw filter Will ship both for $110. Or $65 a piece shipped Email direct with questions. PayPal ok 73 de Tim K0FL randaranch@gmail.com

9658. New Yahoo format

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-01 20:02:31 UTC
From: <k1fpv@...>
Topic: 9658 Message: 9658

Yuck! I I prefer the old style used by Yahoo for these groups. It is much more cumbersome using this style of format. Any other comments? Bill, K1FPV

9659. Re: [orion565] New Yahoo format

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-02 02:53:19 UTC
From: Sam W Jacobs CET
Topic: 9658 Message: 9659

So far, I like it Bill. I've been with Yahoo since they started back in the 1990's... it's been a ride. They do try hard to please the end user.

73 !

Sam
K3SAM

From: "k1fpv@..." <k1fpv@...>
To: orion565@yahoogroups.com
Sent: Sunday, September 1, 2013 4:02 PM
Subject: [orion565] New Yahoo format

Yuck! I I prefer the old style used by Yahoo for these groups. It is much more cumbersome using this style of format. Any other comments? Bill, K1FPV

[Non-text portions of this message have been removed]

9660. RE: New Yahoo format

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-02 10:50:01 UTC
From: <vhklein@...>
Topic: 9658 Message: 9660

I don't like it either. Yahoo did this at least once before and the outcry was bad enough that they went back to the old format. I don't see any options available to do so yet. =Vic= WA4THR --- In orion565@yahoogroups.com, <Sam@...> wrote: So far, I like it Bill.Â I've been with Yahoo since they started back in the 1990's... it's been a ride.Â They do try hard to please the end user.

Â
73 !

Sam
K3SAM

_____
From: " k1fpv@... " < k1fpv@... >
To: orion565@yahoogroups.com
Sent: Sunday, September 1, 2013 4:02 PM
Subject: [orion565] New Yahoo format

Â
Yuck! I I prefer the old style used by Yahoo for these groups. It is much more cumbersome using this style of format. Any other comments? Bill, K1FPV

[Non-text portions of this message have been removed]

9661. Hercules II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-02 18:35:57 UTC
From: Fernando
Topic: 9661 Message: 9661

Hello.

I've had the amp a short while and noticed

that in either QSK or Relay switch position, I can hear

a relay when cw mode.

I was under the impression that QSK was a bit

more silent. It's a non issue with the Orion.

Is the norm?

tnx.

Fernando N2FQ/6
n2fq@...

[Non-text portions of this message have been removed]

9662. Re: [orion565] Hercules II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-02 19:38:56 UTC
From: K7FD
Topic: 9661 Message: 9662

My relay in the Orion II always makes noise. I don't there is a way to turn it off in QSK. The QSK in my Argonaut V is totally quiet, so must be diode switching vs. a mechanical relay in the Orion II...

73 John K7FD

On Sep 2, 2013, at 11:35 AM, Fernando <n2fq@...> wrote:

> Hello.
>
> I've had the amp a short while and noticed
>
> that in either QSK or Relay switch position, I can hear
>
> a relay when cw mode.
>
> I was under the impression that QSK was a bit
>
> more silent. It's a non issue with the Orion.
>
> Is the norm?
>
> tnx.
>
> Fernando N2FQ/6
> n2fq@sbcglobal.net
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

9663. Re: [orion565] Hercules II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-02 20:00:07 UTC
From: Fernando
Topic: 9661 Message: 9663

Thanks John.

Clarity is one of many weak points I have.

I was referring to the 420 amp's relay. The front panel

on the Amp has QSK/Relay switch.

I wanted to use the QSK position on the Amp and

felt that it would be as quiet as the QSK on my Orion.

I suppose that being a mechanical vacuum relay, it

has inherent noise.

tnx

Fernando N2FQ/6
n2fq@...

On Sep 2, 2013, at 12:38 PM, K7FD <wolfmanjack@...> wrote:

> My relay in the Orion II always makes noise. I don't there is a way to turn it off in QSK. The QSK in my Argonaut V is totally quiet, so must be diode switching vs. a mechanical relay in the Orion II...
>
> 73 John K7FD
>
> On Sep 2, 2013, at 11:35 AM, Fernando <n2fq@...> wrote:
>
>> Hello.
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>> I've had the amp a short while and noticed
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>> that in either QSK or Relay switch position, I can hear
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>> a relay when cw mode.
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>>
>> Is the norm?
>>
>> tnx.
>>
>> Fernando N2FQ/6

>> n2fq@...
>>
>> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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9664. Re: [orion565] Hercules II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-03 00:01:35 UTC
From: K Van Horn
Topic: 9661 Message: 9664

Fernando,
Remember that most vacuum relays have a lifetime duty cycle of 1 million operations, which equates to one good qsk contest weekend. I guess that the moral of the story is not to use QSK if it is not absolutely required, or perhaps get an amplifier which uses transistors or fets to do the qsk switching.
73 es Gud DX,
Kirby, K7EC

From: Fernando
Sent: Monday, 2 September, 2013 14:00
To: orion565@yahoogroups.com
Subject: Re: [orion565] Hercules II

Thanks John.

Clarity is one of many weak points I have.

I was referring to the 420 amp's relay. The front panel

on the Amp has QSK/Relay switch.

I wanted to use the QSK position on the Amp and

felt that it would be as quiet as the QSK on my Orion.

I suppose that being a mechanical vacuum relay, it

has inherent noise.

tnx

Fernando N2FQ/6
mailto:n2fq%40sbcglobal.net

On Sep 2, 2013, at 12:38 PM, K7FD <mailto:wolfmanjack%40charter.net> wrote:

> My relay in the Orion II always makes noise. I don't there is a way to turn it off in QSK. The QSK in my Argonaut V is totally quiet, so must be diode switching vs. a mechanical relay in the Orion II...
>
> 73 John K7FD
>
> On Sep 2, 2013, at 11:35 AM, Fernando <mailto:n2fq%40sbcglobal.net> wrote:
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>> Hello.
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[Non-text portions of this message have been removed]

9665. Re: Hercules II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-03 05:49:29 UTC
From: pa1ap
Topic: 9661 Message: 9665

Does the amplifier relais make more noise when "floating" in the air? Perhaps the relais is firmly attached to the chassis and the chassis becomes the soundboard? If possible you could investigate mounting the relais on rubber patches? There must be more hams facing the same issue and at least one of them would have fixed it :-)

Off topic: Just in case the Orion makes to much qsk noise: for qsk a reed relais is used and it seems some production runs have the reed relais tightly mounted to the pcb. This leads to a soundboard effect. Raising the reed relais by 2mm often solves the issue. Be careful not to raise it to much since it would influence swr on higher frequencies.

--- In orion565@yahoogroups.com, K7FD <wolfmanjack@...> wrote:
>
> My relay in the Orion II always makes noise. I don't there is a way to turn it off in QSK. The QSK in my Argonaut V is totally quiet, so must be diode switching vs. a mechanical relay in the Orion II...
>
> 73 John K7FD
>
> On Sep 2, 2013, at 11:35 AM, Fernando <n2fq@...> wrote:
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> > Fernando N2FQ/6
> > n2fq@...
> >
> > [Non-text portions of this message have been removed]
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> >
>
>
> [Non-text portions of this message have been removed]

>

9666. Orion II Problems

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-03 12:17:36 UTC
From: Robert Glover
Topic: 9666 Message: 9666

TenTec Orion II Problems

I have had the Orion II since it was new in July 2006. It was working well when I last used it but it was not used for a little over two years. Now it will not transmit properly. No auto ATU was fitted and there are no optional filters.

I have removed all cables except 13.8 volt power supply, a power meter and dummy load all of which, including the same cables, worked well with another rig.

On transmit, using either the tune button or CW, all bands showed a high (5:1 or more) SWR and the expected shutdown. On 5W the shutdown did not happen.

I did the “reset to factory settings” that is a master reset as described on page 49 of the manual (version 3 March 2006), but I did not do an internet upgrade. All settings and memories were cleared

After this the external power meter indicated almost 1:1 SWR on all bands, but the internal indication was still a high SWR. This was the same on both ant 1 and ant 2. On 5W output things looked good on the bands above 20 MHz until the power was increased above about 15W. At this point the SWR increased with increasing power as indicated by the internal meter, but the external meter still showed 1:1 SWR.

What do I do now? I have had the top and bottom covers off and there is no indication of distress, no burning, no burnt odour. I did not see a battery, which might need changing by now, although I had a good look for one.

Can anyone help or suggest what should be investigated next? It will be a long way to go if I must return it to TT from England!

Regards

Robert M0BJX

[Non-text portions of this message have been removed]

9667. RE: Orion II Problems

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-03 14:52:08 UTC
From: <saukp@...>
Topic: 9666 Message: 9667

if you havent done it already , i would suggest replacing the internal battery especially since the unit is over 5 years old. the battery is on he front panel and you must remove the frint panel to replace it.

here islink for battery type
http://www.tentecwiki.org/doku.php?id=565battreplace
here is link for getting to the battery
http://www.tentecwiki.org/doku.php?id=565battery

hope this info helps you
paul k3sf

--- In orion565@yahoogroups.com, <Robert.Glover@...> wrote:

TenTec Orion II Problems

I have had the Orion II since it was new in July 2006. It was working well when I last used it but it was not used for a little over two years. Now it will not transmit properly. No auto ATU was fitted and there are no optional filters.

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After this the external power meter indicated almost 1:1 SWR on all bands, but the internal indication was still a high SWR. This was the same on both ant 1 and ant 2. On 5W output things looked good on the bands above 20 MHz until the power was increased above about 15W. At this point the SWR increased with increasing power as indicated by the internal meter, but the external meter still showed 1:1 SWR.

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Can anyone help or suggest what should be investigated next? It will be a long way to go if I must return it to TT from England!

Regards

Robert M0BJX

[Non-text portions of this message have been removed]

9668. Re: [orion565] RE: Orion II Problems

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-03 16:29:13 UTC
From: Robert Glover
Topic: 9666 Message: 9668

Thanks Paul,
this is very helpful and the links to the pix are brilliant.
Robert m0bjx

From: saukp@...
Sent: Tuesday, September 03, 2013 3:52 PM
To: orion565@yahoogroups.com
Subject: [orion565] RE: Orion II Problems

if you havent done it already , i would suggest replacing the internal battery especially since the unit is over 5 years old. the battery is on he front panel and you must remove the frint panel to replace it.

here islink for battery type
http://www.tentecwiki.org/doku.php?id=565battreplace
here is link for getting to the battery
http://www.tentecwiki.org/doku.php?id=565battery

hope this info helps you
paul k3sf

--- In mailto:orion565%40yahoogroups.com, <Robert.Glover@...> wrote:

TenTec Orion II Problems

I have had the Orion II since it was new in July 2006. It was working well when I last used it but it was not used for a little over two years. Now it will not transmit properly. No auto ATU was fitted and there are no optional filters.

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On transmit, using either the tune button or CW, all bands showed a high (5:1 or more) SWR and the expected shutdown. On 5W the shutdown did not happen.

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After this the external power meter indicated almost 1:1 SWR on all bands, but the internal indication was still a high SWR. This was the same on both ant 1 and ant 2. On 5W output things looked good on the bands above 20 MHz until the power was increased above about 15W. At this point the SWR increased with increasing power as indicated by the internal meter, but the external meter still showed 1:1 SWR.

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Can anyone help or suggest what should be investigated next? It will be a long way to go if I must return it to TT from England!

Regards

Robert M0BJX

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

9669. Re: [orion565] Hercules II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-03 17:00:38 UTC
From: Fernando
Topic: 9661 Message: 9669

Hello.

Will try that this weekend.

Thanks for the tip.

Fernando N2FQ/6
n2fq@...

On Sep 2, 2013, at 10:49 PM, pa1ap <pa1ap@...> wrote:

> Does the amplifier relais make more noise when "floating" in the air? Perhaps the relais is firmly attached to the chassis and the chassis becomes the soundboard? If possible you could investigate mounting the relais on rubber patches? There must be more hams facing the same issue and at least one of them would have fixed it :-)
>
>
> Off topic: Just in case the Orion makes to much qsk noise: for qsk a reed relais is used and it seems some production runs have the reed relais tightly mounted to the pcb. This leads to a soundboard effect. Raising the reed relais by 2mm often solves the issue. Be careful not to raise it to much since it would influence swr on higher frequencies.
>
>
> --- In orion565@yahoogroups.com, K7FD <wolfmanjack@...> wrote:
>>
>> My relay in the Orion II always makes noise. I don't there is a way to turn it off in QSK. The QSK in my Argonaut V is totally quiet, so must be diode switching vs. a mechanical relay in the Orion II...
>>
>> 73 John K7FD
>>
>> On Sep 2, 2013, at 11:35 AM, Fernando <n2fq@...> wrote:
>>
>>> Hello.
>>>
>>> I've had the amp a short while and noticed
>>>
>>> that in either QSK or Relay switch position, I can hear
>>>
>>> a relay when cw mode.
>>>
>>> I was under the impression that QSK was a bit
>>>
>>> more silent. It's a non issue with the Orion.
>>>
>>> Is the norm?

>>>
>>> tnx.
>>>
>>> Fernando N2FQ/6
>>> n2fq@...
>>>
>>> [Non-text portions of this message have been removed]
>>>
>>>
>>
>>
>> [Non-text portions of this message have been removed]
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>
> Yahoo! Groups Links
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>

[Non-text portions of this message have been removed]

9670. Re: Orion II Problems

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-04 04:32:27 UTC
From: pa1ap
Topic: 9666 Message: 9670

Hi Robert,

It might be a long shot but worth trying the following: one of the relais might be dirty / stuck somehow causing poor connectivity. I can share a serial program with you which has a relais on/off sequence as well a function to do the relais on/off with 1 watt output. Both functions can stress the relais contacts a couple of times (10,100,1000,10000 times) and it might help? The program will flip all relais. Windows os is needed for the program.

Best regards, Onno

--- In orion565@yahoogroups.com, "Robert Glovger" <Robert.Glover@...> wrote:
>
> TenTec Orion II Problems
>
> I have had the Orion II since it was new in July 2006. It was working well when I last used it but it was not used for a little over two years. Now it will not transmit properly. No auto ATU was fitted and there are no optional filters.
>
> I have removed all cables except 13.8 volt power supply, a power meter and dummy load all of which, including the same cables, worked well with another rig.
>
> On transmit, using either the tune button or CW, all bands showed a high (5:1 or more) SWR and the expected shutdown. On 5W the shutdown did not happen.
>
> I did the â□□reset to factory settingsâ□□ that is a master reset as described on page 49 of the manual (version 3 March 2006), but I did not do an internet upgrade. All settings and memories were cleared
>
> After this the external power meter indicated almost 1:1 SWR on all bands, but the internal indication was still a high SWR. This was the same on both ant 1 and ant 2. On 5W output things looked good on the bands above 20 MHz until the power was increased above about 15W. At this point the SWR increased with increasing power as indicated by the internal meter, but the external meter still showed 1:1 SWR.
>
> What do I do now? I have had the top and bottom covers off and there is no indication of distress, no burning, no burnt odour. I did not see a battery, which might need changing by now, although I had a good look for one.
>
> Can anyone help or suggest what should be investigated next? It will be a long way to go if I must return it to TT from England!
>
> Regards
>
> Robert M0BJX
>
>
>
>
> [Non-text portions of this message have been removed]

>

9671. Re: [orion565] Orion II Problems

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-04 05:10:24 UTC
From: N9ETD@...
Topic: 9666 Message: 9671

Hi Robert

You didn't mention (or atleast I didn't see it in your first e-mail) if you have an internal antenna tuner in the rig. And if you do, does it make any difference if it's turned on our not ?

A friend of mine had a problem with the internal antenna tuner on his Orion II when it was new where it wouldn't put out much power. But, I can't remember if the swr was always high as in your case. His problem was all covered by warranty at the time due to it's age.

73, Craig N9ETD

[Non-text portions of this message have been removed]

9672. Re: [orion565] Orion II Problems

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-04 16:43:18 UTC
From: Robert Glover
Topic: 9666 Message: 9672

Hi Craig,
the rig has no internal ATU or other optional extras such as filters.
Thanks for the interest.
Regards
Robert m0bjx

From: N9ETD@...
Sent: Wednesday, September 04, 2013 6:10 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion II Problems

Hi Robert

You didn't mention (or atleast I didn't see it in your first e-mail) if
you have an internal antenna tuner in the rig. And if you do, does it make
any difference if it's turned on our not ?

A friend of mine had a problem with the internal antenna tuner on his Orion
II when it was new where it wouldn't put out much power. But, I can't
remember if the swr was always high as in your case. His problem was all covered
by warranty at the time due to it's age.

73, Craig N9ETD

[Non-text portions of this message have been removed]

9673. Re: [orion565] Re: Orion II Problems

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-05 08:37:39 UTC
From: Robert Glover
Topic: 9666 Message: 9673

Dear Onno,
thank you for your interest and kind offer of the use of your relay program.
I have now done the following test with the relays. I selected each band and there was a click as the BPF changed. Some bands use the same filter so it does not change moving from 40m to 30m but it does as I moved down. Moving 80m to 40m to 80m to 30m gave a click each time. I conclude that the BPF selection is working.
I also tested the relays, which are use when changing from Rx to Tx, in the following way. Using 4W of power I transmitted into a dummy load on each band. In every case power was delivered and the Rx / Tx relay was clicking as expected.
I have had a look at the relays, but not had the board out. They seem to be sealed against ingress of dirt. Furthermore there is very little dirt inside the case.
In your opinion, in the light of this new information, and having used the program yourself, do you think it will be of benefit on this occasion?
Thanks once more for your kind offer.
Regards
Robert m0bjx

From: pa1ap
Sent: Wednesday, September 04, 2013 5:32 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion II Problems

Hi Robert,

It might be a long shot but worth trying the following: one of the relais might be dirty / stuck somehow causing poor connectivity. I can share a serial program with you which has a relais on/off sequence as well a function to do the relais on/off with 1 watt output. Both functions can stress the relais contacts a couple of times (10,100,1000,10000 times) and it might help? The program will flip all relais. Windows os is needed for the program.

Best regards, Onno

--- In mailto:orion565%40yahoogroups.com, "Robert Glovger" <Robert.Glover@...> wrote:
>
> TenTec Orion II Problems
>
> I have had the Orion II since it was new in July 2006. It was working well when I last used it but it was not used for a little over two years. Now it will not transmit properly. No auto ATU was fitted and there are no optional filters.
>
> I have removed all cables except 13.8 volt power supply, a power meter and dummy load all of which, including the same cables, worked well with another rig.
>
> On transmit, using either the tune button or CW, all bands showed a high (5:1 or more) SWR and the expected shutdown. On 5W the shutdown did not happen.
>
> I did the â□□reset to factory settingsâ□□ that is a master reset as described on page 49 of the manual (version 3

March 2006), but I did not do an internet upgrade. All settings and memories were cleared
>
> After this the external power meter indicated almost 1:1 SWR on all bands, but the internal indication was still a high SWR. This was the same on both ant 1 and ant 2. On 5W output things looked good on the bands above 20 MHz until the power was increased above about 15W. At this point the SWR increased with increasing power as indicated by the internal meter, but the external meter still showed 1:1 SWR.
>
> What do I do now? I have had the top and bottom covers off and there is no indication of distress, no burning, no burnt odour. I did not see a battery, which might need changing by now, although I had a good look for one.
>
> Can anyone help or suggest what should be investigated next? It will be a long way to go if I must return it to TT from England!
>
> Regards
>
> Robert M0BJX
>
>
>
>
> [Non-text portions of this message have been removed]
>

9674. Orion 565: difference between mic and aux input

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-07 20:31:59 UTC
From: pa1ap
Topic: 9674 Message: 9674

While cleaning up my radio room I found a couple of interesting components which I quickly connected together. Its a studio mic and behringer voice equalizer system.

The voice equalizer output is at line level and through use of an balanced attenuator I have ensured its output is compatible with the front mic specifications. Audio reports are excellent and this setup seems to be working really well. Clean and crisp.

Since I did not like to have a cable connecting to the front I made another cable (without attenuator) and connected the voice equalizer to the line in of the aux port. Level is compatible with the aux port. Now the weird thing is that the sound is distorted and I do not understand why..... There is a weird echo / vibration in the sound. Almost like it resonates or some sort of sound cancellation takes place.

I have tried the following;

1) included decoupling capacitor (40nF) which made no difference...
2) connected the Orion to dummload and set output power to 5 Watts or so (to exclude potential RFI leaks)... no difference...
3) reversed the mix polarity... no difference...
4) recording to voice memory also captured the weird vibration.

I ensured;

1) correct source was selected (mic or aux and NOT both)
2) while testing the aux connection there was no mic connected to the front.
3) the audio level was compatible with Orion inputs

Anyone who connected a similar system configuration to the orion? What are the things to look for?

Appreciate advice very much. Best regards, Onno de pa1ap

9675. Re: Orion 565: difference between mic and aux input

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-07 22:43:42 UTC
From: nm7x
Topic: 9674 Message: 9675

Hi Onno,

How are you monitoring this? It seems to me that it could be that you are hearing the accumulation of digital delays. The Orion itself introduces some delay, and if the processor is digital, it can introduce its own delays as well. If this is the case, the only way to know for sure how it sounds is to record it from an independent receiver and then evaluate the recording. It might actually sound great, but the delay is throwing you off. Just a thought. 73, Mike, NM7X

--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> While cleaning up my radio room I found a couple of interesting components which I quickly connected together. Its a studio mic and behringer voice equalizer system.
>
> The voice equalizer output is at line level and through use of an balanced attenuator I have ensured its output is compatible with the front mic specifications. Audio reports are excellent and this setup seems to be working really well. Clean and crisp.
>
> Since I did not like to have a cable connecting to the front I made another cable (without attenuator) and connected the voice equalizer to the line in of the aux port. Level is compatible with the aux port. Now the weird thing is that the sound is distorted and I do not understand why..... There is a weird echo / vibration in the sound. Almost like it resonates or some sort of sound cancellation takes place.
>
> I have tried the following;
>
> 1) included decoupling capacitor (40nF) which made no difference...
> 2) connected the Orion to dummload and set output power to 5 Watts or so (to exclude potential RFI leaks)... no difference...
> 3) reversed the mix polarity... no difference...
> 4) recording to voice memory also captured the weird vibration.
>
> I ensured;
>
> 1) correct source was selected (mic or aux and NOT both)
> 2) while testing the aux connection there was no mic connected to the front.
> 3) the audio level was compatible with Orion inputs
>
> Anyone who connected a similar system configuration to the orion? What are the things to look for?
>
> Appreciate advice very much. Best regards, Onno de pa1ap
>

9676. RE: Orion 565: difference between mic and aux input

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-07 23:22:41 UTC
From: <barry.n1eu@...>
Topic: 9674 Message: 9676

Onno, I use the AUX input 100% of the time on ssb. I feed it with my Behringer mixer output through an isolation transformer. I highly encourage you to insert an isolation xfmr into the line - I recommend Bourns LM-NP-1001-B1L that is very inexpensive and performs quite well.

73, Barry N1EU

--- In orion565@yahoogroups.com, <orion565@yahoogroups.com> wrote:

While cleaning up my radio room I found a couple of interesting components which I quickly connected together. Its a studio mic and behringer voice equalizer system.

The voice equalizer output is at line level and through use of an balanced attenuator I have ensured its output is compatible with the front mic specifications. Audio reports are excellent and this setup seems to be working really well. Clean and crisp.

Since I did not like to have a cable connecting to the front I made another cable (without attenuator) and connected the voice equalizer to the line in of the aux port. Level is compatible with the aux port. Now the weird thing is that the sound is distorted and I do not understand why..... There is a weird echo / vibration in the sound. Almost like it resonates or some sort of sound cancellation takes place.

I have tried the following;

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4) recording to voice memory also captured the weird vibration.

I ensured;

1) correct source was selected (mic or aux and NOT both)
2) while testing the aux connection there was no mic connected to the front.
3) the audio level was compatible with Orion inputs

Anyone who connected a similar system configuration to the orion? What are the things to look for?

Appreciate advice very much. Best regards, Onno de pa1ap

9677. Re: Orion 565: difference between mic and aux input

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-08 03:44:39 UTC
From: pa1ap
Topic: 9674 Message: 9677

Hi Barry,

Makes perfect sense. I will start the search for a transformer :-) Thanks and regards, Onno

9678. Re: Orion 565: difference between mic and aux input

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-08 04:25:09 UTC
From: pa1ap
Topic: 9674 Message: 9678

Hi Mike,

I used the Orion voice recorder memory to validate / test the audio quality and this captured the weird vibration sound. And an on the air test connection confirmed the vibration was also noticed by the other station and my voice was difficult to copy. The processor is indeed digital and it does add some delay.

The processor has balanced output and this means hot and cold are opposite phases. My take on this (based on Barry's feedback regarding 600:600 transformer) is that I connected the output incorrectly causing some signal cancellation?

Its only guessing right now as I did not connect an oscilloscope to see what really happens to the signal. One thing which is unanswered for me is why this does not happen when connecting to the front mic connection.... I did include a balanced attenuator which might prevent the vibration sound but how that would work is unclear to me...

Best regards, Onno

--- In orion565@yahoogroups.com, "nm7x" <nm7x@...> wrote:
>
> Hi Onno,
>
> How are you monitoring this? It seems to me that it could be that you are hearing the accumulation of digital delays. The Orion itself introduces some delay, and if the processor is digital, it can introduce its own delays as well. If this is the case, the only way to know for sure how it sounds is to record it from an independent receiver and then evaluate the recording. It might actually sound great, but the delay is throwing you off. Just a thought. 73, Mike, NM7X
>
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > While cleaning up my radio room I found a couple of interesting components which I quickly connected together. Its a studio mic and behringer voice equalizer system.
> >
> > The voice equalizer output is at line level and through use of an balanced attenuator I have ensured its output is compatible with the front mic specifications. Audio reports are excellent and this setup seems to be working really well. Clean and crisp.
> >
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> >
> > I have tried the following;
> >

> > 1) included decoupling capacitor (40nF) which made no difference...
> > 2) connected the Orion to dummload and set output power to 5 Watts or so (to exclude potential RFI leaks)... no difference...
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> > 4) recording to voice memory also captured the weird vibration.
> >
> > I ensured;
> >
> > 1) correct source was selected (mic or aux and NOT both)
> > 2) while testing the aux connection there was no mic connected to the front.
> > 3) the audio level was compatible with Orion inputs
> >
> > Anyone who connected a similar system configuration to the orion? What are the things to look for?
> >
> > Appreciate advice very much. Best regards, Onno de pa1ap
> >
>

9679. Re: Orion 565: difference between mic and aux input

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-08 16:08:21 UTC
From: nm7x
Topic: 9674 Message: 9679

Hi Again, Onno, The only thing that comes to mind is that maybe you are getting RF into the input. The microphone input is balanced, as is the output of your processor. The Aux input is unbalanced, and that can lead to some issues if your are feeding it from a balanced source. This might explain why it seems to work fine in the mic input but not the aux. Barry's suggestion is definitely one worth pursuing. Some balanced output circuits do not function correctly if they are feeding unbalanced inputs. The transformer just might get the job done for you. Good Luck. 73, Mike, NM7X
--- In orion565@yahoogroups.com, "pa1ap" <pa1ap@...> wrote:
>
> Hi Mike,
>
> I used the Orion voice recorder memory to validate / test the audio quality and this captured the weird vibration sound. And an on the air test connection confirmed the vibration was also noticed by the other station and my voice was difficult to copy. The processor is indeed digital and it does add some delay.
>
> The processor has balanced output and this means hot and cold are opposite phases. My take on this (based on Barry's feedback regarding 600:600 transformer) is that I connected the output incorrectly causing some signal cancellation?
>
> Its only guessing right now as I did not connect an oscilloscope to see what really happens to the signal. One thing which is unanswered for me is why this does not happen when connecting to the front mic connection.... I did include a balanced attenuator which might prevent the vibration sound but how that would work is unclear to me...
>
> Best regards, Onno
>
>

9680. Re: Orion 565: difference between mic and aux input

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-08 19:28:39 UTC
From: pa1ap
Topic: 9674 Message: 9680

Indeed rf leaking into the audio circuit is one to double, double check.. todays local round on 10m a station reported there was a bit of rfi on the audio. With my antenna setup being oversized for 10m this has always been an issue and with the additional components it might have gotten worse than before.

The transformer will help isolating the external audio circuit while making use of full balanced mode. Latter would have high common mode rejection according the articles I found on internet... the transformer will be mounted as close to the orion aux port as possible.

Earth/ ground is very challenging certainly combined with an antenna system which is only 12 feet away from my rig. The antenna field will radiate into my systems. Combine that with a radio room 24 feet above ground it is hard to make a real earth system.

I have good results using a ground radial system in the shack combined with variable inductor / capacitor to tune for highest current to the radials. Wish I could do this different..... next week I will be rewiring the shack earth system. Just to check iuf everything is still wired as it should be. Ferrite will be placed on all cables except for the ground wires. This to ensure resistance to earth is lowest and resistance to other cables is highest. This way rf would be leaking to earth by default... hope that approach makes sense?

I plan to mount 10/15/10 dipole which hopefully reduces rfi feedback as well.

Best regards, Onno

--- In orion565@yahoogroups.com, "nm7x" <nm7x@...> wrote:
>
> Hi Again, Onno, The only thing that comes to mind is that maybe you are getting RF into the input. The microphone input is balanced, as is the output of your processor. The Aux input is unbalanced, and that can lead to some issues if your are feeding it from a balanced source. This might explain why it seems to work fine in the mic input but not the aux. Barry's suggestion is definitely one worth pursuing. Some balanced output circuits do not function correctly if they are feeding unbalanced inputs. The transformer just might get the job done for you. Good Luck. 73, Mike, NM7X
> --- In orion565@yahoogroups.com, "pa1ap" <pa1ap@> wrote:
> >
> > Hi Mike,
> >
> > I used the Orion voice recorder memory to validate / test the audio quality and this captured the weird vibration sound. And an on the air test connection confirmed the vibration was also noticed by the other station and my voice was difficult to copy. The processor is indeed digital and it does add some delay.
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> > The processor has balanced output and this means hot and cold are opposite phases. My take on this (based on Barry's feedback regarding 600:600 transformer) is that I connected the output incorrectly causing some signal cancellation?

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> > Its only guessing right now as I did not connect an oscilloscope to see what really happens to the signal. One thing which is unanswered for me is why this does not happen when connecting to the front mic connection.... I did include a balanced attenuator which might prevent the vibration sound but how that would work is unclear to me...
> >
> > Best regards, Onno
> >
> >
>

9681. 565 V3.032x5 released on TEN-TEC Website

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-10 20:04:24 UTC
From: <jhenry@...>
Topic: 9681 Message: 9681

It is ready for download.
Be sure you read the release notes for it, 34 items modified.
It will require the usual Master Reset/RAM Clear sequence.
Some default values have changed due to requests from MANY users, so, read the release notes, and change them back to something else if you prefer.

Let me know if you all find any real interesting items.

This release also addresses an issue Rob Sherwood has been discussing, how impulse noise can load up the AGC on the 565/566.
Now, when impulse noise comes in (e.g. an electric fence), it will not load up the AGC, making it hard to copy just after the noise pulse disappears.
With the previous release, the noise pulse may sound as a quick snap, and then no audio until AGC decay brings back the nominal receive audio.
With the 3.032x5 release, the noise pulse will last longer, could sound like a scratch or crash (which impulse noise will sound like when NB is not turned on), but when the impulse noise goes away, the nominal receive audio is back to the same level it was right before the noise pulse started. If the sound of the impulse noise is objectionable, then the Noise Blanker will remove it anyway. That is what the Noise Blanker was intended for, to remove spurious impulse noise.

If you find anything that needs attention, let me know.
I want to thank the beta team and developers for spending the last several months hashing through this, I couldn't have made this release without their help and support and holding my coals to the fire.

The release is located at the TEN-TEC Transceiver Downloads web page, along with the version history if you want to peruse it before downloading.
Transceiver Download direct link:
http://www.tentec.com/pages/Transceiver-Downloads.html
scroll down to 565, find "Firmware Ver 3.032x5" on the right hand column, click to download the installer, then run it, look for a new "Start" "TEN-TEC...etc.
The revision notes are at the same location, middle column, or, I've added the link here:
https://www.tentec.com/content/downloads/firmware/Orion%20V3%20History.pdf

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

9682. RE: 565 V3.032x5 released on TEN-TEC Website

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-10 20:09:58 UTC
From: <k1fpv@...>
Topic: 9681 Message: 9682

Do you have any idea as to when the 566 version will be released John?

Bill
K1FPV

--- In orion565@yahoogroups.com, <jhenry@...> wrote:

It is ready for download.
Be sure you read the release notes for it, 34 items modified.
It will require the usual Master Reset/RAM Clear sequence.
Some default values have changed due to requests from MANY users, so, read the release notes, and change them back to something else if you prefer.

Let me know if you all find any real interesting items.

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Now, when impulse noise comes in (e.g. an electric fence), it will not load up the AGC, making it hard to copy just after the noise pulse disappears.
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With the 3.032x5 release, the noise pulse will last longer, could sound like a scratch or crash (which impulse noise will sound like when NB is not turned on), but when the impulse noise goes away, the nominal receive audio is back to the same level it was right before the noise pulse started. If the sound of the impulse noise is objectionable, then the Noise Blanker will remove it anyway. That is what the Noise Blanker was intended for, to remove spurious impulse noise.

If you find anything that needs attention, let me know.
I want to thank the beta team and developers for spending the last several months hashing through this, I couldn't have made this release without their help and support and holding my coals to the fire.

The release is located at the TEN-TEC Transceiver Downloads web page, along with the version history if you want to peruse it before downloading.
Transceiver Download direct link:
http://www.tentec.com/pages/Transceiver-Downloads.html
scroll down to 565, find "Firmware Ver 3.032x5" on the right hand column, click to download the installer, then run it, look for a new "Start" "TEN-TEC...etc.
The revision notes are at the same location, middle column, or, I've added the link here:
https://www.tentec.com/content/downloads/firmware/Orion%20V3%20History.pdf

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

9687. RE: 565 V3.032x5 released on TEN-TEC Website

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-11 00:24:37 UTC
From: <jhenry@...>
Topic: 9681 Message: 9687

Hi Jim,

This update is only for the 565.
At the moment, we have shifted to a 588 update that may take a bit of time to sort through, so, it will be a while before I get to doing another 566 or 599 or 539 update. So I can't promise any dates at the moment, but it will happen.

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

--- In orion565@yahoogroups.com, <k8oz1@...> wrote:

Arek -

It looks like this update will cover both models.

73,

Jim, K8OZ

From: Arek Tarniowy <tarniowy@...>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Cc: "<orion565@yahoogroups.com>" <orion565@yahoogroups.com>
Sent: Tuesday, September 10, 2013 3:00 PM
Subject: Re: [orion565] 565 V3.032x5 released on TEN-TEC Website

What about 566? Do you planning to update the firmware to?

Thanks
Arek AC2FC

Sent from my iPhone

On Sep 10, 2013, at 4:04 PM, <jhenry@...> wrote:

It is ready for download.
Be sure you read the release notes for it, 34 items modified.
It will require the usual Master Reset/RAM Clear sequence.
Some default values have changed due to requests from MANY users, so, read the release notes, and change them back to something else if you prefer.

Let me know if you all find any real interesting items.

This release also addresses an issue Rob Sherwood has been discussing, how impulse noise can load up the AGC on the 565/566.
Now, when impulse noise comes in (e.g. an electric fence), it will not load up the AGC, making it hard to copy just after the noise pulse disappears.
With the previous release, the noise pulse may sound as a quick snap, and then no audio

until AGC decay brings back the nominal receive audio.
With the 3.032x5 release, the noise pulse will last longer, could sound like a scratch or crash (which impulse noise will sound like when NB is not turned on), but when the impulse noise goes away, the nominal receive audio is back to the same level it was right before the noise pulse started. If the sound of the impulse noise is objectionable, then the Noise Blanker will remove it anyway. That is what the Noise Blanker was intended for, to remove spurious impulse noise.

If you find anything that needs attention, let me know.
I want to thank the beta team and developers for spending the last several months hashing through this, I couldn't have made this release without their help and support and holding my coals to the fire.

The release is located at the TEN-TEC Transceiver Downloads web page, along with the version history if you want to peruse it before downloading.
Transceiver Download direct link:
http://www.tentec.com/pages/Transceiver-Downloads.html
scroll down to 565, find "Firmware Ver 3.032x5" on the right hand column, click to download the installer, then run it, look for a new "Start" "TEN-TEC...etc.
The revision notes are at the same location, middle column, or, I've added the link here:
https://www.tentec.com/content/downloads/firmware/Orion%20V3%20History.pdf

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

9690. RE: Re: [orion565] 565 V3.032x5 released on TEN-TEC Website

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-13 00:34:05 UTC
From: <saukp@...>
Topic: 9681 Message: 9690

now that the update has been out for 48 hours... how are the 565 owners enjoying the update...good ..bad..or OK...

gotta luv TenTec for ongoing support

paul K3SF

--- In orion565@yahoogroups.com, <orion565@yahoogroups.com> wrote:

What about 566? Do you planning to update the firmware to?

Thanks
Arek AC2FC

Sent from my iPhone

On Sep 10, 2013, at 4:04 PM, <jhenry@...> wrote:

It is ready for download.
Be sure you read the release notes for it, 34 items modified.
It will require the usual Master Reset/RAM Clear sequence.
Some default values have changed due to requests from MANY users, so, read the release notes, and change them back to something else if you prefer.

Let me know if you all find any real interesting items.

This release also addresses an issue Rob Sherwood has been discussing, how impulse noise can load up the AGC on the 565/566.
Now, when impulse noise comes in (e.g. an electric fence), it will not load up the AGC, making it hard to copy just after the noise pulse disappears.
With the previous release, the noise pulse may sound as a quick snap, and then no audio until AGC decay brings back the nominal receive audio.
With the 3.032x5 release, the noise pulse will last longer, could sound like a scratch or crash (which impulse noise will sound like when NB is not turned on), but when the impulse noise goes away, the nominal receive audio is back to the same level it was right before the noise pulse started. If the sound of the impulse noise is objectionable, then the Noise Blanker will remove it anyway. That is what the Noise Blanker was intended for, to remove spurious impulse noise.

If you find anything that needs attention, let me know.
I want to thank the beta team and developers for spending the last several months hashing through this, I couldn't have made this release without their help and support and holding my coals to the fire.

The release is located at the TEN-TEC Transceiver Downloads web page, along with the version history if you want to peruse it before downloading.
Transceiver Download direct link:
http://www.tentec.com/pages/Transceiver-Downloads.html

scroll down to 565, find "Firmware Ver 3.032x5" on the right hand column, click to download the installer, then run it, look for a new "Start" "TEN-TEC...etc.
The revision notes are at the same location, middle column, or, I've added the link here: https://www.tentec.com/content/downloads/firmware/Orion%20V3%20History.pdf

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

9691. Orion I

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-13 17:47:04 UTC
From: John Hudson
Topic: 2806 Message: 9691

Has anyone else had any issues with this newest firmware concerning VFO A? With Firmware Ver 3.032x5 my VFO A does not operate correctly, as a matter of fact it barely operates. When I turn the VFO almost 100% of the time it just sits there. Sometimes the last 3 digits will flicker but not change. QSYing via the logbook software is ok and direct entry seems to be fine, not using the VFO

VFO B seems to be ok also

Went back to 3.032 and it's ok. I have installed 3.032x5 two different times with the same results

John Hudson

KO4XJ

9692. Re: [orion565] Orion I

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-13 18:08:46 UTC
From: Fernando
Topic: 2806 Message: 9692

Hello

I have it installed and do not observe your

issue.

I follow the install steps to the letter that

is found at the end of the pdf file called

"What is V3" in the installed directory .

Fernando N2FQ/6
n2fq@sbcglobal.net

On Sep 13, 2013, at 10:47 AM, John Hudson <jd_hudson@...> wrote:

>
>
> Has anyone else had any issues with this newest firmware concerning VFO A? With Firmware Ver 3.032x5 my VFO A does not operate correctly, as a matter of fact it barely operates. When I turn the VFO almost 100% of the time it just sits there. Sometimes the last 3 digits will flicker but not change. QSYing via the logbook software is ok and direct entry seems to be fine, not using the VFO
>
> VFO B seems to be ok also
>
> Went back to 3.032 and it’s ok. I have installed 3.032x5 two different times with the same results
>
> John Hudson
> KO4XJ
>
>
>
>
>

9693. RE: [orion565] Orion I

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-13 21:32:27 UTC
From: John Hudson
Topic: 2806 Message: 9693

I think I figured out my fix. I have installed .032x5 and reinstalled .032 twice and both times I had the VFO A issue. This last time I went into the menu and changed my VFO rate from slow to fast and now it works! WHY? I don't know. Now I cannot make it go bad now. I've reloaded .032 and now back to .032x5 and it still works. DON'T KNOW and DON'T CARE.. IT's WORKING!!

Fernando, I'm not sure what V3 is either??

Thanks

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Fernando
Sent: Friday, September 13, 2013 1:09 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion I

Hello

I have it installed and do not observe your

issue.

I follow the install steps to the letter that

is found at the end of the pdf file called

"What is V3" in the installed directory .

Fernando N2FQ/6

n2fq@...

On Sep 13, 2013, at 10:47 AM, John Hudson <jd_hudson@...> wrote:

Has anyone else had any issues with this newest firmware concerning VFO A? With Firmware Ver 3.032x5 my VFO A does not operate correctly, as a matter of fact it barely operates. When I turn the VFO almost 100% of the time it just sits there. Sometimes the last 3 digits will flicker but not change. QSYing via the logbook software is ok and direct entry seems to be fine, not using the VFO

VFO B seems to be ok also

Went back to 3.032 and it's ok. I have installed 3.032x5 two different times with the same results

John Hudson

K04XJ

9694. Re: [orion565] Orion I

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-13 22:55:59 UTC
From: Barry N1EU
Topic: 2806 Message: 9694

The Orion tuning encoders tend to get flakey eventually. When my vfoA stops responding, I just need to push hard on it and it comes right back to life.

73, Barry N1EU

On Fri, Sep 13, 2013 at 9:32 PM, John Hudson <jd_hudson@...> wrote:

> **
>
>
> I think I figured out my fix… I have installed .032x5 and reinstalled
> .032 twice and both times I had the VFO A issue. This last time I went into
> the menu and changed my VFO rate from slow to fast and now it works! WHY? I
> don't know. Now I cannot make it go bad now. I've reloaded .032 and now
> back to .032x5 and it still works. DON'T KNOW and DON'T CARE.. IT's
> WORKING!!****
>
> ** **
>
> Fernando, I'm not sure what V3 is either??****
>
> ** **
>
> ** **
>
> Thanks****
>
> ** **
>
> John****
>
> KO4XJ****
>
> ** **
>
> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] *On
> Behalf Of *Fernando
> *Sent:* Friday, September 13, 2013 1:09 PM
> *To:* orion565@yahoogroups.com
> *Subject:* Re: [orion565] Orion I****
>
> ** **
>
> ****
>

> Hello****
>
> ** **
>
> I have it installed and do not observe your****
>
> ** **
>
> issue.****
>
> ** **
>
> I follow the install steps to the letter that****
>
> ** **
>
> is found at the end of the pdf file called****
>
> ** **
>
> "What is V3" in the installed directory .****
>
> ** **
>
> ** **
>
> Fernando N2FQ/6****
>
> n2fq@sbcglobal.net****
>
> ** **
>
> ** **
>
> ** **
>
> On Sep 13, 2013, at 10:47 AM, John Hudson <jd_hudson@...> wrote:**
> **
>
>
>
> ****
>
> ** **
>
> Has anyone else had any issues with this newest firmware concerning VFO A?
> With Firmware Ver 3.032x5 my VFO A does not operate correctly, as a
> matter of fact it barely operates. When I turn the VFO almost 100% of the
> time it just sits there. Sometimes the last 3 digits will flicker but not
> change. QSYing via the logbook software is ok and direct entry seems to be

> fine, not using the VFO****
>
> ****
>
> VFO B seems to be ok also****
>
> ****
>
> Went back to 3.032 and it’s ok. I have installed 3.032x5 two different
> times with the same results****
>
> ****
>
> *John Hudson*****
>
> *KO4XJ*****
>
> * *****
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> ** **
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> ****
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9696. Re: Orion I

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-14 13:37:48 UTC
From: Howard Smith
Topic: 2806 Message: 9696

Hi John,

You may want to check out the scan rate that your logbook software is using. Commands via the serial port to change the VFO x frequency will hold off the VFO x updates from the VFO x tuning knob. Serial port queries will not hold off the VFO x updates.

Serial Port activity and other keyboard activities, including the VFO x display updates, share the CPU time, and if the scan rate from the logbook software is too high, it will use more than its share of CPU time.

The scan rate for the logbook software should be about 100mSec (10 updates per second). Faster rates are possible, but at some point, it will become an issue.

Hope this helps...

73..
Howard, WA9AXQ

[Non-text portions of this message have been removed]

9697. RE: [orion565] Re: Orion I

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-14 13:46:30 UTC
From: John Hudson
Topic: 2806 Message: 9697

Thanks Howard. But it did it with and without the logging software running. Reinstalled the last and the newest firmware twice to the same results but after changing the default encoder speed, it started to work fine and even after reinstalling both versions again it still works!! Some type of gremlin I guess but all is good right now

Thanks

73

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Howard Smith
Sent: Saturday, September 14, 2013 8:38 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion I

Hi John,

You may want to check out the scan rate that your logbook software is using. Commands via the serial port to change the VFO x frequency will hold off the VFO x updates from the VFO x tuning knob. Serial port queries will not hold off the VFO x updates.

Serial Port activity and other keyboard activities, including the VFO x display updates, share the CPU time, and if the scan rate from the logbook software is too high, it will use more than its share of CPU time.

The scan rate for the logbook software should be about 100mSec (10 updates per second). Faster rates are possible, but at some point, it will become an issue.

Hope this helps...

73..
Howard, WA9AXQ

[Non-text portions of this message have been removed]

9698. There will be updates for Orion II, Omni VI, and others just be patient!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-14 14:06:47 UTC
From: <kc2qma@...>
Topic: 9698 Message: 9698

There will be updates for Orion II, Omni VI, and others just be patient!

At the moment, we have shifted to a 588 update that may take a bit of time to sort through, so, it will be a while before I get to doing another 566 or 599 or 539 update. So I can't promise any dates at the moment, but it will happen.

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

9701. RE: There will be updates for Orion II, Omni VI, and others just be patient!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-14 15:03:23 UTC
From: <kc2qma@...>
Topic: 9698 Message: 9701

THERE WILL BE UPDATES FOR OTHER TEN TEC MODELS.
The Orion 565 was discontinued before the Orion II 566 and they just came out with an update! so don't worry be happy!

--- In orion565@yahoogroups.com, <orion565@yahoogroups.com> wrote:

There will be updates for Orion II, Omni VI, and others just be patient!

At the moment, we have shifted to a 588 update that may take a bit of time to sort through, so, it will be a while before I get to doing another 566 or 599 or 539 update. So I can't promise any dates at the moment, but it will happen.

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

9702. Re: [orion565] Orion I

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-14 16:32:48 UTC
From: Fernando
Topic: 2806 Message: 9702

That is great.

A pdf file called "What is V3" describes

the changes in this release .032x5.

This file comes as part of files that is downloaded

from Ten Tec.

Take care and enjoy.

Fernando N2FQ/6
n2fq@...

On Sep 13, 2013, at 2:32 PM, John Hudson <jd_hudson@...> wrote:

>
>
> I think I figured out my fix… I have installed .032x5 and reinstalled .032 twice and both times I had the VFO A issue. This last time I went into the menu and changed my VFO rate from slow to fast and now it works! WHY? I don’t know. Now I cannot make it go bad now. I’ve reloaded .032 and now back to .032x5 and it still works. DON’T KNOW and DON’T CARE.. IT’s WORKING!!
>
> Fernando, I’m not sure what V3 is either??
>
>
> Thanks
>
> John
> KO4XJ
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Fernando
> Sent: Friday, September 13, 2013 1:09 PM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Orion I
>
>
> Hello
>
>
> I have it installed and do not observe your
>
> issue.
>
> I follow the install steps to the letter that

>
> is found at the end of the pdf file called
>
> "What is V3" in the installed directory .
>
>
> Fernando N2FQ/6
> n2fq@...
>
>
>
>
> On Sep 13, 2013, at 10:47 AM, John Hudson <jd_hudson@...> wrote:
>
>
>
>
> Has anyone else had any issues with this newest firmware concerning VFO A? With Firmware Ver 3.032x5 my VFO A does not operate correctly, as a matter of fact it barely operates. When I turn the VFO almost 100% of the time it just sits there. Sometimes the last 3 digits will flicker but not change. QSYing via the logbook software is ok and direct entry seems to be fine, not using the VFO
>
> VFO B seems to be ok also
>
> Went back to 3.032 and it’s ok. I have installed 3.032x5 two different times with the same results
>
> John Hudson
> KO4XJ
>
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>
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>

9703. Orion 565 tx audio using the 712 digital interface

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-15 15:51:37 UTC
From: hummerham
Topic: 9703 Message: 9703

Hi guys. I know this problem has been discussed already and I have searched the msgs to find a solution, but there are soo many threads that it is nearly impossible to follow all of them to any conclusion. So I ask here if there has been a solution for no audio tx from the rear audio I/O jack using the 712 TT interface or the SignaLink. My 712 cable works fine with the Jupiter....but when connected and set up with the Orion all I get is receive, although I can hear the digital tones thru the monitor function when transmitting. But there is no output from the radio. Is anyone else still having this problem. I guess I am a late comer in this respect. Thanks for any info.

Butch...K3AFR

9704. re: Main AF/MULTI

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-15 16:37:41 UTC
From: Skip K3CC
Topic: 9704 Message: 9704

HI Gang,
I am plagued with the AF and Multi not working......
Does anyone have an idea why ???? If I bang on it
or push it on/off it will sometime submit to me hi hi

de Skip K3CC

[Non-text portions of this message have been removed]

9705. Re: [orion565] re: Main AF/MULTI

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-15 17:26:21 UTC
From: Mike, K9UW
Topic: 9704 Message: 9705

Hi Skip:

Assuming your rig to be the Orion (565), go to the FILES section of this group and find the folder labeled "Orion 1 (565) RIT Fix". In that folder you'll find a file called "My RIT fix8.doc".

My rig was plagued by "Multi" encoder issues for a LONG time, while others reported mostly RIT issues. Every fix I read about and tried would work for a short time but the problem always returned.

The intermittent problem is caused by Tin-plated pins and sockets (the Orion II uses Gold) that become unreliable over time when age and use causes a buildup of oxides on the surface of the Tin.

The cure described in the file "My RIT fix8.doc" solved my problem and all controls have been flawless ever since (January 2013).

If you have trouble accessing the file, let me know and I'll send it direct.

73, de Mike, K9UW
Amherst, WI

On 9/15/2013 11:37 AM, Skip K3CC wrote:
>
> HI Gang,
> I am plagued with the AF and Multi not working......
> Does anyone have an idea why ???? If I bang on it
> or push it on/off it will sometime submit to me hi hi
>
> de Skip K3CC
>
> [Non-text portions of this message have been removed]
>
>

9706. RE: Orion 565 tx audio using the 712 digital interface

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-16 01:31:38 UTC
From: <saukp@...>
Topic: 9703 Message: 9706

usual error is to forget to set in the menu for audio in to be aux input and then remember to set back to mic when operating ssb

see ssb submenu

TX Audio Source allows the radio to have audio input through either the front panel mic jack or via the AUX input on pin 1 of the rear panel AUX I/O connector. The available choices are MIC, AUX or BOTH.

paul k3sf

--- In orion565@yahoogroups.com, <orion565@yahoogroups.com> wrote:

Hi guys. I know this problem has been discussed already and I have searched the msgs to find a solution, but there are soo many threads that it is nearly impossible to follow all of them to any conclusion. So I ask here if there has been a solution for no audio tx from the rear audio I/O jack using the 712 TT interface or the SignaLink. My 712 cable works fine with the Jupiter....but when connected and set up with the Orion all I get is receive, although I can hear the digital tones thru the monitor function when transmitting. But there is no output from the radio. Is anyone else still having this problem. I guess I am a late comer in this respect. Thanks for any info.

Butch...K3AFR

9707. Re: Main AF/MULTI

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-17 07:18:20 UTC
From: vk4eu
Topic: 9704 Message: 9707

Hi Skip
You say your multi control is behaving strange if there are other strange things occurring as well and if your radio has not a battery change in the last 5,6 to 7 years that could your problem flat CPU batteries can cause very erratic behaviour. I was having problems with strange bhaviour changed the battery all fixed.

73 Wayne VK4EU

--- In orion565@yahoogroups.com, "Skip K3CC" <k3cc@...> wrote:
>
> HI Gang,
> I am plagued with the AF and Multi not working......
> Does anyone have an idea why ???? If I bang on it
> or push it on/off it will sometime submit to me hi hi
>
> de Skip K3CC
>
> [Non-text portions of this message have been removed]
>

9708. Re: [orion565] Re: Main AF/MULTI

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-18 16:38:52 UTC
From: Skip K3CC
Topic: 9704 Message: 9708

Tnx Wayne,
THe First things I did was replace the battery... I didn't think at first that was the problem but it did help
some other problem..
I used some "De OK IT" and that helped... then I used a Qtip with ALNOX the stuff they use for Aluminum
wire on the entrance cable to your house... that worked well..

tnx de Skip K3CC

From: vk4eu
Sent: Tuesday, September 17, 2013 3:18 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Main AF/MULTI

Hi Skip
You say your multi control is behaving strange if there are other strange things occurring as well and if your radio has not a battery change in the last 5,6 to 7 years that could your problem flat CPU batteries can cause very erratic behaviour. I was having problems with strange bhaviour changed the battery all fixed.

73 Wayne VK4EU

--- In orion565@yahoogroups.com, "Skip K3CC" <k3cc@...> wrote:
>
> HI Gang,
> I am plagued with the AF and Multi not working......
> Does anyone have an idea why ???? If I bang on it
> or push it on/off it will sometime submit to me hi hi
>
> de Skip K3CC
>
> [Non-text portions of this message have been removed]
>

9709. Re: [orion565] Re: Main AF/MULTI

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-18 17:34:10 UTC
From: John
Topic: 9704 Message: 9709

I have found since the last update my 566 multi knob works perfect. Before the update, hit and miss. The knob's erratic behavior appears like a mechanical breakdown but I found it was a software issue...

73 John K7FD

On Sep 18, 2013, at 9:38 AM, "Skip K3CC" <k3cc@...> wrote:

> Tnx Wayne,
> THe First things I did was replace the battery... I didn’t think at first that was the problem but it did help
> some other problem..
> I used some “De OK IT” and that helped... then I used a Qtip with ALNOX the stuff they use for Aluminum
> wire on the entrance cable to your house... that worked well..
>
> tnx de Skip K3CC
>
> From: vk4eu
> Sent: Tuesday, September 17, 2013 3:18 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Re: Main AF/MULTI
>
>
> Hi Skip
> You say your multi control is behaving strange if there are other strange things occurring as well and if your radio has not a battery change in the last 5,6 to 7 years that could your problem flat CPU batteries can cause very erratic behaviour. I was having problems with strange bhaviour changed the battery all fixed.
>
> 73 Wayne VK4EU
>
> --- In orion565@yahoogroups.com, "Skip K3CC" <k3cc@...> wrote:
> >
> > HI Gang,
> > I am plagued with the AF and Multi not working......
> > Does anyone have an idea why ???? If I bang on it
> > or push it on/off it will sometime submit to me hi hi
> >
> > de Skip K3CC
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>

9710. Orion Headphone Jack Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-19 05:41:51 UTC
From: Jim Koshmider
Topic: 9710 Message: 9710

Greetings to the Orion group -

Does anyone have information about the headphone jack (front panel) failing? I had the Orion (565) on with the headset, and decided to go to the speaker. When I pulled the headphone plug out, the speaker worked fine, but when I re-inserted the plug, the audio level on my headphones was waaaaay... down. Never had this happen before.

Any info on experience with this issue would be appreciated.

Thanks -

73,

Jim, K8OZ

9711. Re: [orion565] Orion Headphone Jack Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-19 12:26:30 UTC
From: Peter Rogers
Topic: 9710 Message: 9711

When you took the headphone plug out the plug has grounded itself out.. you will need a new female plug for the radio.

****
Peter Rogers ve3etr ve3zzv
Irritating Practically Everyone since 1944
****

>_____
> From: Jim Koshmider <k8oz1@...>
>To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
>Sent: Thursday, September 19, 2013 1:41:51 AM
>Subject: [orion565] Orion Headphone Jack Problem
>
>
>
>
>Greetings to the Orion group -
>
>
>Does anyone have information about the headphone jack (front panel) failing? I had the Orion (565) on with the headset, and decided to go to the speaker. When I pulled the headphone plug out, the speaker worked fine, but when I re-inserted the plug, the audio level on my headphones was waaaaay... down. Never had this happen before.
>
>
>Any info on experience with this issue would be appreciated.
>
>
>Thanks -
>
>
>73,
>
>
>Jim, K8OZ
>
>
>

9712. Re: [orion565] Orion Headphone Jack Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-19 12:52:17 UTC
From: k3xr@...
Topic: 9710 Message: 9712

Wonder if this might be a problem related to the jacks used by TT. Have an O II that has a very "touchy" CW front panel jack you need to play around with it to get all three contacts to work. It needs to be plugged in and pulled out slightly to work properly. DAN, K3XR

----- Original Message -----

From: "Peter Rogers" <petlin74@...>
To: orion565@yahoogroups.com
Sent: Thursday, September 19, 2013 8:26:30 AM
Subject: Re: [orion565] Orion Headphone Jack Problem

When you took the headphone plug out the plug has grounded itself out.. you will need a new female plug for the radio.

****
Peter Rogers ve3etr ve3zzv
Irritating Practically Everyone since 1944
****

From: Jim Koshmider <k8oz1@...>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Sent: Thursday, September 19, 2013 1:41:51 AM
Subject: [orion565] Orion Headphone Jack Problem

Greetings to the Orion group -

Does anyone have information about the headphone jack (front panel) failing? I had the Orion (565) on with the headset, and decided to go to the speaker. When I pulled the headphone plug out, the speaker worked fine, but when I re-inserted the plug, the audio level on my headphones was waaaaay... down. Never had this happen before.

Any info on experience with this issue would be appreciated.

Thanks -

73,

Jim, K8OZ

9713. Re: Orion Headphone Jack Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-19 15:21:01 UTC
From: w5kg
Topic: 9710 Message: 9713

Hello Jim. I use an external speaker (SP-6). I noticed that mine (565) with the speaker plugged in, my head phones audio was down also. But if I plug the headset into my SP-6 everything is fine. I don't worry about it. I just turn up the volume or plug into my speaker's jack.
I figured if it ain't broke don't fix it!
Don, W5KG

--- In orion565@yahoogroups.com, Jim Koshmider <k8oz1@...> wrote:
>
> Greetings to the Orion group -
>
> Does anyone have information about the headphone jack (front panel) failing? I had the Orion (565) on with the headset, and decided to go to the speaker. When I pulled the headphone plug out, the speaker worked fine, but when I re-inserted the plug, the audio level on my headphones was waaaaay... down. Never had this happen before.
>
> Any info on experience with this issue would be appreciated.
>
> Thanks -
>
> 73,
>
> Jim, K8OZ
>

9714. Re: [orion565] Re: Orion Headphone Jack Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-19 18:02:20 UTC
From: Jim Koshmider
Topic: 9710 Message: 9714

OK, Don -

Thanks for the idea.

The only reason I want to find out about the phone jack circuit is because I like to use a headset during contests. I think I'll try your idea for a while, and worry about repairing the circuit later.

Thanks again for the help.

73,

Jim, K8OZ

From: w5kg <w5kg@...>
To: orion565@yahoogroups.com
Sent: Thursday, September 19, 2013 9:21 AM
Subject: [orion565] Re: Orion Headphone Jack Problem

Hello Jim. I use an external speaker (SP-6). I noticed that mine (565) with the speaker plugged in, my head phones audio was down also. But if I plug the headset into my SP-6 everything is fine. I don't worry about it. I just turn up the volume or plug into my speaker's jack.
I figured if it ain't broke don't fix it!
Don, W5KG

--- In orion565@yahoogroups.com, Jim Koshmider <k8oz1@...> wrote:
>
> Greetings to the Orion group -
>
> Does anyone have information about the headphone jack (front panel) failing? I had the Orion (565) on with the headset, and decided to go to the speaker. When I pulled the headphone plug out, the speaker worked fine, but when I re-inserted the plug, the audio level on my headphones was waaaaay... down. Never had this happen before.
>
> Any info on experience with this issue would be appreciated.
>
> Thanks -
>
> 73,
>
> Jim, K8OZ
>

9715. Re: [orion565] Orion Headphone Jack Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-19 18:14:07 UTC
From: Jim Koshmider
Topic: 9710 Message: 9715

Hi, Peter -

Do you mean that I will need to replace the phone jack in the radio?

This seems strange to me, as I have never had this happen with any other radio. Do you know if there is something strange about the headphone circuit in the Orion that makes it vulnerable to such problems?

Thanks for your thoughts on this issue.

73,

Jim, K8OZ
New Mexico

From: Peter Rogers <petlin74@...>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Sent: Thursday, September 19, 2013 6:26 AM
Subject: Re: [orion565] Orion Headphone Jack Problem

When you took the headphone plug out the plug has grounded itself out.. you will need a new female plug for the radio.

****
Peter Rogers ve3etr ve3zzv
Irritating Practically Everyone since 1944
****

>---
> From: Jim Koshmider <k8oz1@...>
>To: "orion565@...m" <orion565@yahoogroups.com>
>Sent: Thursday, September 19, 2013 1:41:51 AM
>Subject: [orion565] Orion Headphone Jack Problem
>
>
>
>
>Greetings to the Orion group -
>
>
>Does anyone have information about the headphone jack (front panel) failing? I had the Orion (565) on with the headset, and decided to go to the speaker. When I pulled the headphone plug out, the speaker worked fine, but when I re-inserted the plug, the audio level on my headphones was waaaaay... down. Never had this happen before.
>
>

>Any info on experience with this issue would be appreciated.
>
>
>Thanks -
>
>
>73,
>
>
>Jim, K8OZ
>
>

9716. RE: [orion565] Orion Headphone Jack Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-19 21:00:37 UTC
From: Duane Calvin
Topic: 9710 Message: 9716

Jim,

Is there any chance that your headphone plug is not the standard size? (I don't know how this would happen, but had to ask.) Does it fail the same way with another set of headphones? And I'm not sure how a "headphone circuit" issue would cause a poor connection at the plug. It's possible the jack itself has failed in early life – that seems remote, but it could happen.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

<http://www.centraltexasbluegrass.org/join.html> ctba_gr

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Jim Koshmider
Sent: Thursday, September 19, 2013 1:14 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion Headphone Jack Problem

Hi, Peter -

Do you mean that I will need to replace the phone jack in the radio?

This seems strange to me, as I have never had this happen with any other radio. Do you know if there is something strange about the headphone circuit in the Orion that makes it vulnerable to such problems?

Thanks for your thoughts on this issue.

73,

Jim, K8OZ

New Mexico

From: Peter Rogers <petlin74@yahoo.com>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Sent: Thursday, September 19, 2013 6:26 AM
Subject: Re: [orion565] Orion Headphone Jack Problem

When you took the headphone plug out the plug has grounded itself out.. you will need a new female plug for the radio.

****
Peter Rogers ve3etr ve3zzv
Irritating Practically Everyone since 1944
****

From: Jim Koshmider <k8oz1@...>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Sent: Thursday, September 19, 2013 1:41:51 AM
Subject: [orion565] Orion Headphone Jack Problem

Greetings to the Orion group -

Does anyone have information about the headphone jack (front panel) failing? I had the Orion (565) on with the headset, and decided to go to the speaker. When I pulled the headphone plug out, the speaker worked fine, but when I re-inserted the plug, the audio level on my headphones was waaaaay... down. Never had this happen before.

Any info on experience with this issue would be appreciated.

Thanks -

73,

Jim, K8OZ

[Non-text portions of this message have been removed]

9717. RE: Orion Headphone Jack Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-19 21:49:08 UTC
From: <yawhoo@...>
Topic: 9710 Message: 9717

Hi Jim and All .. My bet is that your headphones are monaural and they have a regular tip/sleeve 1/4 inch jack (two circuit) on the end.

The Orion phone jack is for stereo phones, unless you rewire the plug. It accepts a tip/ring/sleeve 1/4 inch phone jack for the standard stereo plug with three connections. The Orion has two independent audio amplifiers inside to drive the left side and the other the right side. There are several Orion features that use this like BINRX and other manufactures rarely do this.

I'm just guessing but if your headphones have the regular two circuit 1/4 inch jack, you probably shorted out one of the amplifiers and it will have to be replaced to fix the problem.

You can check this by taking your headphones and inserting the plug slowly until you just hear the very low audio. Then insert it all the way and the audio should come up to full level. If so, you did!

There are a bunch of Orion 565's out there that are changing hands and unless you read the manual before inserting your headphones, this might become a very common problem. I sent you a copy of page 10 of the operating manual that describes this jack as a private email. I hope it helps. --Larry W9MDX

--- In orion565@yahoogroups.com, <orion565@yahoogroups.com> wrote:

Greetings to the Orion group -

Does anyone have information about the headphone jack (front panel) failing? I had the Orion (565) on with the headset, and decided to go to the speaker. When I pulled the headphone plug out, the speaker worked fine, but when I re-inserted the plug, the audio level on my headphones was waaaaay... down. Never had this happen before.

Any info on experience with this issue would be appreciated.

Thanks -

73,

Jim, K8OZ

9718. Re: [orion565] RE: Orion Headphone Jack Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-20 00:25:42 UTC
From: catfishtwo@...
Topic: 9710 Message: 9718

yup, stereo only, I remember that from the book.. good luck tom N6AJR

In a message dated 9/19/2013 2:49:12 P.M. Pacific Daylight Time,
yawhoo@... writes:

Hi Jim and All .. My bet is that your headphones are monaural and they have
a regular tip/sleeve 1/4 inch jack (two circuit) on the end.

The Orion phone jack is for stereo phones, unless you rewire the plug. It
accepts a tip/ring/sleeve 1/4 inch phone jack for the standard stereo plug
with three connections. The Orion has two independent audio amplifiers
inside to drive the left side and the other the right side. There are several
Orion features that use this like BINRX and other manufactures rarely do
this.

I'm just guessi ng but if your headphones have the regular two circuit 1/4
inch jack, you probably shorted out one of the amplifiers and it will have
to be replaced to fix the problem.

You can check this by taking your headphones and inserting the plug slowly
until you just hear the very low audio. Then insert it all the way and the
audio should come up to full level. If so, you did!

There are a bunch of Orion 565's out there that are changing hands
and unless you read the manual before inserting your headphones, this might
become a very common problem. I sent you a copy of page 10 of the operating
manual that describes this jack as a private email. I hope it helps.
--Larry W9MDX

--- In orion565@yahoogroups.com, <orion565@yahoogroups.com> wrote:

Greetings to the Orion group -

Does anyone have information about the headphone jack (front panel)
failing? I had the Orion (565) on with the headset, and decided to go to the
speaker. When I pulled the headphone plug out, t he speaker worked fine, but
when I re-inserted the plug, the audio level on my headphones was
waaaaay... down. Never had this happen before.

Any info on experience with this issue would be appreciated.

Thanks -

73,

Jim, K8OZ

9719. Re: [orion565] Orion Headphone Jack Problem

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-20 02:20:43 UTC
From: Wayne Staples
Topic: 9710 Message: 9719

On 9/19/2013 3:41 PM, Jim Koshmider wrote:
>
>
> Greetings to the Orion group -
>
> Does anyone have information about the headphone jack (front panel)
> failing? I had the Orion (565) on with the headset, and decided to go
> to the speaker. When I pulled the headphone plug out, the speaker
> worked fine, but when I re-inserted the plug, the audio level on my
> headphones was waaaaay... down. Never had this happen before.
>
> Any info on experience with this issue would be appreciated.
>
> Thanks -
>
> 73,
>
> Jim, K8OZ
>
>
>
HI Jim
The head sets used for TT 565/566 must be stereo if your head set is
has a mono plug when you plug them you will cause a short circuit and
you will damage the right head phone amplifier and that will require a
replacment.
Both audio channels are still available from rear panel i/o socket. This
is for your info it may not be what has happened to your 565.

Regards Wayne VK4EU

9720. FOR SALE: Tentec OMNI-VII transceiver (Model 588) without autotuner.

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-24 15:18:44 UTC
From: Torrey Mitchell
Topic: 9720 Message: 9720

FOR SALE: Tentec OMNI-VII transceiver (Model 588) without autotuner.
Purchased new. Collins 500 Hz CW filter installed. Model 310 cooling fan.
Model 302R Remote Encoder included. My backup rig almost from the beginning.
Therefore has very low hours usage. Firmware current 1.035. Non-smoking
shack. Asking $1975...shipped to the "lower 48".

9721. RE: Re: [orion565] Re: Main AF/MULTI

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-28 00:54:05 UTC
From: <luiz.lissoni@...>
Topic: 9704 Message: 9721

Encoder failure

Dear all,

My orion2 shows a continuous failure at the main encoder. It could be something could be fixed updating the firmware ?

Or the option is ordering a new encoder and pray for a good technician ?

Regards

Luiz
Py2kd

---In orion565@yahoogroups.com, <orion565@yahoogroups.com> wrote:

I have found since the last update my 566 multi knob works perfect. Before the update, hit and miss. The knob's erratic behavior appears like a mechanical breakdown but I found it was a software issue...

73 John K7FD

On Sep 18, 2013, at 9:38 AM, "Skip K3CC" <k3cc@...> wrote:

Tnx Wayne,

THe First things I did was replace the battery... I didn’t think at first that was the problem but it did help

some other problem..

I used some “De OK IT” and that helped... then I used a Qtip with ALNOX the stuff they use for Aluminum

wire on the entrance cable to your house... that worked well..

tnx de Skip K3CC

From: vk4eu

Sent: Tuesday, September 17, 2013 3:18 AM

To: orion565@yahoogroups.com

Subject: [orion565] Re: Main AF/MULTI

Hi Skip
You say your multi control is behaving strange if there are other strange things occurring as well and if your radio has not a battery change in the last 5,6 to 7 years that could your problem flat CPU batteries can cause very erratic behaviour. I was having problems

with strange bhaviour changed the battery all fixed.

73 Wayne VK4EU

--- In orion565@yahoogroups.com, "Skip K3CC" <k3cc@...> wrote:
>
> HI Gang,
> I am plagued with the AF and Multi not working......
> Does anyone have an idea why ???? If I bang on it
> or push it on/off it will sometime submit to me hi hi
>
> de Skip K3CC
>
> [Non-text portions of this message have been removed]
>

9722. [orion565] Re: Main AF/MULTI

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-28 04:39:33 UTC
From: pa1ap
Topic: 9704 Message: 9722

Lets determine first if its a encoder issue;

1- when does the problem occur? Does the encode not follow the turns you make? Is the problem consistent? Are there big gaps when turning the knob a full 360 degree as slow speed?

2- which firmware are you using? To my knowledge we havd not seen firmware causing troubles... but it would be good to know version.

3- does the problem change with temperature?

4- an old and often used trick is to reposition the encoder cables as well the logic board.. some report the connectors make poor contact at times causing the encoders work poorly.. this is captured on the tentec wiki page.

Best regards, Onno

9723. 565 Main RX not Tuning

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-30 04:34:53 UTC
From: KevinCornwell
Topic: 9723 Message: 9723

I've just updated to the latest x5 firmware, I kept getting the master reset messages on every boot so I changed the internal battery. The batt change fixed the master boot problem. I re-installed the firmware, ram/master sequence multiple times. The main RX will not tune. It's 'stuck' on some unknown frequency. VFO A or B can be set to control it, the display will change numbers, the sweep line will move BUT the sweep graph doesn't change and the frequency actually tuned doesn't change. VFO-A or B will properly change the Sub-RX. No go on the Main. I just tried again and it seems that the RX will change frequency, but in hugh jumps - I have no idea the size of the jumps. I tune perhaps 100khz and then suddenly an audible jump occurs (it shifts away from whatever noise it was on, to - where?) Band Changes do occur, but again, no linear frequency change. Doesn't matter whether it's the remote pod or main knob, or what the tuning speed (or step) is.

Ideas?
Thanks,
Kevin, N6ABW

9724. RE: [orion565] 565 Main RX not Tuning

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-30 11:37:48 UTC
From: John Hudson
Topic: 9723 Message: 9724

Kevin just asking, would you happen to have any logging program up and running also?

I have had something similar happen 2 or 3 times due to the updates. I tried the master reboot a few times and no help but I did a PC reboot (Win XP and run DXLAB) and it after the PC reboot it would be ok. BTW I have to disable COMMANDER (DXLabs rig control) module before updating the Orion so I don’t think it’s the logging program exactly

But again, I had to do this to mine at least twice, I had the problems and reloaded older firmware’s and went back to the newest and had to reboot the PC to get the VFO to work

Good luck

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of KevinCornwell
Sent: Sunday, September 29, 2013 11:35 PM
To: orion565@yahoogroups.com
Subject: [orion565] 565 Main RX not Tuning

I've just updated to the latest x5 firmware, I kept getting the master reset messages on every boot so I changed the internal battery. The batt change fixed the master boot problem. I re-installed the firmware, ram/master sequence multiple times. The main RX will not tune. It's 'stuck' on some unknown frequency. VFO A or B can be set to control it, the display will change numbers, the sweep line will move BUT the sweep graph doesn't change and the frequency actually tuned doesn't change. VFO-A or B will properly change the Sub-RX. No go on the Main. I just tried again and it seems that the RX will change frequency, but in hugh jumps - I have no idea the size of the jumps. I tune perhaps 100khz and then suddenly an audible jump occurs (it shifts away from whatever noise it was on, to - where?) Band Changes do occur, but again, no linear frequency change. Doesn't matter whether it's the remote pod or main knob, or what the tuning speed (or step) is.

Ideas?
Thanks,
Kevin, N6ABW

9725. Re: 565 Main RX not Tuning

Yahoo group: orion565 (2009 — 2013)
Date: 2013-09-30 14:16:11 UTC
From: Howard Smith
Topic: 9723 Message: 9725

Hi Kevin,

I'm sorry to hear that you are having problems with the latest Orion update.

I am going to ask a series of questions to help see if I can figure out what has happened..

Are you using any rig control software such as N4PY or Ham Radio Deluxe? If you are, try disconnecting the serial port, and see if that makes any difference.

If you go to the RX Menu, does the VFO-A knob move the highlighted line up and down? And also on the other Menu screens?

If you press and hold the Menu button, the display will show the TenTec logo and the software versions. Can you report the version numbers and the dates shown?

If you press the Audio button, does that show the Audio Menu on the right edge of the screen? Does the VFO A knob work with the Audio Menu on the screen?

Now, try the VFO A knob on the main radio screen and report if it works.

Finally, go to the Other Menu, and change the VFO-A Enc Rate to Fast. Exit the Other Menu, and try the VFO A knob. Does it work now? If it does, then go back to the Other Menu, and change the VFO-A Enc Rate back to Slow. Exit the Other Menu and check for VFO A knob for proper operation.

I noticed that you have done the RAM Clear function followed by a Master Reset. That usually fixes these kinds of problems.

Thanks for your help.

73..
Howard, WA9AXQ

[Non-text portions of this message have been removed]

9726. Orion-3 wish-list

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-01 05:55:16 UTC
From: <vk2im9@...>
Topic: 9726 Message: 9726

Hi all,

I’m not sure if T-T is already working on the replacement for Orion-2 or even considering it. I guess the current O-1/O-2 users will be first in market for the new “Orion-3” (if&when), so the wish-list from us, current Orion users, might be welcomed by T-T…

Here are few things what I can think of to start the list:

- Build-in receiver’s frond-end filters capable handling of 200+W, aka W3NQN or similar and mechanical relays for switching (no semiconductors before filters) – no need for external band-pass filters for multi-transmitter operation.

- 2 receivers + 1 transmitter in one box rather than TRX with extra RX. O3 should be capable of cross band duplex. Full SO2R support – while transmitting on one band to be able to receive on other band. The O-1/2 is able to control two PAs for different bands but the true SO2R capabilities are quite limited. It would be nice to have radio where we just plug head-set, paddle and USB cable and that’s all. No need for all these SO2R switching boxes, external keyers etc.

- Build-in AC110/240V power supply. Orion does not come mobile bracket and most backpacks are simply too small for Orion. Since there is no need for DC12V, then the build-in power supply can be DC48V for decent HF-MOSFET PA.

- Two independent LCD screens for 2 receivers with dedicated tune/gain/rit/band-width control knob for each receiver.

- Better spectrum display (higher resolution/sampling ADC).

Any other suggestions?

If the new "Orion-3" will listen like O-2 and does as above, then I'm selling my kidney on ebay.

73's
Vlad-VK2IM

9727. Re: Orion-3 wish-list

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-01 09:29:12 UTC
From: f3wt@...
Topic: 9726 Message: 9727

My 2 cents contribution,(not being sure it hasn't already been proposed)

9728. Re: Orion-3 wish-list and/or FM release mods

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-01 09:53:07 UTC
From: f3wt@...
Topic: 9728 Message: 9728

My 2 cents contribution,(not being sure it hasn't already been proposed :

- both RX phased locked ,(phasing tunable 0° to 2 Pi)
- much more reliable SW /FM (as an example: scanning all rotary encoders mimicking potentiometers OR (even better IMHO): change design strategy
about this and go back to plain pots again by means of multiple ADC)
- CW side tone level control (by Multi "pot") INDEPENDENT of AF level control.(it is vy annoying to have to reduce it when tuning up AF under weak
signal cw DXing conditions!

- Also a NO CHANGE wish (or rather a minor one t.b.implemented in a next FM release):
That SAF. This is to me a HUGE feature and made more then often the difference in weak (stereo with Sub RX) detection in CW on 10 Hz BW !! keep it Just reverse the sequence when hitting the Notch button there: BW first and Center frequency second rather than the other way around as today! Why? Because when in hurry , under stress in dxing and/or QRM: CF - probably already set equal to Pitch - has less priority than BW tuning probability! OK?

73
Pierre, F3WT

9729. RE: 565 V3.032x5 released on TEN-TEC Website

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-01 18:14:52 UTC
From: <f3wt@...>
Topic: 9681 Message: 9729

X5 latest release:

Hi Gents :
Sorry to put may be too simple a question: how do you do a .. "RAM reset" on this rig?
Previous updates called for "master resets" . This one needs both! Coudn't find how so far.

Thanks a lot in advance.
73
Pierre, F3WT

---In orion565@yahoogroups.com, <vk4eu@...> wrote:

On 14/09/2013 19:09, Sam W Jacobs CET wrote:

I just hope they continue to take care of the 566.

Things that were promised to be worked into the ORION II still have not been, and now that they have discontinued it makes me think they have no intentions of continuing support, guess I'll have to wait and see.

73 !

Sam

K3SAM

From: "saukp@..." <saukp@...>
To: orion565@yahoogroups.com
Sent: Thursday, September 12, 2013 8:34 PM
Subject: RE: Re: [orion565] 565 V3.032x5 released on TEN-TEC Website

now that the update has been out for 48 hours... how are the 565 owners enjoying the update...good ..bad..or OK...

gotta luv TenTec for ongoing support

paul K3SF

--- In orion565@yahoogroups.com, <orion565@yahoogroups.com> wrote:

What about 566? Do you planning to update the firmware to?

Thanks

Arek AC2FC

Sent from my iPhone

On Sep 10, 2013, at 4:04 PM, <jhenry@...> wrote:

It is ready for download.

Be sure you read the release notes for it, 34 items modified.

It will require the usual Master Reset/RAM Clear sequence.

Some default values have changed due to requests from MANY users, so, read the release notes, and change them back to something else if you prefer.

Let me know if you all find any real interesting items.

This release also addresses an issue Rob Sherwood has been discussing, how impulse noise can load up the AGC on the 565/566.

Now, when impulse noise comes in (e.g. an electric fence), it will not load up the AGC, making it hard to copy just after the noise pulse disappears.

With the previous release, the noise pulse may sound as a quick snap, and then no audio until AGC decay brings back the nominal receive audio.

With the 3.032x5 release, the noise pulse will last longer, could sound like a scratch or crash (which impulse noise will sound like when NB is not turned on), but when the impulse noise goes away, the nominal receive audio is back to the same level it was right before the noise pulse started. If the sound of the impulse noise is objectionable, then the Noise Blanker will remove it anyway. That is what the Noise Blanker was intended for, to remove spurious impulse noise.

If you find anything that needs attention, let me know.

I want to thank the beta team and developers for spending the last several months hashing through this, I couldn't have made this release without their help and support and holding my coals to the fire.

The release is located at the TEN-TEC Transceiver Downloads web page, along with the version history if you want to peruse it before downloading.

Transceiver Download direct link:

http://www.tentec.com/pages/Transceiver-Downloads.html

scroll down to 565, find "Firmware Ver 3.032x5" on the right hand column, click to download the installer, then run it, look for a new "Start" "TEN-TEC...etc.

The revision notes are at the same location, middle column, or, I've added the link here:

https://www.tentec.com/content/downloads/firmware/Orion%20V3%20History.pdf

Thanks, and 73,

John Henry, KI4JPL

TEN-TEC Engineering

Sorry guys I did not put name on the end

Cheers Wayne VK4EU

9731. RE: 565 V3.032x5 released on TEN-TEC Website

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-02 16:06:36 UTC
From: <ve7tk@...>
Topic: 9681 Message: 9731

Check out the last few pages of the 565/566 User Manual Addendum on the TEN-TEC site:

https://www.tentec.com/content/downloads/manuals/566/74474%20Orion565n566%20User%20Manual%20Addendum%20V3%20Firmware.pdf

73, Rick
VE7TK

---In orion565@yahoogroups.com, <f3wt@...> wrote:

X5 latest release:

Hi Gents :
Sorry to put may be too simple a question: how do you do a .. "RAM reset" on this rig?
Previous updates called for "master resets" . This one needs both! Coudn't find how so far.

Thanks a lot in advance.
73
Pierre, F3WT

---In orion565@yahoogroups.com, <vk4eu@...> wrote:

On 14/09/2013 19:09, Sam W Jacobs CET wrote:

I just hope they continue to take care of the 566.

Things that were promised to be worked into the ORION II still have not been, and now that they have discontinued it makes me think they have no intentions of continuing support, guess I'll have to wait and see.

73 !

Sam

K3SAM

From: "saukp@..." <saukp@...>
To: orion565@yahoogroups.com
Sent: Thursday, September 12, 2013 8:34 PM
Subject: RE: Re: [orion565] 565 V3.032x5 released on TEN-TEC Website

now that the update has been out for 48 hours... how are the 565 owners enjoying the update...good ..bad..or OK...

gotta luv TenTec for ongoing support

paul K3SF

--- In orion565@yahoogroups.com, <orion565@yahoogroups.com> wrote:

What about 566? Do you planning to update the firmware to?

Thanks

Arek AC2FC

Sent from my iPhone

On Sep 10, 2013, at 4:04 PM, <jhenry@...> wrote:

It is ready for download.

Be sure you read the release notes for it, 34 items modified.

It will require the usual Master Reset/RAM Clear sequence.

Some default values have changed due to requests from MANY users, so, read the release notes, and change them back to something else if you prefer.

Let me know if you all find any real interesting items.

This release also addresses an issue Rob Sherwood has been discussing, how impulse noise can load up the AGC on the 565/566.

Now, when impulse noise comes in (e.g. an electric fence), it will not load up the AGC, making it hard to copy just after the noise pulse disappears.

With the previous release, the noise pulse may sound as a quick snap, and then no audio until AGC decay brings back the nominal receive audio.

With the 3.032x5 release, the noise pulse will last longer, could sound like a scratch or crash (which impulse noise will sound like when NB is not turned on), but when the impulse noise goes away, the nominal receive audio is back to the same level it was right before the noise pulse started. If the sound of the impulse noise is objectionable, then the Noise Blanker will remove it anyway. That is what the Noise Blanker was intended for, to remove spurious impulse noise.

If you find anything that needs attention, let me know.

I want to thank the beta team and developers for spending the last several months hashing through this, I couldn't have made this release without their help and support and holding my coals to the fire.

The release is located at the TEN-TEC Transceiver Downloads web page, along with the version history if you want to peruse it before downloading.

Transceiver Download direct link:

http://www.tentec.com/pages/Transceiver-Downloads.html

scroll down to 565, find "Firmware Ver 3.032x5" on the right hand column, click to download the installer, then run it, look for a new "Start" "TEN-TEC...etc.

The revision notes are at the same location, middle column, or, I've added the link here:

https://www.tentec.com/content/downloads/firmware/Orion%20V3%20History.pdf

Thanks, and 73,

John Henry, KI4JPL

TEN-TEC Engineering

Sorry guys I did not put name on the end

Cheers Wayne VK4EU

9732. Dim LEDs on Orion front panel

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-03 15:49:01 UTC
From: Barry N1EU
Topic: 9732 Message: 9732

The LEDs illuminating the ANT and VFO switch matrix are VERY dim, essentially impossible to see. Before I tear into my Orion 565, I was wondering if anybody else has previously troubleshot this exact issue.

I suspect either impaired connector conductivity or a bad cap. But has anybody already done this deed and can report their findings?

Thanks & 73,
Barry N1EU

9733. Re: [orion565] Dim LEDs on Orion front panel

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-03 20:17:56 UTC
From: K Van Horn
Topic: 9732 Message: 9733

Barry,
I have not experienced this problem, but I would suspect a 5 volt power problem on the A9 board.
73,
Kirby k7ec

From: Barry N1EU
Sent: Thursday, 3 October, 2013 09:49
To: Orion565 ; Discussion of Ten-Tec Equipment
Subject: [orion565] Dim LEDs on Orion front panel

The LEDs illuminating the ANT and VFO switch matrix are VERY dim, essentially impossible to see. Before I tear into my Orion 565, I was wondering if anybody else has previously troubleshot this exact issue.

I suspect either impaired connector conductivity or a bad cap. But has anybody already done this deed and can report their findings?

Thanks & 73,
Barry N1EU

9734. FS: TEN-TEC ORION II w/ RX366 Rcvr MINT

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-06 09:08:43 UTC
From: <wolobmp@...>
Topic: 9734 Message: 9734

For Sale: Ten-Tec Orion II. Mint condition, perfect, no marks, dings, scratch markings or ham radio op goop! One of the last purchased directly from Ten-Tec in June'13. Comes with the following items: auto antenna tuner, RX366 hi end sub receiver which has 2.4kc and 6kc filters installed and main rcvr has all 3 filters installed. Latest version 3.033xa OS, and also will include Ten-Tec #707 desk mic with 707 T8 mic cable and Ten Tec #709 desk mic with custom mic stand and cable. Everything is perfect in as-new condition and reason for selling is to purchase FTDX5000. (Had one, and would like to put one back in the shack). No mods, from non-smoking home. Have all the box's, manuals, and power cables. No trades and no international buyers. CONUS only please. Price is $3000 plus shipping. Accept postal money order, cashiers check or paypal +3.5% fee. No tire kickers, and price is not adjustable. Any questions, please email. Thanks for looking 73

9735. Orion 565 to Hercules II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-07 20:32:43 UTC
From: <qrzthedx@...>
Topic: 9735 Message: 9735

Have recently acquired an Orion 565 and it's still taking me to school What is the wiring and set-up to use with a Herc II amp? I have the TX Out / TX EN cables configured between the two, as with my Omni 6+. What else is needed? Any changes in menu settings?

Secondly, what is needed to get the Herc II to automatically follow band changes in the Orion?

Thanks/73, Ron K5XK

9736. RE: FS: TEN-TEC ORION II w/ RX366 Rcvr MINT

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-08 10:32:17 UTC
From: <wolobmp@...>
Topic: 9734 Message: 9736

ORION II has been sold. Thank you.

---In orion565@yahoogroups.com, <wolobmp@...> wrote:

For Sale: Ten-Tec Orion II. Mint condition, perfect, no marks, dings, scratch markings or ham radio op goop! One of the last purchased directly from Ten-Tec in June'13. Comes with the following items: auto antenna tuner, RX366 hi end sub receiver which has 2.4kc and 6kc filters installed and main rcvr has all 3 filters installed. Latest version 3.033xa OS, and also will include Ten-Tec #707 desk mic with 707 T8 mic cable and Ten Tec #709 desk mic with custom mic stand and cable. Everything is perfect in as-new condition and reason for selling is to purchase FTDX5000. (Had one, and would like to put one back in the shack). No mods, from non-smoking home. Have all the box's, manuals, and power cables. No trades and no international buyers. CONUS only please. Price is $3000 plus shipping. Accept postal money order, cashiers check or paypal +3.5% fee. No tire kickers, and price is not adjustable. Any questions, please email. Thanks for looking 73

9737. Re: [orion565] Orion 565 to Hercules II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-08 21:10:00 UTC
From: AB5EU
Topic: 9735 Message: 9737

Ron,
I sent you a note just now to your other email address. I have the whole document package for the Orion/Orion-II remote control for the Herc-II.
I used a relay module (Ebay $10 shipped from BY) to convert the active-low (Ground) Orion-II band signal to the active-high (+13.8v) Herc-II signals.
Three diodes are needed to OR the Herc-II band selection for 40/30m, 17/15m & 12/10m.
The relay module needs 5v via a 78L05 from the Herc-II 13.8v. The connectors, pins and components plus relay module is less than $30.
Don't forget to enable the TX qsk loop and the TX band data to ANT-1 or it won't toggle - at least on my O-II it does'nt.

Search for "8CH Channel 5V Relay Module Board Shield Blue for Arduino PIC AVR MCU DSP ARM US (http://www.ebay.com/itm/8CH-Channel-5V-Relay-Module-Board-Shield-Blue-for-Arduino-PIC-AVR-MCU-DSP-ARM-US-/130987573137?pt=LH_DefaultDomain_0&hash=item1e7f77bf91)"

This one is active:
http://www.ebay.com/itm/8CH-Channel-5V-Relay-Module-Board-Shield-Blue-for-Arduino-PIC-AVR-MCU-DSP-ARM-US-/130987573137?pt=LH_DefaultDomain_0&hash=item1e7f77bf91

73 Trevor AB5EU

On 10/7/2013 3:32 PM, qrzthedx@... wrote:

Have recently acquired an Orion 565 and it's still taking me to school What is the wiring and set-up to use with a Herc II amp? I have the TX Out / TX EN cables configured between the two, as with my Omni 6+. What else is needed? Any changes in menu settings?

Secondly, what is needed to get the Herc II to automatically follow band changes in the Orion?

Thanks/73, Ron K5XK

9738. Orion II 566V3.033xd released

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-10 19:47:31 UTC
From: <jhenry@...>
Topic: 9738 Message: 9738

I just posted 566V3.033xd firmware update for the Orion II Model 566. Changes include:

Version 3.033xd July 9, 2013
Modified pseudo AGC attack so that it is more resistant to loading upon impulse noise

You can find it at the downloads section of our website.
Go to
http://www.tentec.com/ http://www.tentec.com/

Cursor over "Downloads" (towards the right)
When you see the selection list pop up, left mouse click on "Transceiver Downloads"
Scroll down until you see the 566 section.
The update installer is on the right column of the screen, and the revision history is towards the top of the 566 section in the middle column on the screen.

This change will help maintain constant receiver level through impulse noise. It helps the Noise Reduction algorithm behave better as well since it now receives audio without the "loading agc" effect it previously had.

Care should be taken to not engage DSP functions that aren't necessary though. e.g. if you really don't have any impulse noise or electrical fence noise, then don't engage the NB, either DSP NB or HW NB. etc.

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

9739. RE: [orion565] Orion II 566V3.033xd released

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-10 20:19:40 UTC
From: wolfmanjack@...
Topic: 9738 Message: 9739
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

9740. RE: [orion565] Orion II 566V3.033xd released

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-10 20:38:13 UTC
From: wolfmanjack@...
Topic: 9738 Message: 9740
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

9741. RE: Orion II 566V3.033xd released

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-10 20:43:29 UTC
From: <kc2qma@...>
Topic: 9738 Message: 9741

Just installed and it works great!

Just a reminder to all after you install you need to do a RAM Clear, Master Reset and Re-Calibrate your S-meter again.
Then go through all of the menus and enable all of your installed filters.

Thank you John "You Are The Man"!

73,KC2QMA
John

---In orion565@yahoogroups.com, <orion565@yahoogroups.com> wrote:

I just posted 566V3.033xd firmware update for the Orion II Model 566. Changes include:

Version 3.033xd July 9, 2013
Modified pseudo AGC attack so that it is more resistant to loading upon impulse noise

You can find it at the downloads section of our website.
Go to
http://www.tentec.com/ http://www.tentec.com/

Cursor over "Downloads" (towards the right)
When you see the selection list pop up, left mouse click on "Transceiver Downloads"
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This change will help maintain constant receiver level through impulse noise. It helps the Noise Reduction algorithm behave better as well since it now receives audio without the "loading agc" effect it previously had.

Care should be taken to not engage DSP functions that aren't necessary though. e.g. if you really don't have any impulse noise or electrical fence noise, then don't engage the NB, either DSP NB or HW NB. etc.

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

9744. RE: Re: [orion565] RE: Orion II 566V3.033xd released

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-11 08:07:11 UTC
From: <kc2qma@...>
Topic: 9738 Message: 9744

I think that's the date of when the new software went into the beta test stage not the release date?

I'm just so thankful that Ten-Tec keeps making my Orion II better and better!

Thank you again Ten Tec & John Henry for all the hard work you do.

73'John
KC2QMA

---In orion565@yahoogroups.com, <orion565@yahoogroups.com> wrote:

After installing today's newly released version .033xd, I noticed the release date on the display is July 9, 2013...

73 John K7FD

On Oct 10, 2013, at 2:55 PM, "TroyW6HV" <w6hv@... mailto:w6hv@...> wrote:

I agree, works great. Sure glad you mentioned re-calibrating the S-meter, John! I had forgotten all about that.
73,
Troy, W6HV

From: kc2qma@... mailto:kc2qma@...
Sent: Thursday, October 10, 2013 1:43 PM
To: orion565@yahoogroups.com mailto:orion565@yahoogroups.com
Subject: [orion565] RE: Orion II 566V3.033xd released

Just installed and it works great!

Just a reminder to all after you install you need to do a RAM Clear, Master Reset and Re-Calibrate your S-meter again.
Then go through all of the menus and enable all of your installed filters.

Thank you John "You Are The Man"!

73,KC2QMA
John

---In orion565@yahoogroups.com mailto:orion565@yahoogroups.com, <orion565@yahoogroups.com mailto:orion565@yahoogroups.com> wrote:

I just posted 566V3.033xd firmware update for the Orion II Model 566. Changes include:

Version 3.033xd July 9, 2013
Modified pseudo AGC attack so that it is more resistant to loading upon impulse noise

You can find it at the downloads section of our website.
Go to
http://www.tentec.com/ http://www.tentec.com/

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When you see the selection list pop up, left mouse click on "Transceiver Downloads"
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This change will help maintain constant receiver level through impulse noise. It helps the Noise Reduction algorithm behave better as well since it now receives audio without the "loading agc" effect it previously had.

Care should be taken to not engage DSP functions that aren't necessary though. e.g. if you really don't have any impulse noise or electrical fence noise, then don't engage the NB, either DSP NB or HW NB. etc.

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

9745. RE: Re: [orion565] RE: Orion II 566V3.033xd released

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-11 13:18:55 UTC
From: <jhenry@...>
Topic: 9738 Message: 9745

Hi John,

That was the build date.
It was first sent to receiver performance experts for their inputs, then to the beta team, then I held onto it while I was tracking down a problem that I thought was in the code, but turned out to be something else.
You are using the right firmware. It just took a while to go through all those steps above before I felt comfortable releasing it to the world.

Thanks for your interest, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

---In orion565@yahoogroups.com, <orion565@yahoogroups.com> wrote:

After installing today's newly released version .033xd, I noticed the release date on the display is July 9, 2013...

73 John K7FD

On Oct 10, 2013, at 2:55 PM, "TroyW6HV" <w6hv@... mailto:w6hv@...> wrote:

I agree, works great. Sure glad you mentioned re-calibrating the S-meter, John! I had forgotten all about that.
73,
Troy, W6HV

From: kc2qma@... mailto:kc2qma@...
Sent: Thursday, October 10, 2013 1:43 PM
To: orion565@yahoogroups.com mailto:orion565@yahoogroups.com
Subject: [orion565] RE: Orion II 566V3.033xd released

Just installed and it works great!

Just a reminder to all after you install you need to do a RAM Clear, Master Reset and Re-Calibrate your S-meter again.
Then go through all of the menus and enable all of your installed filters.

Thank you John "You Are The Man"!

73,KC2QMA
John

---In orion565@yahoogroups.com mailto:orion565@yahoogroups.com, <orion565@yahoogroups.com mailto:orion565@yahoogroups.com> wrote:

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Version 3.033xd July 9, 2013
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Care should be taken to not engage DSP functions that aren't necessary though. e.g. if you really don't have any impulse noise or electrical fence noise, then don't engage the NB, either DSP NB or HW NB. etc.

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

9746. RE: Re: [orion565] RE: Orion II 566V3.033xd released

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-11 13:27:57 UTC
From: wolfmanjack@...
Topic: 9738 Message: 9746
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

9747. STEPS FOR AN EASY SOFTWARE UPDATE for your Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-11 16:52:26 UTC
From: <kc2qma@...>
Topic: 9747 Message: 9747

STEPS FOR AN EASY SOFTWARE UPDATE

Updating the firmware on your Orion II is easy when you follow these basic steps.

First thing I recommend is to go through all of the menus and write down all of your personal settings because these will be reset to factory default's during the update procedure. You could also take photos of the various screens.

Now let's get the latest software for our Orion II from the Ten-Tec Website.
https://www.tentec.com/content/downloads/manuals/566/566-Setup-3.033xd.exe
https://www.tentec.com/content/downloads/manuals/566/566-Setup-3.033xd.exe

Here are the instructions on how to run the update program.
https://www.tentec.com/content/downloads/manuals/566/HowTo.txt
https://www.tentec.com/content/downloads/manuals/566/HowTo.txt

Now let's do the Master rest & Memory clear. Always do the Ram Clear First!

RAM CLEAR: With Orion II power off press and hold the VFO B LCK button while turning on the Orion II power switch. You will see a message "Master Reset Complete". Then you will see a message "RX366 Installed?" If you have an RX-366 sub receiver installed press YES if not press No.

MASTER RESET: With Orion II power off Press and hold the MAIN RX/TX button below the TT logo while turning on the Orion II power switch. You will see again the message "Master Reset Complete".

Then you will see "Clear User Memories" select yes by pressing the AN button.

Now you will see the message "Reset Optional Filters" select Yes by pressing the AN button.

You will again see the message "RX366 Installed" select yes by pressing the AN button.

Once the Orion II boots up completely you should see 14.250 on the frequency display.

To verify that the Orion II ready for use power off the Orion II and then power ON.

OK almost done. Now we need to Re Calibrate the S-Meter and get all of our menu settings back the way we want them.
S-METER CALIBRATION: Here is a link to the calibration procedure.
https://www.tentec.com/content/downloads/manuals/566/S-Meter%20565%20566%20Calibration%20Procedure.pdf https://www.tentec.com/content/downloads/manuals/566/S-Meter%20565%20566%20Calibration%20Procedure.pdf

Now remember when I said to copy all of your menu settings in the beginning now is when we will refer back to them.

Let's start with enabling the filters by pressing "Menus" then "Filter". This will vary for each user depending on what filters you have installed in your Orion.

Now go though each of the menus and set everything back to the way they were before the firmware update.

Here are some quick links to the Ten Tec Website:
Transceiver Downloads: (http://www.tentec.com/pages/Transceiver-Downloads.html http://www.tentec.com/pages/Transceiver-Downloads.html)
Orion II 566 Firmware Ver. 3.033xd:
https://www.tentec.com/content/downloads/manuals/566/566-Setup-3.033xd.exe https://www.tentec.com/content/downloads/manuals/566/566-Setup-3.033xd.exe
S-Meter Calibration Procedure: https://www.tentec.com/content/downloads/manuals/566/S-Meter%20565%20566%20Calibration%20Procedure.pdf https://www.tentec.com/content/downloads/manuals/566/S-Meter%20565%20566%20Calibration%20Procedure.pdf
How to Update Radio: https://www.tentec.com/content/downloads/manuals/566/HowTo.txt https://www.tentec.com/content/downloads/manuals/566/HowTo.txt

73/KC2QMA
John

9749. RE: Re: [orion565] STEPS FOR AN EASY SOFTWARE UPDATE for your Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-11 18:07:07 UTC
From: <kc2qma@...>
Topic: 9747 Message: 9749

The RX-366 is an add on Super Sub Receiver board that you buy from Ten-Tec. So if you did not install one then just answer NO during the firmware update.

Here is a link to the RX-366: http://www.tentec.com/products/-Orion%7B47%7DOrion-II-High-Performance--ASR-Sub%252dReceiver-Board-Kit.html http://www.tentec.com/products/-Orion%7B47%7DOrion-II-High-Performance--ASR-Sub%252dReceiver-Board-Kit.html

73/KC2QMA
John Magliano

---In orion565@yahoogroups.com, <orion565@yahoogroups.com> wrote:

How does one determine if their O2 has the RX366 installed?

73 John K7FD

On Oct 11, 2013, at 9:52 AM, <kc2qma@... mailto:kc2qma@...> wrote:

STEPS FOR AN EASY SOFTWARE UPDATE

Updating the firmware on your Orion II is easy when you follow these basic steps.

First thing I recommend is to go through all of the menus and write down all of your personal settings because these will be reset to factory default’s during the update procedure. You could also take photos of the various screens.

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https://www.tentec.com/content/downloads/manuals/566/566-Setup-3.033xd.exe

Here are the instructions on how to run the update program.
https://www.tentec.com/content/downloads/manuals/566/HowTo.txt
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MASTER RESET: With Orion II power off Press and hold the MAIN RX/TX button below the TT logo while turning on the Orion II power switch. You will see again the message “Master Reset Complete”.

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S-METER CALIBRATION: Here is a link to the calibration procedure.
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Orion II 566 Firmware Ver. 3.033xd:
https://www.tentec.com/content/downloads/manuals/566/566-Setup-3.033xd.exe https://www.tentec.com/content/downloads/manuals/566/566-Setup-3.033xd.exe
S-Meter Calibration Procedure: https://www.tentec.com/content/downloads/manuals/566/S-Meter%20565%20566%20Calibration%20Procedure.pdf https://www.tentec.com/content/downloads/manuals/566/S-Meter%20565%20566%20Calibration%20Procedure.pdf
How to Update Radio: https://www.tentec.com/content/downloads/manuals/566/HowTo.txt https://www.tentec.com/content/downloads/manuals/566/HowTo.txt

73/KC2QMA
John

9750. RE: Re: [orion565] STEPS FOR AN EASY SOFTWARE UPDATE for your Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-11 18:16:37 UTC
From: wolfmanjack@...
Topic: 9747 Message: 9750
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

9751. RE: RE: Re: [orion565] STEPS FOR AN EASY SOFTWARE UPDATE for your Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-11 18:21:34 UTC
From: <kc2qma@...>
Topic: 9747 Message: 9751

It was never included with any Orion. But you can buy one from Ten Tec.
I got one for my Orion II recently and I love it!

73/KC2QMA
John Magliano

---In orion565@yahoogroups.com, <orion565@yahoogroups.com> wrote:

Do you know if it was not an option, but included on the very last O2's sold? Thanks...

John

On Fri, Oct 11, 2013 at 11:07 AM, kc2qma@... wrote:

The RX-366 is an add on Super Sub Receiver board that you buy from Ten-Tec. So if you did not install one then just answer NO during the firmware update.

Here is a link to the RX-366: http://www.tentec.com/products/-Orion%7B47%7DOrion-II-High-Performance--ASR-Sub%252dReceiver-Board-Kit.html http://www.tentec.com/products/-Orion%7B47%7DOrion-II-High-Performance--ASR-Sub%252dReceiver-Board-Kit.html http://www.tentec.com/products/-Orion%7B47%7DOrion-II-High-Performance--ASR-Sub%252dReceiver-Board-Kit.html http://www.tentec.com/products/-Orion%7B47%7DOrion-II-High-Performance--ASR-Sub%252dReceiver-Board-Kit.html
73/KC2QMA http://www.tentec.com/products/-Orion%7B47%7DOrion-II-High-Performance--ASR-Sub%252dReceiver-Board-Kit.html
John Magliano http://www.tentec.com/products/-Orion%7B47%7DOrion-II-High-Performance--ASR-Sub%252dReceiver-Board-Kit.html

---In orion565@yahoogroups.com, <orion565@yahoogroups.com> wrote:

How does one determine if their O2 has the RX366 installed? http://www.tentec.com/products/-Orion%7B47%7DOrion-II-High-Performance--ASR-Sub%252dReceiver-Board-Kit.html

http://www.tentec.com/products/-Orion%7B47%7DOrion-II-High-Performance--ASR-Sub%252dReceiver-Board-Kit.html
73 John K7FD http://www.tentec.com/products/-Orion%7B47%7DOrion-II-High-Performance--ASR-Sub%252dReceiver-Board-Kit.html

On Oct 11, 2013, at 9:52 AM, < kc2qma@...> wrote:

STEPS FOR AN EASY SOFTWARE UPDATE

Updating the firmware on your Orion II is easy when you follow these basic steps.

First thing I recommend is to go through all of the menus and write down all of your personal settings because these will be reset to factory default’s during the update procedure. You could also take photos of the various screens.

Now let’s get the latest software for our Orion II from the Ten-Tec Website.
https://www.tentec.com/content/downloads/manuals/566/566-Setup-3.033xd.exe
https://www.tentec.com/content/downloads/manuals/566/566-Setup-3.033xd.exe

Here are the instructions on how to run the update program.
https://www.tentec.com/content/downloads/manuals/566/HowTo.txt
https://www.tentec.com/content/downloads/manuals/566/HowTo.txt

Now let’s do the Master rest & Memory clear. Always do the Ram Clear First!

RAM CLEAR: With Orion II power off press and hold the VFO B LCK button while turning on the Orion II power switch. You will see a message “Master Reset Complete”. Then you will see a message “RX366 Installed?” If you have an RX-366 sub receiver installed press YES if not press No.

MASTER RESET: With Orion II power off Press and hold the MAIN RX/TX button below the TT logo while turning on the Orion II power switch. You will see again the message “Master Reset Complete”.

Then you will see “Clear User Memories” select yes by pressing the AN button.

Now you will see the message “Reset Optional Filters” select Yes by pressing the AN button.

You will again see the message “RX366 Installed” select yes by pressing the AN button.

Once the Orion II boots up completely you should see 14.250 on the frequency display.

To verify that the Orion II ready for use power off the Orion II and then power ON.

OK almost done. Now we need to Re Calibrate the S-Meter and get all of our menu settings back the way we want them.
S-METER CALIBRATION: Here is a link to the calibration procedure.
https://www.tentec.com/content/downloads/manuals/566/S-Meter%20565%20566%20Calibration%20Procedure.pdf https://www.tentec.com/content/downloads/manuals/566/S-Meter%20565%20566%20Calibration%20Procedure.pdf

Now remember when I said to copy all of your menu settings in the beginning now is when we will refer back to them.

Let’s start with enabling the filters by pressing “Menus” then “Filter”. This will vary for each user depending on what filters you have installed in your Orion.

Now go though each of the menus and set everything back to the way they were before the firmware update.

Here are some quick links to the Ten Tec Website:
Transceiver Downloads: (http://www.tentec.com/pages/Transceiver-Downloads.html
http://www.tentec.com/pages/Transceiver-Downloads.html)
Orion II 566 Firmware Ver. 3.033xd:
https://www.tentec.com/content/downloads/manuals/566/566-Setup-3.033xd.exe
https://www.tentec.com/content/downloads/manuals/566/566-Setup-3.033xd.exe
https://www.tentec.com/content/downloads/manuals/566/566-Setup-3.033xd.exe
S-Meter Calibration Procedure: https://www.tentec.com/content/downloads/manuals/566/S-Meter%20565%20566%20Calibration%20Procedure.pdf https://www.tentec.com/content/downloads/manuals/566/S-Meter%20565%20566%20Calibration%20Procedure.pdf

How to Update Radio: https://www.tentec.com/content/downloads/manuals/566/HowTo.txt
https://www.tentec.com/content/downloads/manuals/566/HowTo.txt

73/KC2QMA
John

9752. RE: RE: Re: [orion565] STEPS FOR AN EASY SOFTWARE UPDATE for your Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-11 18:29:34 UTC
From: wolfmanjack@...
Topic: 9747 Message: 9752
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

9754. Voice msg. recording

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-15 14:48:39 UTC
From: <anegadasail@...>
Topic: 9754 Message: 9754

I just got nice ORION II. Have a question.
I have recorded voice and cw messages but when I turn the radio OFF and then ON the CW msg.are retained however VOICE msg. are erased. Is this normal?
Thanks, Mark

9755. Re: [orion565] Voice msg. recording

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-16 05:03:24 UTC
From: N9ETD@...
Topic: 9754 Message: 9755

Hi Mark

Not all the buffers retain the memory when you shut the radio off.. I don't have the manual in front of me, but I think the first 3 save the message and the 4th one loses the info upon turning off the rig.

73, Craig N9ETD

9756. Re: [orion565] Voice msg. recording

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-16 09:05:27 UTC
From: Sam W Jacobs CET
Topic: 9754 Message: 9756

I only have 3 places for voice messages (Send 1, Send 2 and Send 3) and the first two always stay, the 3rd gets lost when I change bands or turn the radio off.

It would be nice if you could use those memory locations to record "off the air" OR your local voice ID, users choice.

73 !

Sam
K3SAM

From: "N9ETD@..." <N9ETD@AOL.COM>
To: orion565@yahoogroups.com
Sent: Wednesday, October 16, 2013 1:03 AM
Subject: Re: [orion565] Voice msg. recording

Hi Mark

Not all the buffers retain the memory when you shut the radio off.. I don't have the manual in front of me, but I think the first 3 save the message and the 4th one loses the info upon turning off the rig.

73, Craig N9ETD

9758. Re: [orion565] Orion II 566V3.033xd released

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-16 12:32:28 UTC
From: Barry N1EU
Topic: 9738 Message: 9758

On Wed, Oct 16, 2013 at 11:55 AM, Jerry Rogers <ki4ps@...> wrote:

> **
>
>
> My question is on the Orion II update, is the AGC affected the same way?
>
>
>
No, AGC works fine after the update. Bear in mind that the Orion II
s-meter response time stays fast even with slow AGC, so don't be fooled by
the s-meter action into thinking the AGC is always fast.

73, Barry N1EU

9759. Re: [orion565] Orion II 566V3.033xd released

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-16 12:55:36 UTC
From: Jerry Rogers
Topic: 9738 Message: 9759

Thanks Barry: I'm aware of the s-meter functioning.

I will do the update today, but is this update intended to respond to QRN/AGC action like John is talking about on the new beta release for the Omni VII?

Jerry, ki4ps

On Oct 16, 2013, at 8:32 AM, Barry N1EU <barry.n1eu@...> wrote:

>
>
>
>
> On Wed, Oct 16, 2013 at 11:55 AM, Jerry Rogers <ki4ps@...> wrote:
>
>
> My question is on the Orion II update, is the AGC affected the same way?
>
>
>
> No, AGC works fine after the update. Bear in mind that the Orion II s-meter response time stays fast even with slow AGC, so don't be fooled by the s-meter action into thinking the AGC is always fast.
>
> 73, Barry N1EU
>
>
>

9760. Re: [orion565] Orion II 566V3.033xd released

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-16 13:17:54 UTC
From: Barry N1EU
Topic: 9738 Message: 9760

On Wed, Oct 16, 2013 at 12:55 PM, Jerry Rogers <ki4ps@...> wrote:

> **
>
> is this update intended to respond to QRN/AGC action like John is
> talking about on the new beta release for the Omni VII?
>
>

John started this thread and explained that this update intends to make the
AGC more immune to impulse noise

73, Barry N1EU

9761. RE: Orion II 566V3.033xd released

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-16 13:36:58 UTC
From: <jhenry@...>
Topic: 9738 Message: 9761

Yes, this is basically the same change as was done in the Orion 565 and the OMNI-VII. So far, inputs from all Orion 565 and Orion II 566 users have been all positive. No negative inputs back yet. It is a value change in one of the algorithms, and I can tune it a bit more if needed. Will know more over time as I get more inputs back from all respective users. Could be that the value in the Orion and Orion II isn't the exact value I need in the OMNI-VII.

The user of the OMNI-VII that reported that to you also reported that when he lowered his RF Gain a bit it all seemed to be like he had heard before. I am in direct contact with him and the change in the OMNI-VII. So far, all other OMNI-VII inputs have been the same as the inputs back from the Orion users, all positive.

This is actually a MASSIVE improvement for the rigs. The effect of the AGC loading on QRN was impacting the NR routines as well. AGC was being applied when it shouldn't be, and that data went into NR, well, garbage in = garbage out. This is even coming from people who didn't think they had QRN until they had this release. Meaning, the QRN they were having was so fast and low in magnitude that they didn't hear it until now that the AGC isn't wiping it away, and now NR is working acceptably for them. They leave their NB off, and all is well.
It is my belief that this single QRN loading error is the reason we have had so many varied results with NR over the years.
When we made NR a bit more aggressive, customer A is now happy, but customer B is no longer happy. Make it a bit less aggressive and customer A is no longer happy, but customer B is now happy.
I believe this was due to those who ran NB all of the time versus those who didn't.
So far, inputs from both camps of NB users and non-NB users are that NR is working much better. Both are now saying we may need to take it back to what it was upon first shipment which was a tad more aggressive than it is now, because they can turn it to 9 now and it may or may not take out some of the noise. But the muddy / hollow effect is now gone and there isn't distortion added now with NR on like there use to be.
Now, the NR gets a clean signal, and works on it. Over time. Remember... OVER TIME, it is not an instantaneous noise eliminator. It takes a second or two to slowly wipe that noise level away.
I still go back to the original philosphy though, use RF Gain and BW to narrow down and knock out stuff you don't want to listen to, first, then a bit of PBT. Then for the Orion 1/2 owners, utilize SAF.
THEN, and only THEN would one want to consider using NB or NR to get rid of that which can't be removed. NB for QRN/ignition (pick HW NB first, then SW), and NR for the constant irritating noise. AN for the heterodynes. Manual Notch to remove specific areas, e.g. low freq crap that you could use NR for, well, use Manual Notch instead.

Anyway, back to work,
Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

---In orion565@yahoogroups.com, <barry.n1eu@...> wrote:

On Wed, Oct 16, 2013 at 12:55 PM, Jerry Rogers <ki4ps@... mailto:ki4ps@...> wrote:
is this update intended to respond to QRN/AGC action like John is talking about on the new beta release for the Omni VII?

John started this thread and explained that this update intends to make the AGC more immune to impulse noise

73, Barry N1EU

9762. Re: [orion565] RE: Orion II 566V3.033xd released

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-16 14:40:13 UTC
From: K7FD
Topic: 9738 Message: 9762

The NR on the Orion II is fantastic at this point; especially on CW. For example, if I run my RF Gain at 84 and NR set at level 1 with no signal present, it sounds like the volume control is turned all the way down! Yet, I tune across the band for signals and there they are without ANY back ground noise. The NR processing sounds cleanest on strong CW signals but enabling SAF and narrowing the BW greatly improves the NR clarity on weaker ones.

Granted, I live in a very quiet QTH to begin with and that can't hurt. So YMMV. Still, the Orion II NR runs circles around the NR on my TS-990S...no comparison, at least on CW.

73 John K7FD

> On Oct 16, 2013, at 6:36 AM, <jhenry@...> wrote:
>
> Yes, this is basically the same change as was done in the Orion 565 and the OMNI-VII.
>
> So far, inputs from all Orion 565 and Orion II 566 users have been all positive. No negative inputs back yet. It is a value change in one of the algorithms, and I can tune it a bit more if needed. Will know more over time as I get more inputs back from all respective users. Could be that the value in the Orion and Orion II isn't the exact value I need in the OMNI-VII.
>
>
>
> The user of the OMNI-VII that reported that to you also reported that when he lowered his RF Gain a bit it all seemed to be like he had heard before. I am in direct contact with him and the change in the OMNI-VII. So far, all other OMNI-VII inputs have been the same as the inputs back from the Orion users, all positive.
>
>
>
> This is actually a MASSIVE improvement for the rigs. The effect of the AGC loading on QRN was impacting the NR routines as well. AGC was being applied when it shouldn't be, and that data went into NR, well, garbage in = garbage out. This is even coming from people who didn't think they had QRN until they had this release. Meaning, the QRN they were having was so fast and low in magnitude that they didn't hear it until now that the AGC isn't wiping it away, and now NR is working acceptably for them. They leave their NB off, and all is well.
>
> It is my belief that this single QRN loading error is the reason we have had so many varied results with NR over the years.
>
> When we made NR a bit more aggressive, customer A is now happy, but customer B is no longer happy. Make it a bit less aggressive and customer A is no longer happy, but customer B is now happy.
>
> I believe this was due to those who ran NB all of the time versus those who didn't.

>
> So far, inputs from both camps of NB users and non-NB users are that NR is working much better. Both are now saying we may need to take it back to what it was upon first shipment which was a tad more aggressive than it is now, because they can turn it to 9 now and it may or may not take out some of the noise. But the muddy / hollow effect is now gone and there isn't distortion added now with NR on like there use to be.
>
> Now, the NR gets a clean signal, and works on it. Over time. Remember... OVER TIME, it is not an instantaneous noise eliminator. It takes a second or two to slowly wipe that noise level away.
>
> I still go back to the original philosphy though, use RF Gain and BW to narrow down and knock out stuff you don't want to listen to, first, then a bit of PBT. Then for the Orion 1/2 owners, utilize SAF.
>
> THEN, and only THEN would one want to consider using NB or NR to get rid of that which can't be removed. NB for QRN/ignition (pick HW NB first, then SW), and NR for the constant irritating noise. AN for the heterodynes. Manual Notch to remove specific areas, e.g. low freq crap that you could use NR for, well, use Manual Notch instead.
>
>
>
> Anyway, back to work,
>
> Thanks, and 73,
>
> John Henry, KI4JPL
>
> TEN-TEC Engineering
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> ---In orion565@yahoogroups.com, <barry.n1eu@...> wrote:
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>
> On Wed, Oct 16, 2013 at 12:55 PM, Jerry Rogers <ki4ps@...> wrote:
>
> is this update intended to respond to QRN/AGC action like John is talking about on the new beta release for the Omni VII?
>
> John started this thread and explained that this update intends to make the AGC more immune to impulse noise
>
> 73, Barry N1EU

>

9763. Orion 1 downloads from Ten tec site

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-16 17:14:11 UTC
From: vk4eu
Topic: 9763 Message: 9763

Firmware version 3.025 and 3.030 when downloaded do not work correctly they do not have enough data in them eg. 1 line and 8 lines respectively. Also firmware versions 3.032 and 3.032x5 have problems with the operation of the DSP when in diversity receive mode, with both receivers using DSP audio volume when using headphones drops to a unacceptable level. Can anyone throw some light on this problem.

Cheers Wayne VK4EU

9764. Strange behavior from Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-16 18:10:53 UTC
From: <psikes@...>
Topic: 9764 Message: 9764

I had a bad scare after being gone for 3 months! Turned on the O II and no audio from the sub receiver, in fact it was reporting that there was not even a sub installed. I did Ram resets and Master Clears until I was blue in the face all to no avail. I called and talked to Paul in service and the only solution was to return it for service. So, my O II went on a vacation to Sevierville (where I had just been!) and went into the queue for repair.

After a lengthy wait I finally got a notice yesterday that they could not duplicate the problem. Not what I wanted to hear after so long in the shop. I am always afraid that glitches like this will recur. Anyway, it should begin its journey home tomorrow and I sure hope it enjoyed this little visit back in the nest. Has anyone else ever had such a thing happen?

73 - Phil N7UX

9765. Re: [orion565] Voice msg. recording

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-16 18:17:05 UTC
From: catfishtwo@...
Topic: 9754 Message: 9765

Get a MFJ 434 voice keyer, with the mfj 73 remote control for it. makes phone contests easy, up to 5 permenant memories, that can be changed at any time.\
tom N6AJR

In a message dated 10/16/2013 2:05:30 A.M. Pacific Daylight Time, Sam@... writes:

I only have 3 places for voice messages (Send 1, Send 2 and Send 3) and the first two always stay, the 3rd gets lost when I change bands or turn the radio off.

It would be nice if you could use those memory locations to record "off the air" OR your local voice ID, users choice.

73 !

Sam
K3SAM

From: "N9ETD@..." <N9ETD@...>
To: orion565@yahoogroups.com
Sent: Wednesday, October 16, 2013 1:03 AM
Subject: Re: [orion565] Voice msg. recording

Hi Mark

Not all the buffers retain the memory when you shut the radio off.. I don't have the manual in front of me, but I think the first 3 save the message and the 4th one loses the info upon turning off the rig.

73, Craig N9ETD

9767. Orion II froze up on me!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-17 05:55:47 UTC
From: K7FD
Topic: 9767 Message: 9767

I just walked back into the shack to find the display frozen and all the controls inoperative! Rig was just idling on receive but apparently something happened while I stepped out of the shack for a moment. Rig is only a year old so I don't think I can blame 'the battery' yet. I did update to the latest firmware a few days ago. Today's the first I really used the rig extensively...the rig had been on most of the day before acting up.

Anyhoo, I powered it off and back on...so far, so good.

73 John K7FD

9768. Re: [orion565] Orion II froze up on me!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-17 08:54:58 UTC
From: Sam W Jacobs CET
Topic: 9767 Message: 9768

That has happened to me, in my case it was after owning the O2 for about 9-12 months. It was the A-9 distribution board that was at fault. It has happened more than once in my O2 life and each time it was the A-9 board.

Also, my 10 year lithium battery needed replaced within the first two years.

I keep my O2 on 24/7 unless there is a power outage that lasts longer than an hour.

73 !

Sam
K3SAM

From: K7FD <wolfmanjack@...>
To: orion565@yahoogroups.com
Sent: Thursday, October 17, 2013 1:55 AM
Subject: [orion565] Orion II froze up on me!

I just walked back into the shack to find the display frozen and all the controls inoperative! Rig was just idling on receive but apparently something happened while I stepped out of the shack for a moment. Rig is only a year old so I don't think I can blame 'the battery' yet. I did update to the latest firmware a few days ago. Today's the first I really used the rig extensively...the rig had been on most of the day before acting up.

Anyhoo, I powered it off and back on...so far, so good.

73 John K7FD

9769. Re: [orion565] Orion II froze up on me!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-17 12:24:54 UTC
From: wolfmanjack@...
Topic: 9767 Message: 9769
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

9770. More on frozen Orion II from K7FD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-17 16:29:26 UTC
From: K7FD
Topic: 9770 Message: 9770

The Orion II froze up again today after being on about an hour. Yesterday, when I turned the radio off and back on, it appeared to be OK.

Today I turned the radio off and back on but now it won't boot past the white TEN-TEC splash screen. Just for grins I reinstalled the 'xd' version firmware successfully...but it still won't boot past the TEN-TEC splash screen display. I attempted a Master Reset but nothing happens when I hold Main Rx/Tx button and turn the radio on. It just displays the initial white TEN-TEC splash screen with no further messages.

I have an email into service@...

John K7FD

9771. Re: [orion565] More on frozen Orion II from K7FD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-17 16:59:20 UTC
From: K Van Horn
Topic: 9770 Message: 9771

Hi John,
While I am not an expert, this sounds like an A9 power supply board problem or a memory backup battery problem(which can cause all sorts of strange symptoms.) Have you replaced the caps on the A9 board yet. See the following link for info:

http://www.n6ie.com/A9_Fix.html

Hope this helps.
73 es Gud DX,
Kirby, K7EC

From: K7FD
Sent: Thursday, 17 October, 2013 10:29
To: orion565@yahoogroups.com
Subject: [orion565] More on frozen Orion II from K7FD

The Orion II froze up again today after being on about an hour. Yesterday, when I turned the radio off and back on, it appeared to be OK.

Today I turned the radio off and back on but now it won't boot past the white TEN-TEC splash screen. Just for grins I reinstalled the 'xd' version firmware successfully...but it still won't boot past the TEN-TEC splash screen display. I attempted a Master Reset but nothing happens when I hold Main Rx/Tx button and turn the radio on. It just displays the initial white TEN-TEC splash screen with no further messages.

I have an email into service@...

John K7FD

9772. Re: [orion565] More on frozen Orion II from K7FD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-17 17:24:34 UTC
From: Barry N1EU
Topic: 9770 Message: 9772

Is the Orion II connected to a PC running software that is interfaced with
the rig? That's where I would look first.

73, Barry N1EU

On Thu, Oct 17, 2013 at 4:29 PM, K7FD <wolfmanjack@...> wrote:

> **
>
>
>
> The Orion II froze up again today after being on about an hour. Yesterday,
> when I turned the radio off and back on, it appeared to be OK.
>
> Today I turned the radio off and back on but now it won't boot past the
> white TEN-TEC splash screen. Just for grins I reinstalled the 'xd' version
> firmware successfully...but it still won't boot past the TEN-TEC splash
> screen display. I attempted a Master Reset but nothing happens when I hold
> Main Rx/Tx button and turn the radio on. It just displays the initial white
> TEN-TEC splash screen with no further messages.
>
> I have an email into service@...
>
> John K7FD
>
>

9773. Re: [orion565] More on frozen Orion II from K7FD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-17 18:51:35 UTC
From: John
Topic: 9770 Message: 9773

Nothing connected to rig. Ten Tec suspects blown caps or a failure on DSP board. They have no replacement boards so will ship off for repair...

John

> On Oct 17, 2013, at 10:24 AM, Barry N1EU <barry.n1eu@...> wrote:
>
> Is the Orion II connected to a PC running software that is interfaced with the rig? That's where I would look first.
>
> 73, Barry N1EU
>
>
>> On Thu, Oct 17, 2013 at 4:29 PM, K7FD <wolfmanjack@...> wrote:
>>
>>
>> The Orion II froze up again today after being on about an hour. Yesterday, when I turned the radio off and back on, it appeared to be OK.
>>
>> Today I turned the radio off and back on but now it won't boot past the white TEN-TEC splash screen. Just for grins I reinstalled the 'xd' version firmware successfully...but it still won't boot past the TEN-TEC splash screen display. I attempted a Master Reset but nothing happens when I hold Main Rx/Tx button and turn the radio on. It just displays the initial white TEN-TEC splash screen with no further messages.
>>
>> I have an email into service@...
>>
>> John K7FD
>>
>
>

9774. Re: [orion565] Orion II froze up on me!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-17 19:15:40 UTC
From: Sam W Jacobs CET
Topic: 9767 Message: 9774

They just shipped me another one. It's easy to replace, see the other posts on this subject for the link on how to replace... a lot easier than me attempting to tell you here (plus I go in for a cancer operation in a few hours, trying to cram a weeks worth of stuff in a few hours).

You can fix it yourself by replacing (3) 470uF 50VDC caps... save you time waiting on T*T.

73 !

Sam
K3SAM

From: "wolfmanjack@..." <wolfmanjack@...>
To: orion565@yahoogroups.com
Sent: Thursday, October 17, 2013 8:24 AM
Subject: Re: [orion565] Orion II froze up on me!

aha...the old A-9 board. OK, I'll keep an eye on it. Did Ten Tec just ship you a new A-9 board? If so, how easy is it to replace?

Thanks Sam...

73 John K7FD

On Thu, Oct 17, 2013 at 1:54 AM, Sam W Jacobs CET wrote:

That has happened to me, in my case it was after owning the O2 for about 9-12 months. It was the A-9 distribution board that was at fault. It has happened more than once in my O2 life and each time it was the A-9 board.

Also, my 10 year lithium battery needed replaced within the first two years.

I keep my O2 on 24/7 unless there is a power outage that lasts longer than an hour.

73 !

Sam
K3SAM

From: K7FD <wolfmanjack@...>
To: orion565@yahoogroups.com
Sent: Thursday, October 17, 2013 1:55 AM
Subject: [orion565] Orion II froze up on me!

I just walked back into the shack to find the display frozen and all the controls inoperative! Rig was just idling on receive but apparently something happened while I

stepped out of the shack for a moment. Rig is only a year old so I don't think I can blame 'the battery' yet. I did update to the latest firmware a few days ago. Today's the first I really used the rig extensively...the rig had been on most of the day before acting up.

Anyhoo, I powered it off and back on...so far, so good.

73 John K7FD

9775. Re: [orion565] More on frozen Orion II from K7FD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-17 19:17:23 UTC
From: Sam W Jacobs CET
Topic: 9770 Message: 9775

That sounds EXACTLY like an A-9 failure !

73 !

Sam
K3SAM

From: K7FD <wolfmanjack@...>
To: orion565@yahoogroups.com
Sent: Thursday, October 17, 2013 12:29 PM
Subject: [orion565] More on frozen Orion II from K7FD

The Orion II froze up again today after being on about an hour. Yesterday, when I turned the radio off and back on, it appeared to be OK.

Today I turned the radio off and back on but now it won't boot past the white TEN-TEC splash screen. Just for grins I reinstalled the 'xd' version firmware successfully...but it still won't boot past the TEN-TEC splash screen display. I attempted a Master Reset but nothing happens when I hold Main Rx/Tx button and turn the radio on. It just displays the initial white TEN-TEC splash screen with no further messages.

I have an email into service@...

John K7FD

9776. Re: [orion565] More on frozen Orion II from K7FD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-17 19:55:29 UTC
From: wolfmanjack@...
Topic: 9770 Message: 9776
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

9777. Re: [orion565] Orion II froze up on me!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-17 19:57:05 UTC
From: wolfmanjack@...
Topic: 9767 Message: 9777
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

9778. Re: [orion565] More on frozen Orion II from K7FD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-17 21:25:04 UTC
From: John
Topic: 9770 Message: 9778

I am on my way back home from Radio Shack with 3 new capacitors and a battery.

John

> On Oct 17, 2013, at 9:59 AM, "K Van Horn" <k7ec@...> wrote:
>
> Hi John,
> While I am not an expert, this sounds like an A9 power supply board problem or a memory backup battery problem(which can cause all sorts of strange symptoms.) Have you replaced the caps on the A9 board yet. See the following link for info:
>
> http://www.n6ie.com/A9_Fix.html
>
> Hope this helps.
> 73 es Gud DX,
> Kirby, K7EC
>
>
>
> From: K7FD
> Sent: Thursday, 17 October, 2013 10:29
> To: orion565@...m
> Subject: [orion565] More on frozen Orion II from K7FD
>
>
>
> The Orion II froze up again today after being on about an hour. Yesterday, when I turned the radio off and back on, it appeared to be OK.
>
> Today I turned the radio off and back on but now it won't boot past the white TEN-TEC splash screen. Just for grins I reinstalled the 'xd' version firmware successfully...but it still won't boot past the TEN-TEC splash screen display. I attempted a Master Reset but nothing happens when I hold Main Rx/Tx button and turn the radio on. It just displays the initial white TEN-TEC splash screen with no further messages.
>
> I have an email into service@tentec.com
>
> John K7FD
>
>

9779. Re: [orion565] More on frozen Orion II from K7FD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-17 21:26:20 UTC
From: John
Topic: 9770 Message: 9779

The three caps on my A9 board look puffy on top, at least compared to the others in there. I will let you know how the repair goes.

John

> On Oct 17, 2013, at 9:59 AM, "K Van Horn" <k7ec@...> wrote:
>
> Hi John,
> While I am not an expert, this sounds like an A9 power supply board problem or a memory backup battery problem(which can cause all sorts of strange symptoms.) Have you replaced the caps on the A9 board yet. See the following link for info:
>
> http://www.n6ie.com/A9_Fix.html
>
> Hope this helps.
> 73 es Gud DX,
> Kirby, K7EC
>
>
>
> From: K7FD
> Sent: Thursday, 17 October, 2013 10:29
> To: orion565@yahoogroups.com
> Subject: [orion565] More on frozen Orion II from K7FD
>
>
>
> The Orion II froze up again today after being on about an hour. Yesterday, when I turned the radio off and back on, it appeared to be OK.
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>
> I have an email into service@...
>
> John K7FD
>
>

9780. Re: [orion565] More on frozen Orion II from K7FD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-17 21:35:26 UTC
From: Peter Frenning [OZ1PIF]
Topic: 9770 Message: 9780

Den 17-10-2013 23:26, John skrev:

The three caps on my A9 board look puffy on top, at least compared to the others in there. ?I will let you know how the repair goes.

John

Sorry John, at best they'll be a temporary fix, you need the best you can get i.e. high temp low ESR types...

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** If at first you don't succeed, try **
** doing it the way your wife told you! **
** **
** -- Unknown **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239/ +45 2332 9464
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

9781. Re: [orion565] More on frozen Orion II from K7FD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-17 21:38:15 UTC
From: Rod Greene
Topic: 9770 Message: 9781

John,
That's a dead give away when the tops are puffy. I replaced mine and the only tough part was getting the solder out of the circuit board holes. Patience and you'll get it.

Rod/w7zrc

>_____
> From: John <wolfmanjack@...>
>To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
>Sent: Thursday, October 17, 2013 3:26 PM
>Subject: Re: [orion565] More on frozen Orion II from K7FD
>
>
>
>
>The three caps on my A9 board look puffy on top, at least compared to the others in there.
 I will let you know how the repair goes.
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>John
>
>On Oct 17, 2013, at 9:59 AM, "K Van Horn" <k7ec@...> wrote:
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>
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>>Hi John,
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symptoms.) Have you replaced the caps on the A9 board yet. See the following
link for info:
>>
>>http://www.n6ie.com/A9_Fix.html
>>
>>Hope this helps.
>>73 es Gud DX,
>>Kirby, K7EC
>>
>>
>>
>>From: K7FD
>>Sent: Thursday, 17 October, 2013 10:29
>>To: orion565@yahoogroups.com
>>Subject: [orion565] More on frozen Orion II from
K7FD
>>
>>

>>
>>The Orion II froze up again today after being on about an hour.
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button and turn the radio on. It just displays the initial white TEN-TEC splash
screen with no further messages.
>>
>>I have an email into service@...
>>
>>John K7FD
>
>
>

9782. Re: [orion565] DOA More on frozen Orion II from K7FD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-17 23:00:49 UTC
From: wolfmanjack@...
Topic: 9782 Message: 9782
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

9787. Take a look at these capacitors - do they look like trouble?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-18 02:09:11 UTC
From: K7FD
Topic: 9787 Message: 9787

I pulled three caps from my Orion II. Please take a look at them at the top of my QRZ.COM page for K7FD and give me your opinion. I thought they looked a little puffy or beginning to puff out a bit compared to the other caps I saw on the underside of my Orion II. The one on the far left definitely is looking a little bloated although none of them are as bad as I've seen in some Dell computers..

What do you think? Are these looking like candidates for replacement?

Thanks,

73 John K7FD

9788. Re: [orion565] Voice msg. recording

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-18 02:58:06 UTC
From: N9ETD@...
Topic: 9754 Message: 9788

Only 3 buffers total, sorry for the confusion..

73, Craig N9ETD

9789. RE: [orion565] Take a look at these capacitors - do they look like trouble?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-18 03:54:50 UTC
From: John Hudson
Topic: 9787 Message: 9789

John here is a link to the caps in my O1 a couple of years ago http://sdrv.ms/1evrggb the middle cap is very noticeable in the swelling and I replaced them and also shown is the physical difference between the original and replacement caps. I THINK I got mine from TT back on 2009. I replaced mine in July of 2009. Pretty easy job as you know now

I can't tell from your picture but this is what mine looked like. I can't remember if mine was a power on issue or what but the only issue I have today is once I power up the rig, it will not shut off with the on/off switch on the rig. I have to turn the PS off. TT thinks it's a relay on the power board, so I just live with it right now

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of K7FD
Sent: Thursday, October 17, 2013 9:09 PM
To: orion565@yahoogroups.com
Subject: [orion565] Take a look at these capacitors - do they look like trouble?

I pulled three caps from my Orion II. Please take a look at them at the top of my QRZ.COM page for K7FD and give me your opinion. I thought they looked a little puffy or beginning to puff out a bit compared to the other caps I saw on the underside of my Orion II. The one on the far left definitely is looking a little bloated although none of them are as bad as I've seen in some Dell computers..

What do you think? Are these looking like candidates for replacement?

Thanks,

73 John K7FD

9790. RE: [orion565] Take a look at these capacitors - do they look like trouble?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-18 04:17:56 UTC
From: wolfmanjack@...
Topic: 9787 Message: 9790
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

9791. Re: [orion565] Take a look at these capacitors - do they look like trouble?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-18 08:26:10 UTC
From: Barry N1EU
Topic: 9787 Message: 9791

On Fri, Oct 18, 2013 at 2:09 AM, K7FD <wolfmanjack@...> wrote:

> **
>
>
> Are these looking like candidates for replacement?
>
>
One vote no from me. If it was me, I would just check them with an ESR meter to confirm they were okay.

73, Barry N1EU

9792. Re: [orion565] Take a look at these capacitors - do they look like trouble?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-18 17:33:52 UTC
From: AB5EU
Topic: 9787 Message: 9792

Barry
Yes the ESR meter approach is valid but I don't believe this is a common test instrument in the average shack.
Given the cost of such a meter I would advocate just buying the caps from Ten-Tec (and keep them in business!)

Along with the power board board caps also pop the front panel and check the caps on the top right hand side - my O-11 has been turned on since 2005 and in 2009 the power board caps did their Chernobyl impression and the CPU board caps were bulging gracefuuly! Along with ESR it is also advisable to get the higher temp caps if possible.

So far in the last 10 years I have fixed big screen tv's, computer monitors and PC main boards of several manufacturers so its not just limited to T-T.
The electrolyte chemicals are expensive and in some cases contain banned substances consequently there's money to be made with counterfeit processes.
73 Trevor AB5EU

On 10/18/2013 3:26 AM, Barry N1EU wrote:

On Fri, Oct 18, 2013 at 2:09 AM, K7FD <wolfmanjack@...> wrote:

Are these looking like candidates for replacement?

One vote no from me. If it was me, I would just check them with an ESR meter to confirm they were okay.

73, Barry N1EU

9793. New Firmware update

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-19 12:33:33 UTC
From: Jerry Rogers
Topic: 9793 Message: 9793

Has anyone noticed more hiss for the same RF gain setting after the update?
For 80 and 40 meters my RF gain is about 50%.

It seems I'm hearing more. Been playing with the prog. AGC hang-time setting to overcome this.
Again, still checking this out.

Jerry
ki4ps

9794. Re: New Firmware update

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-19 15:40:24 UTC
From: pa1ap
Topic: 9793 Message: 9794

Not sure what you mean with hiss.

As John describes the AGC does not activate any more on very short bursts. In other words; if the radio spectrum at your location contains short bursts the previous agc routine would have reduced audio presence a bit more... With the new agc routine those bursts do not activate agc anymore and hence there will be a bit more audio presence depending on agc settings.

I do experience an improved sensitivity for very weak signals. My guess is that I do have short bursts lurking into my radio and previously agc was processing those.

So depending your radio spectrum you might need to adjust the AGC activation level.

My two cents. Hope it helps. Best regards, Onno

--- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@...> wrote:
>
> Has anyone noticed more hiss for the same RF gain setting after the update?
> For 80 and 40 meters my RF gain is about 50%.
>
> It seems I'm hearing more. Been playing with the prog. AGC hang-time setting to overcome this.
> Again, still checking this out.
>
> Jerry
> ki4ps
>

9795. Re: [orion565] New Firmware update

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-19 16:37:09 UTC
From: Jerry Rogers
Topic: 9793 Message: 9795

Onno: It might just be band conditions over the last several days. The radio works fine, and it seems tohear the weak one very well. I guess what I was trying to say was the AGC (slow) seems to be more active now, and not as subtle.

The radio I compare it against is my Eagle.

Living in the country and not having too use the NB can spoil a person. Any noise here comes from the Atmosphere. So I have a tendency to hear faint noise unless the XLY needs me.

Thanks for your input on the upgrade.

Jerry
ki4ps

On Oct 19, 2013, at 11:40 AM, pa1ap <pa1ap@...> wrote:

> Not sure what you mean with hiss.
>
> As John describes the AGC does not activate any more on very short bursts. In other words; if the radio spectrum at your location contains short bursts the previous agc routine would have reduced audio presence a bit more... With the new agc routine those bursts do not activate agc anymore and hence there will be a bit more audio presence depending on agc settings.
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> --- In orion565@yahoogroups.com, Jerry Rogers <ki4ps@...> wrote:
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> > Again, still checking this out.
> >
> > Jerry
> > ki4ps
> >
>
>

9796. Re: [orion565] Orion II froze up on me!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-19 18:46:21 UTC
From: Sam W Jacobs CET
Topic: 9767 Message: 9796

I'm here to tell you that if T*T doesn't have any A-9 boards, then I would HIGHLY ADVISE on purchasing any used Orion, PERIOD.

There is more to fail on those A-9 boards than just capacitors. There as a SMD Chip plus multiple SMD caps / diodes on the reverse, and other parts on the front too.

73 !

Sam
K3SAM

From: "wolfmanjack@..." <wolfmanjack@...>
To: orion565@yahoogroups.com
Sent: Thursday, October 17, 2013 3:57 PM
Subject: Re: [orion565] Orion II froze up on me!

You must have got the last replacement A-9 board available from TT. I was told today they have no more boards available. GL on your operation!

73 John K7FD

On Thu, Oct 17, 2013 at 12:15 PM, Sam W Jacobs CET wrote:

They just shipped me another one. It's easy to replace, see the other posts on this subject for the link on how to replace... a lot easier than me attempting to tell you here (plus I go in for a cancer operation in a few hours, trying to cram a weeks worth of stuff in a few hours).

You can fix it yourself by replacing (3) 470uF 50VDC caps... save you time waiting on T*T.

73 !

Sam
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From: "wolfmanjack@..." <wolfmanjack@...>
To: orion565@yahoogroups.com
Sent: Thursday, October 17, 2013 8:24 AM
Subject: Re: [orion565] Orion II froze up on me!

aha...the old A-9 board. OK, I'll keep an eye on it. Did Ten Tec just ship you a new A-9 board? If so, how easy is it to replace?

Thanks Sam...

73 John K7FD

On Thu, Oct 17, 2013 at 1:54 AM, Sam W Jacobs CET wrote:

That has happened to me, in my case it was after owning the O2 for about 9-12 months. It was the A-9 distribution board that was at fault. It has happened more than once in my O2 life and each time it was the A-9 board.

Also, my 10 year lithium battery needed replaced within the first two years.

I keep my O2 on 24/7 unless there is a power outage that lasts longer than an hour.

73 !

Sam
K3SAM

From: K7FD <wolfmanjack@charter.net>
To: orion565@yahoogroups.com
Sent: Thursday, October 17, 2013 1:55 AM
Subject: [orion565] Orion II froze up on me!

I just walked back into the shack to find the display frozen and all the controls inoperative! Rig was just idling on receive but apparently something happened while I stepped out of the shack for a moment. Rig is only a year old so I don't think I can blame 'the battery' yet. I did update to the latest firmware a few days ago. Today's the first I really used the rig extensively...the rig had been on most of the day before acting up.

Anyhoo, I powered it off and back on...so far, so good.

73 John K7FD

9797. RE: Re: [orion565] New Firmware update

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-19 18:51:30 UTC
From: <kb3ml@...>
Topic: 9793 Message: 9797

I also installed the new firmware.
I notice the S meter deflects more.
Tough to see a good peak, needs more dampening now.

---In orion565@yahoogroups.com, <orion565@yahoogroups.com> wrote:

Onno: It might just be band conditions over the last several days. The radio works fine, and it seems tohear the weak one very well. I guess what I was trying to say was the AGC (slow) seems to be more active now, and not as subtle.

The radio I compare it against is my Eagle.

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> Jerry
> ki4ps
>

9798. Re: [orion565] Orion II froze up on me!

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-19 19:20:15 UTC
From: Sam W Jacobs CET
Topic: 9767 Message: 9798

BTW, I couldn't understand your last post and had to reread it. It was an error on my part. I haven't had an A-9 shipment from T*T in a few months. What I meant to say was that when my A-9 board(s) would go bad... they just shipped me another one.

The way I wrote it, it just said "They just shipped me another one.", in error.

Like I said, my mind was centered around my cancer operation and it wasn't in the cards. I have to undergo chemo and radiation.

73 !

Sam
K3SAM

From: "wolfmanjack@..." <wolfmanjack@...>
To: orion565@yahoogroups.com
Sent: Thursday, October 17, 2013 3:57 PM
Subject: Re: [orion565] Orion II froze up on me!

You must have got the last replacement A-9 board available from TT. I was told today they have no more boards available. GL on your operation!

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To: orion565@yahoogroups.com
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I keep my O2 on 24/7 unless there is a power outage that lasts longer than an hour.

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Sent: Thursday, October 17, 2013 1:55 AM
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Anyhoo, I powered it off and back on...so far, so good.

73 John K7FD

9799. Re: [orion565] More on frozen Orion II from K7FD

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-19 20:10:45 UTC
From: Sam W Jacobs CET
Topic: 9770 Message: 9799

Capacitors 101: If they look puffy, replace them. Leaky !

My guess is that if you had an ESR meter it would go through the roof.

73 !

Sam
K3SAM

From: John <wolfmanjack@...>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Sent: Thursday, October 17, 2013 5:26 PM
Subject: Re: [orion565] More on frozen Orion II from K7FD

The three caps on my A9 board look puffy on top, at least compared to the others in there.
 I will let you know how the repair goes.

John

On Oct 17, 2013, at 9:59 AM, "K Van Horn" <k7ec@...> wrote:

>Hi John,
>While I am not an expert, this sounds like an A9 power supply board problem
or a memory backup battery problem(which can cause all sorts of strange
symptoms.) Have you replaced the caps on the A9 board yet. See the following
link for info:
>
>http://www.n6ie.com/A9_Fix.html
>
>Hope this helps.
>73 es Gud DX,
>Kirby, K7EC
>
>
>
>From: K7FD
>Sent: Thursday, 17 October, 2013 10:29
>To: orion565@yahoogroups.com
>Subject: [orion565] More on frozen Orion II from
K7FD
>
>
>
>The Orion II froze up again today after being on about an hour.
Yesterday, when I turned the radio off and back on, it appeared to be
OK.

>
>Today I turned the radio off and back on but now it won't boot past
the white TEN-TEC splash screen. Just for grins I reinstalled the 'xd' version
firmware successfully...but it still won't boot past the TEN-TEC splash screen
display. I attempted a Master Reset but nothing happens when I hold Main Rx/Tx
button and turn the radio on. It just displays the initial white TEN-TEC splash
screen with no further messages.
>
>I have an email into service@...
>
>John K7FD

9802. Re: [orion565] Take a look at these capacitors - do they look like trouble?

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-19 20:27:22 UTC
From: Sam W Jacobs CET
Topic: 9787 Message: 9802

Sounds like a bad switch. Have you tested it ?

73 !

Sam
K3SAM

From: John Hudson <jd_hudson@comcast.net>
To: orion565@yahoogroups.com
Sent: Thursday, October 17, 2013 11:54 PM
Subject: RE: [orion565] Take a look at these capacitors - do they look like trouble?

John here is a link to the caps in my O1 a couple of years ago http://sdrv.ms/1evrggb the middle cap is very
noticeable in the swelling and I replaced them and also shown is the
physical difference between the original and replacement caps. I THINK I got
mine from TT back on 2009. I replaced mine in July of 2009. Pretty easy job as
you know now

I can’t tell from your picture but this is what mine
looked like. I can’t remember if mine was a power on issue or what but
the only issue I have today is once I power up the rig, it will not shut off
with the on/off switch on the rig. I have to turn the PS off. TT thinks it’s
a relay on the power board, so I just live with it right now

From:orion565@yahoogroups.com [mailto:orion565@...m] On Behalf Of K7FD
Sent: Thursday, October 17, 2013 9:09 PM
To: orion565@yahoogroups.com
Subject: [orion565] Take a look at these capacitors - do they look like
trouble?

I pulled three caps from my Orion II. Please take a look at them at the top
of my QRZ.COM page for K7FD and give me your opinion. I thought they looked a
little puffy or beginning to puff out a bit compared to the other caps I saw on
the underside of my Orion II. The one on the far left definitely is looking a
little bloated although none of them are as bad as I've seen in some Dell
computers..

What do you think? Are these looking like candidates for replacement?

Thanks,

73 John K7FD

9803. Re: [orion565] New Firmware update

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-20 03:46:21 UTC
From: Sam W Jacobs CET
Topic: 9793 Message: 9803

Jerry, I'm still waiting on John to address the "popping and clicking" incidents.
I think I'll stay on 3.033xa unless they come out with some new screen colors or internet connections, or built-in W2IHY audio EQ, or... SOMETHING BIG !

73 !

Sam
K3SAM

From: Jerry Rogers <ki4ps@...>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Sent: Saturday, October 19, 2013 8:33 AM
Subject: [orion565] New Firmware update

Has anyone noticed more hiss for the same RF gain setting after the update?
For 80 and 40 meters my RF gain is about 50%.

It seems I'm hearing more. Been playing with the prog. AGC hang-time setting to overcome this.
Again, still checking this out.

Jerry
ki4ps

9804. Orion II with Elecraft P3

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-20 04:16:37 UTC
From: Tony Sokol
Topic: 9804 Message: 9804

Hi Gang,

There has been some conversation regarding mating the P3 up to the Orion II. I decided to give it a try and am really glad I did. Because the P3 can work with any IF up to around 27Mhz with a simple choice in the setup menu mating it up was a breeze. I actually think that having the large screen on the P3 is much better than trying to cram the display into the limited viewing area being shared with everything else on the Orion's display. If you want a really big display you can get the VGA adapter and go for it! The purpose of my post is to share a short video demonstrating how the display looks in operation. Go here for the video: http://youtu.be/eBUBPBxmZKg . You can also go to my QRZ page (W9JXN) and scroll down to the bottom to see a couple of pictures and the video there. There is also a link to VE7TK's site to get the technical details. I love using this setup especially when the band is quiet or up on the higher bands where everyone is really spread out and may be on the weak side.
Now if someone can come up with an interface to put the frequency data and other functions from the Orion to work with the P3 we'd have it all. Maybe even a simple mixer/buffer to deal with the Omni VII's 70Mhz IF might make an interesting challenge for some astute sole. (Not me!)

73
Tony - W9JXN

9805. Help Orion acting dead weird

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-20 08:11:16 UTC
From: m0siy@btinternet.com
Topic: 9805 Message: 9805

Good day my friends and many thanks to the moderater for allowing me to join..
I have a major problem with my Orion.
Here is the run down any suggestions are happily appreciated.

The radio is acting like its squelched up cutting rx while doing this the s-meter jumps up and down when rx cuts meter dispays s5 to s9 needle goes crazy.

Also when I try to use internal atu when tuning the main vfo srarts going down the vand also when keying mic it acts in the same dashion also no audio.

This only starts after about an hour which leads me to assumption that something is get warm or faulty when warm.

My email is m0siy@... if you wish to correspond outside of this page.

Any ideas guys only had radio a week and no I wil not be taking it back it is a thing of beauty and will be repaired. Despite problems I gave found an excellent radio.

Thanks in advance and best 73
Simon m0siy

9806. Help Orion acting dead weird

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-20 08:16:11 UTC
From: m0siy@btinternet.com
Topic: 9805 Message: 9806

Good day my friends and many thanks to the moderater for allowing me to join..
I have a major problem with my Orion.
Here is the run down any suggestions are happily appreciated.

The radio is acting like its squelched up cutting rx while doing this the s-meter jumps up and down when rx cuts meter dispays s5 to s9 needle goes crazy.

Also when I try to use internal atu when tuning the main vfo srarts going down the vand also when keying mic it acts in the same dashion also no audio.

This only starts after about an hour which leads me to assumption that something is get warm or faulty when warm.

My email is m0siy@... if you wish to correspond outside of this page.

Any ideas guys only had radio a week and no I wil not be taking it back it is a thing of beauty and will be repaired. Despite problems I gave found an excellent radio.

Thanks in advance and best 73
Simon m0siy

9807. Re: Help Orion acting dead weird

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-20 09:26:53 UTC
From: pa1ap
Topic: 9805 Message: 9807

This sounds like a faulty A9 board. Replace the caps with higher temp, low esr types and you would exclude that from the equation.

Best regards Onno

--- In orion565@yahoogroups.com, "m0siy@..." <m0siy@...> wrote:
>
> Good day my friends and many thanks to the moderater for allowing me to join..
> I have a major problem with my Orion.
> Here is the run down any suggestions are happily appreciated.
>
> The radio is acting like its squelched up cutting rx while doing this the s-meter jumps up and down when rx cuts meter dispays s5 to s9 needle goes crazy.
>
> Also when I try to use internal atu when tuning the main vfo srarts going down the vand also when keying mic it acts in the same dashion also no audio.
>
> This only starts after about an hour which leads me to assumption that something is get warm or faulty when warm.
>
> My email is m0siy@... if you wish to correspond outside of this page.
>
> Any ideas guys only had radio a week and no I wil not be taking it back it is a thing of beauty and will be repaired. Despite problems I gave found an excellent radio.
>
> Thanks in advance and best 73
> Simon m0siy
>

9808. FOR SALE ORION I 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-21 16:16:00 UTC
From: Chris Pinholster
Topic: 9808 Message: 9808

Orion I for sale $1,575.00 plus shipping from 33786
Comes with DC pwr cable. Remote tuning pod available for an additional $75. No mic.

I am the second owner, the previous owner installed a printed circuit board that he explained had something to do with adding an SDR receiver to it. I never did anything in regards to that and the 565 works flawlessly. Paypal, cashiers check or check that clears before shipping. Located in the Tampabay area.

CHRIS PINHOLSTER
k4win@...

9809. Orion main tuning encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-24 14:54:19 UTC
From: Barry N1EU
Topic: 9809 Message: 9809

Does anyone know the specs of the main VFO tuning encoder in the Orion or can recommend a source for a replacement?

Thanks & 73,
Barry N1EU

9810. Re: [orion565] Orion main tuning encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-24 18:05:56 UTC
From: catfishtwo@...
Topic: 9809 Message: 9810

could you pick up a used remote encoder and either use it instead or use its parts to fix the other?? not sure it will work but hey, its an idea.

tom N6AJR

In a message dated 10/24/2013 7:54:22 A.M. Pacific Daylight Time, barry.n1eu@... writes:

Does anyone know the specs of the main VFO tuning encoder in the Orion or can recommend a source for a replacement?

Thanks & 73,
Barry N1EU

9811. Re: [orion565] Orion main tuning encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-24 18:18:38 UTC
From: Barry N1EU
Topic: 9809 Message: 9811

I've got one Tom. I think I'll take it apart and try to get a part number off the encoder.

73, Barry N1EU

On Thu, Oct 24, 2013 at 6:05 PM, <catfishtwo@...> wrote:

> **
>
>
> **
> could you pick up a used remote encoder and either use it instead or use
> its parts to fix the other?? not sure it will work but hey, its an idea.
>
> tom N6AJR
>
>
> In a message dated 10/24/2013 7:54:22 A.M. Pacific Daylight Time,
> barry.n1eu@... writes:
>
>
>
> Does anyone know the specs of the main VFO tuning encoder in the Orion
> or can recommend a source for a replacement?
>
> Thanks & 73,
> Barry N1EU
>
>
>

9812. RE: [orion565] Orion main tuning encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-24 18:23:26 UTC
From: John Hudson
Topic: 9809 Message: 9812

Barry a few years ago I homebrewed a external encoder for my Omni VI and looked at several encoders and ended up buying one from TT. The others would have worked I'm sure but the pulse per rotation was off by just a bit. I have the schematic of the one TT sent me.. The part number is EC202c128A..don't know who makes it but half the specs are in Japanese and the other half is English

As soon as I can get my scanner to work I'll scan you a copy if you want

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of catfishtwo@...
Sent: Thursday, October 24, 2013 1:06 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion main tuning encoder

could you pick up a used remote encoder and either use it instead or use its parts to fix the other?? not sure it will work but hey, its an idea.

tom N6AJR

In a message dated 10/24/2013 7:54:22 A.M. Pacific Daylight Time, barry.n1eu@... writes:

Does anyone know the specs of the main VFO tuning encoder in the Orion or can recommend a source for a replacement?

Thanks & 73,
Barry N1EU

9813. RE: [orion565] Orion main tuning encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-24 18:24:47 UTC
From: John Hudson
Topic: 9809 Message: 9813

As a matter of fact I just googled the part number and her is the spec sheet

http://www.iwatsu.co.jp/product/compo/switch/pdf/EC202C128.pdf

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Thursday, October 24, 2013 1:19 PM
To: Orion565
Subject: Re: [orion565] Orion main tuning encoder

I've got one Tom. I think I'll take it apart and try to get a part number off the encoder.

73, Barry N1EU

On Thu, Oct 24, 2013 at 6:05 PM, <catfishtwo@aol.com> wrote:

could you pick up a used remote encoder and either use it instead or use its parts to fix the other?? not sure it will work but hey, its an idea.

tom N6AJR

In a message dated 10/24/2013 7:54:22 A.M. Pacific Daylight Time, barry.n1eu@... writes:

Does anyone know the specs of the main VFO tuning encoder in the Orion or can recommend a source for a replacement?

Thanks & 73,
Barry N1EU

9814. Re: [orion565] Orion main tuning encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-24 18:30:02 UTC
From: Barry N1EU
Topic: 9809 Message: 9814

Thanks John, but I need the encoder for the Orion and it's probably
different.

73, Barry N1EU

On Thu, Oct 24, 2013 at 6:23 PM, John Hudson <jd_hudson@...> wrote:

> **
>
>
> Barry a few years ago I homebrewed a external encoder for my Omni VI and
> looked at several encoders and ended up buying one from TT. The others
> would have worked I’m sure but the pulse per rotation was off by just a
> bit. I have the schematic of the one TT sent me.. The part number is
> EC202c128A..don’t know who makes it but half the specs are in Japanese and
> the other half is English****
>
> ** **
>
> As soon as I can get my scanner to work I’ll scan you a copy if you want**
> **
>
> ** **
>
> John****
>
> KO4XJ****
>
> ** **
>
> ** **
>
> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] *On
> Behalf Of *catfishtwo@...
> *Sent:* Thursday, October 24, 2013 1:06 PM
> *To:* orion565@yahoogroups.com
> *Subject:* Re: [orion565] Orion main tuning encoder****
>
> ** **
>
> ****
>
> could you pick up a used remote encoder and either use it instead or use
> its parts to fix the other?? not sure it will work but hey, its an idea.*
> ***
>

> ****
>
> tom N6AJR****
>
> ****
>
> ****
>
> In a message dated 10/24/2013 7:54:22 A.M. Pacific Daylight Time,
> barry.n1eu@... writes:****
>
>
>
>
> ****
>
> Does anyone know the specs of the main VFO tuning encoder in the Orion or
> can recommend a source for a replacement?****
>
> Thanks & 73,
> Barry N1EU****
>
> ****
>
>
>

9815. RE: [orion565] Orion main tuning encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-24 18:33:34 UTC
From: John Hudson
Topic: 9809 Message: 9815

Barry I think this is the same one they use for the Model 302 encoder… It was a few years ago but I'm sure that's what they told me

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Thursday, October 24, 2013 1:30 PM
To: Orion565
Subject: Re: [orion565] Orion main tuning encoder

Thanks John, but I need the encoder for the Orion and it's probably different.

73, Barry N1EU

On Thu, Oct 24, 2013 at 6:23 PM, John Hudson <jd_hudson@comcast.net> wrote:

Barry a few years ago I homebrewed a external encoder for my Omni VI and looked at several encoders and ended up buying one from TT. The others would have worked I'm sure but the pulse per rotation was off by just a bit. I have the schematic of the one TT sent me.. The part number is EC202c128A..don't know who makes it but half the specs are in Japanese and the other half is English

As soon as I can get my scanner to work I'll scan you a copy if you want

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of catfishtwo@...
Sent: Thursday, October 24, 2013 1:06 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion main tuning encoder

could you pick up a used remote encoder and either use it instead or use its parts to fix the other?? not sure it will work but hey, its an idea.

tom N6AJR

In a message dated 10/24/2013 7:54:22 A.M. Pacific Daylight Time, barry.n1eu@... writes:

Does anyone know the specs of the main VFO tuning encoder in the Orion or can recommend a source for a replacement?

Thanks & 73,
Barry N1EU

9816. RE: Orion main tuning encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-24 19:18:06 UTC
From: <jhenry@...>
Topic: 9809 Message: 9816

Hi Barry,

Actually, not an easy answer.
Always a glitch.

The original Orion started shipping with an Electro Switch 94Q125-02-00606.
They changed the process, got some with real bad results, and then searched for a replacement.
Contacted CUI, and they created one for us, and we ended up eventually with CUI Model EC202C128-2TD-23.75 REV D.

Now, they aren't the same. Different pin out.
The Electro Switch is a "rounded body".
The CUI is a square body.

When you open your rig, you should be able to tell which it is then.
Problem is, there is a different cable for them since they have different pin outs.

Best bet is to check with Paul, and see if he has a replacement, and if he only has one and you have the other, he may be able to send you an encoder and the appropriate cable.

There may be a bit more history with this than I am reporting, only reporting what I'm told.

Sorry, but sometimes things just change.

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

---In orion565@yahoogroups.com, <barry.n1eu@...> wrote:

Does anyone know the specs of the main VFO tuning encoder in the Orion or can recommend a source for a replacement?

Thanks & 73,
Barry N1EU

9817. RE: [orion565] RE: Orion main tuning encoder

Yahoo group: orion565 (2009 — 2013)
Date: 2013-10-24 19:59:58 UTC
From: John Hudson
Topic: 9809 Message: 9817

There you go Barry.. forget everything I said before J

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of jhenry@...
Sent: Thursday, October 24, 2013 2:18 PM
To: orion565@yahoogroups.com
Subject: [orion565] RE: Orion main tuning encoder

Hi Barry,

Actually, not an easy answer.

Always a glitch.

The original Orion started shipping with an Electro Switch 94Q125-02-00606.

They changed the process, got some with real bad results, and then searched for a replacement.

Contacted CUI, and they created one for us, and we ended up eventually with CUI Model EC202C128-2TD-23.75 REV D.

Now, they aren't the same. Different pin out.

The Electro Switch is a "rounded body".

The CUI is a square body.

When you open your rig, you should be able to tell which it is then.

Problem is, there is a different cable for them since they have different pin outs.

Best bet is to check with Paul, and see if he has a replacement, and if he only has one and you have the other, he may be able to send you an encoder and the appropriate cable.

There may be a bit more history with this than I am reporting, only reporting what I'm told.

Sorry, but sometimes things just change.

Thanks, and 73,

John Henry, KI4JPL

TEN-TEC Engineering

---In orion565@yahoogroups.com, <barry.n1eu@...> wrote:

Does anyone know the specs of the main VFO tuning encoder in the Orion or can recommend a source for a replacement?

Thanks & 73,
Barry N1EU

9819. spontaneous rebooting of Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-11-30 00:18:14 UTC
From: <objectiveuser@...>
Topic: 9819 Message: 9819

One of my Orions has recently developed a problem. After being powered on for a variable length of time (hours), the receive audio starts to have 'artifacts'; then, later, on initiating transmit (either CW or SSB), there is a very very loud 'crack' in the headphones and the radio turns itself off. A few seconds later, it reboots by itself, no human intervention. I called Ten-Tec service, was advised to do a RAM clear and Master reset. Things work ok for a while, but then a day or so later, the problem recurs, most recently while calling VU7AG.

I'm running 1.372, which I've had in it since I got the radio new from Ten-Tec. I like the noise reduction on AM listening.

Terry N4TZ

9820. RE: spontaneous rebooting of Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-11-30 00:26:24 UTC
From: <objectiveuser@...>
Topic: 9819 Message: 9820

BTW, the call to Ten-Tec service asking about the power distribution board got the answer that the board wasn't the problem, it was 'firmware.'
The caps on the board look ok physically (no bulging) and I was told there are no replacement boards available for purchase.

Terry N4TZ

---In orion565@yahoogroups.com, <objectiveuser@...> wrote:

One of my Orions has recently developed a problem. After being powered on for a variable length of time (hours), the receive audio starts to have 'artifacts'; then, later, on initiating transmit (either CW or SSB), there is a very very loud 'crack' in the headphones and the radio turns itself off. A few seconds later, it reboots by itself, no human intervention. I called Ten-Tec service, was advised to do a RAM clear and Master reset. Things work ok for a while, but then a day or so later, the problem recurs, most recently while calling VU7AG.

I'm running 1.372, which I've had in it since I got the radio new from Ten-Tec. I like the noise reduction on AM listening.

Terry N4TZ

9821. RE: [orion565] RE: spontaneous rebooting of Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-11-30 00:51:32 UTC
From: Bill Sepulveda
Topic: 9819 Message: 9821

Terry,

When was the last time you changed the battery?

If you have not changed the battery, it sounds like the time to do it.

Good luck,
Bill, K5LN

-----Original Message-----
From: objectiveuser@...
Sent: 11/29/2013 6:26 PM
To: orion565@yahoogroups.com
Subject: [orion565] RE: spontaneous rebooting of Orion 565

BTW, the call to Ten-Tec service asking about the power distribution board got the answer that the board wasn't the problem, it was 'firmware.'
The caps on the board look ok physically (no bulging) and I was told there are no replacement boards available for purchase.

Terry N4TZ

---In orion565@yahoogroups.com, <objectiveuser@...> wrote:

One of my Orions has recently developed a problem. After being powered on for a variable length of time (hours), the receive audio starts to have 'artifacts'; then, later, on initiating transmit (either CW or SSB), there is a very very loud 'crack' in the headphones and the radio turns itself off. A few seconds later, it reboots by itself, no human intervention. I called Ten-Tec service, was advised to do a RAM clear and Master reset. Things work ok for a while, but then a day or so later, the problem recurs, most recently while calling VU7AG.

I'm running 1.372, which I've had in it since I got the radio new from Ten-Tec. I like the noise reduction on AM listening.

Terry N4TZ

[The entire original message is not included.]

9822. Re: [orion565] spontaneous rebooting of Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-11-30 01:47:58 UTC
From: K7FD
Topic: 9819 Message: 9822

FYI, Ten Tec Service is short a technician. I sent my Orion II in almost a month ago...and still waiting. If you need to send it in, they are running a bit behind in shop repairs.

73 John K7FD

> On Nov 29, 2013, at 4:18 PM, <objectiveuser@...> wrote:
>
> One of my Orions has recently developed a problem. After being powered on for a variable length of time (hours), the receive audio starts to have 'artifacts'; then, later, on initiating transmit (either CW or SSB), there is a very very loud 'crack' in the headphones and the radio turns itself off. A few seconds later, it reboots by itself, no human intervention. I called Ten-Tec service, was advised to do a RAM clear and Master reset. Things work ok for a while, but then a day or so later, the problem recurs, most recently while calling VU7AG.
>
>
>
> I'm running 1.372, which I've had in it since I got the radio new from Ten-Tec. I like the noise reduction on AM listening.
>
>
>
> Terry N4TZ
>
>

9823. RE: RE: [orion565] RE: spontaneous rebooting of Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-11-30 02:16:11 UTC
From: <objectiveuser@...>
Topic: 9819 Message: 9823

I changed the battery a couple of years ago - the one in there with the problem reads 2.9volts on my DVM - I put a new one in - will see what happens over the next day or two.

Terry N4tZ

---In orion565@yahoogroups.com, <k5ln@...> wrote:

Terry,

When was the last time you changed the battery?

If you have not changed the battery, it sounds like the time to do it.

Good luck,
Bill, K5LN

From: objectiveuser@...
Sent: 11/29/2013 6:26 PM
To: orion565@yahoogroups.com
Subject: [orion565] RE: spontaneous rebooting of Orion 565

BTW, the call to Ten-Tec service asking about the power distribution board got the answer that the board wasn't the problem, it was 'firmware.'
The caps on the board look ok physically (no bulging) and I was told there are no replacement boards available for purchase.

Terry N4TZ

---In orion565@yahoogroups.com, <objectiveuser@...> wrote:

One of my Orions has recently developed a problem. After being powered on for a variable length of time (hours), the receive audio starts to have 'artifacts'; then, later, on initiating transmit (either CW or SSB), there is a very very loud 'crack' in the headphones and the radio turns itself off. A few seconds later, it reboots by itself, no human intervention. I called Ten-Tec service, was advised to do a RAM clear and Master reset. Things work ok for a while, but then a day or so later, the problem recurs, most recently while calling VU7AG.

I'm running 1.372, which I've had in it since I got the radio new from Ten-Tec. I like the noise reduction on AM listening.

Terry N4TZ

[The entire original message is not included.]

9824. RE: RE: [orion565] RE: spontaneous rebooting of Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-11-30 02:47:13 UTC
From: John Hudson
Topic: 9819 Message: 9824

Terry sounds like the power supply plug in the back of the radio. If you pull the plug and look in the connector you will probably see where it’s been arcing, darkened or blackened pins. The female part of the pins starts to spread apart and when you transmit more juice is required and the arcing starts..causing the voltage to be off and causing the reboots..

My favorite story is when I called TT 3-4 years ago about mine, the said “WE HAVE NEVER HEARD OF THIS HAPPENING BEFORE” “WE HAVE BEEN USING THE SAME CONNECTORS FOR 20+ YEARS” ..well long story short, many people had/has called about this and you got a $4k radio with a $.20 piece of plastic. I hard wired a power cord straight to the board..no more issue with that

Good luck

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of objectiveuser@...
Sent: Friday, November 29, 2013 8:16 PM
To: orion565@yahoogroups.com
Subject: RE: RE: [orion565] RE: spontaneous rebooting of Orion 565

I changed the battery a couple of years ago - the one in there with the problem reads 2.9volts on my DVM - I put a new one in - will see what happens over the next day or two.

Terry N4tZ

---In orion565@yahoogroups.com, <k5ln@...> wrote:

Terry,

When was the last time you changed the battery?

If you have not changed the battery, it sounds like the time to do it.

Good luck,
Bill, K5LN

From: objectiveuser@...
Sent: 11/29/2013 6:26 PM
To: orion565@yahoogroups.com
Subject: [orion565] RE: spontaneous rebooting of Orion 565

BTW, the call to Ten-Tec service asking about the power distribution board got the answer that the board wasn't the problem, it was 'firmware.'

The caps on the board look ok physically (no bulging) and I was told there are no replacement boards available for purchase.

Terry N4TZ

---In orion565@yahoogroups.com, <objectiveuser@...> wrote:

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Terry N4TZ

[The entire original message is not included.]

9825. RE: spontaneous rebooting of Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-11-30 07:25:22 UTC
From: <k7txo@...>
Topic: 9819 Message: 9825

I highly recommend you do the following. One of these might solve your issue. If not, they will prevent you from having issues that will pop up. The radio is no spring chicken anymore but it is still a great radio.

1. As others have noted, dump the rear panel DC power connector. Hardwire a pigtail, ideally fused in both positive and negative wires. I did this when my radio started having issues with conductivity through the molex-type pins. My opinion is these pins are barely adequate when they are in good condition for the service load required by this radio. You can also mount a different connector on the radio such as others have done with the Power Pole type. While I use these connectors, I did not feel these were the best long term solution either when "hard" mounted on the panel. I brought 12 gauge wires out through a grommet and put Power Pole connecters on the end of the fused wires.

2. While the radio is opened up, remove the front panel, replace the battery and clean the connector contact-pins. If you do not, that is almost a guarantee you will have intermittent issues with the front panel.

3. If your LCD display is aging, replace it. T-T has a nice replacement kit. I decided I wanted an upgrade rather than a replacement so with some (much) discussion over the Internet with the excellent help of Onno/PA1AP, I tossed the original display and wired in another one that was similar to the blue and white from T-T, except for two major differences: (1) LED backlight instead of TFT and (2) ended the dependancy on the Power Distribution board with a voltage regulator on board the LCD display. Early in the project, I did not recognize that I was not going to need the Pwr Dist board so I also rebuilt it with new high quality capacitors. If I, or some future owner of my Orion 565 wants to re-install the original LCD or a replacement from T-T, my rig is still plug and play for used or new LCD's from or used by T-T. I do recommend the T-T kit; most people with descent mechanical skills can install it easily. My solution could easily render the radio non-operative unless your skill levels of mechanical and small circuit soldering & desoldering, and your eyesight are up to the challenge.

While I was inside my radio doing all of the above, I also built and installed a buffer amplifier I got from CLIFTON LABORATORIES to bring a 9 Mhz tap out the rear panel Spare connector. While this seems like a lot of work to do in one shot while I had the rig opened up, everything worked perfectly the first time I powered up the rig. Actually I did not get around to testing the buffer amp for a few months since I had not acquired an SDR receiver to try it out yet. And then like an idiot, all I had to do for a quick test was to phono jack the Spare connector into the Receive Antenna jack, punch that up on the Sub RX that I dialed into 9 Mhz and bingo, the main receiver from the IF tap was feeding a signal into the Sub Rx.

Still the same great radio with a few improvements that T-T probably would have done if the Orion II had just some minor hardware updates. If I had an onscreen local and GMT clock displays on the LCD and at least one USB port connector on the chassis, I would be really happy. I can't do the clock but I can add a USB port. I will not re-open the radio just for that but if I ever do have a need to get inside again, that and probably an 8 pin mic

connector will be put in.

Will any of the above fix your issue? I cannot say for sure but I think there is a good chance your issue is related to, or being helped by some tired power connector pins. My advise is not to bother to clean and tweak them except as a quick fix. You could use new pins and housings to keep this factory and yes it should get you by for some additional years if the rear chassis fuse socket is also ok.

Gene / K7TXO

9826. Re: spontaneous rebooting of Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-11-30 11:57:57 UTC
From: pa1ap
Topic: 9819 Message: 9826

Indeed poor connector conductivity for the dc powerline is a slow killer. One way to verify is to decrease the voltage to around 12.5 Volt (measured at orion plug). Than transmit with the rig and confirm the screen does not wash out.

If it does you might want to cleanup / modify your power connector. Very quick fix is to connect/ disconnect couple of times and hope the friction would clean enough surface.

Best regards, Onno

--- In orion565@yahoogroups.com, <k7txo@...> wrote:
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> I highly recommend you do the following. One of these might solve your issue. If not, they will prevent you from having issues that will pop up. The radio is no spring chicken anymore but it is still a great radio.
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> Still the same great radio with a few improvements that T-T probably would have done if the Orion II had just some minor hardware updates. If I had an onscreen local and GMT clock displays on the LCD and at least one USB port connector on the chassis, I would be really happy. I can't do the clock but I can add a USB port. I will not re-open the radio just for that but if I ever do have a need to get inside again, that and probably an 8 pin mic connector will be put in.
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> Will any of the above fix your issue? I cannot say for sure but I think there is a good chance your issue is related to, or being helped by some tired power connector pins. My advise is not to bother to clean and tweak them except as a quick fix. You could use new pins and housings to keep this factory and yes it should get you by for some additional years if the rear chassis fuse socket is also ok.
>
>
> Gene / K7TXO
>

9827. RE: spontaneous rebooting of Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-11-30 17:08:20 UTC
From: <wa6iaf@...>
Topic: 9819 Message: 9827

Terry,
My 565 had precisely the same trouble as you describe it

~~snip~~

"the receive audio starts to have 'artifacts'; then, later, on initiating transmit (either CW or SSB), there is a very very loud 'crack' in the headphones and the radio turns itself off. A few seconds later, it reboots by itself, no human intervention.
~~snip~~

It was the DC power connector, both jack and plug on back of rig. One side was oxidised looking to the eye. I could see discoloration of plastic on one side of the plug/jack too. I messed with it and failed to repair.

The contact area looked pretty skimpy to me so I soldered in a pig tail with nice old heavy duty male military connector of some sort from my junk box on the end. A matching female went on the end of power cord to mate with it. No more trouble with this issue here.
73
Paul

---In orion565@yahoogroups.com, <objectiveuser@...> wrote:

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I'm running 1.372, which I've had in it since I got the radio new from Ten-Tec. I like the noise reduction on AM listening.

Terry N4TZ

9828. Re: [orion565] spontaneous rebooting of Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-11-30 17:10:48 UTC
From: catfishtwo@...
Topic: 9819 Message: 9828

It may be a power supply problem of some sort. I have and original Orion bought used about 8 years ago. when I have a bad swr on an antenna, and the radio draws too much current, the 25 amp breaker goes. if you have a tentec power supply , the circuit breaker is in the PS, other wise in an aftermarket breaker you should add to the power supply. any how a long slight current overdraw will eventually cause an overheating problem with the radio, like if you are working into a 2:1 sw for a long time. good luck.

In a message dated 11/29/2013 4:18:16 P.M. Pacific Standard Time, objectiveuser@... writes:

One of my Orions has recently developed a problem. After being powered on for a variable length of time (hours), the receive audio starts to have 'artifacts'; then, later, on initiating transmit (either CW or SSB), there is a very very loud 'crack' in the headphones and the radio turns itself off. A few seconds later, it reboots by itself, no human intervention. I called Ten-Tec service, was advised to do a RAM clear and Master reset. Things work ok for a while, but then a day or so later, the problem recurs, most recently while calling VU7AG.

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Terry N4TZ

9829. RE: Re: spontaneous rebooting of Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-11-30 22:36:08 UTC
From: <objectiveuser@...>
Topic: 9819 Message: 9829

This summer, I had a similar problem, and I checked the power connector on the rig - spread the pin on the rig and it seemed good for a few months.
I forgot about that.

I changed the battery yesterday. Still had the problem. Today I replaced the connector on the cable which showed some discoloration on the plastic. Did a ram clear and master reset - three times! The rig did not
work at all - that is, no signals heard on any band on either receiver, and
no RF out the antenna terminal, altho the meter in the rig claimed there was RF and the SWR HIGH warning came on the LCD.

Gave up in disgust. Came back about six hours later - turned on the rig and things seem to be working again.

I had the same problem after the ram clear/ master reset sequence when I called TenTec earlier this week. Wonder what causes that?

Terry N4TZ

---In orion565@yahoogroups.com, <pa1ap@...> wrote:

Indeed poor connector conductivity for the dc powerline is a slow killer. One way to verify is to decrease the voltage to around 12.5 Volt (measured at orion plug). Than transmit with the rig and confirm the screen does not wash out.

If it does you might want to cleanup / modify your power connector. Very quick fix is to connect/ disconnect couple of times and hope the friction would clean enough surface.

Best regards, Onno

--- In orion565@yahoogroups.com mailto:orion565@yahoogroups.com, <k7txo@...> wrote:
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> 2. While the radio is opened up, remove the front panel, replace the battery and clean

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>
>
> Gene / K7TXO
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9830. RE: [orion565] RE: Re: spontaneous rebooting of Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-11-30 23:08:44 UTC
From: John Hudson
Topic: 9819 Message: 9830

Terry, also check the connector on the rig. I replaced it.. kind of a pain but BE CAREFUL.. lots of those little white jumper cables. You have to lay the whole back end over a little to get to the connector and I put it all back and looked good until I transmitted..NO OUTPUT.. come to find out, I pulled the little white cable going in to the PA circuit.. NO POWER OUT..took it all back apart, plug the cable in and been fine since

Good luck

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of objectiveuser@...
Sent: Saturday, November 30, 2013 4:36 PM
To: orion565@yahoogroups.com
Subject: [orion565] RE: Re: spontaneous rebooting of Orion 565

This summer, I had a similar problem, and I checked the power connector on the rig - spread the pin on the rig and it seemed good for a few months.

I forgot about that.

I changed the battery yesterday. Still had the problem. Today I replaced the connector on the cable which showed some discoloration on the plastic. Did a ram clear and master reset - three times! The rig did not

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Terry N4TZ

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> Gene / K7TXO
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9831. antenna selection matrix

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-01 01:43:34 UTC
From: <objectiveuser@...>
Topic: 9831 Message: 9831

I have noticed that when I turn on the Orion (that has been rebooting) and get 'dead' receivers and high SWR that there is also an apparently related problem.
When the receivers are working, as they are this moment, I get the same amount of signal (and s-meter reading) regardless of which antenna connector I have selected - ANT1, ANT2, or RX ANT. There is no physical antenna on ANT2.

Seems that the antenna selection matrix is having problems. I guess, as Paul of TenTec would say, "everything is driven by the firmware", but it sure makes it hard to troubleshoot things!

Terry N4TZ

9832. Re: antenna selection matrix

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-01 08:47:27 UTC
From: pa1ap
Topic: 9831 Message: 9832

It sounds like seasonal issues. Moving from summer to winter often introduces big temperature differences as well increased humidity. Anything mechanical will suffer over time due to those changes. Out of interest what is the environment at your location?

Firmware can be fixed and if you are not using the latest version I would strongly recommend to upgrade. Sticking to old software makes very little sense as many things are significantly improved in new firmware. So if firmware is to blame, upgrading is a much better option than master reset repetitively using old firmware.

Hope you find the root cause!

Regards, Onno

?p
--- In orion5it65groups.com, <objectiveuser@...> wrote:
>
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>
> Terry N4TZ
>

9833. RE: Re: antenna selection matrix

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-01 17:21:10 UTC
From: <objectiveuser@...>
Topic: 9831 Message: 9833

The shack is unheated when not in use - so maybe slightly above freezing in the wintertime, quite warm in summertime.

Terry

---In orion565@yahoogroups.com, <pa1ap@...> wrote:

It sounds like seasonal issues. Moving from summer to winter often introduces big temperature differences as well increased humidity. Anything mechanical will suffer over time due to those changes. Out of interest what is the environment at your location?

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> Terry N4TZ
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9834. Re: spontaneous rebooting of Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-02 04:40:40 UTC
From: Wojciech Tomczyk
Topic: 9819 Message: 9834

Hello,

I do recall a very neat modification of Orion's 12V original power supply socket.
The original socket was replaced with a pair of Anderson 30A poles neatly attached to the radio, not as a pigtail.
Unfortunately, I do not recall who published it.
This mod was published about 2-3 years ago by (I think) a Spanish ham.
If someone can locate this mod, please provide the link.

Tom, VK2OE

9835. Re: [orion565] Re: spontaneous rebooting of Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-02 05:16:10 UTC
From: Mike, K9UW
Topic: 9819 Message: 9835

Not sure if this is the one you were thinking of, Tom?

http://tentecwiki.org/doku.php?id=orion_molex_to_power_pole_mod

73, de Mike, K9UW
Amherst, WI

On 12/1/2013 10:40 PM, Wojciech Tomczyk wrote:
> Hello,
>
> I do recall a very neat modification of Orion's 12V original power
> supply socket.
> The original socket was replaced with a pair of Anderson 30A poles
> neatly attached to the radio, not as a pigtail.
> Unfortunately, I do not recall who published it.
> This mod was published about 2-3 years ago by (I think) a Spanish ham.
> If someone can locate this mod, please provide the link.
>
> Tom, VK2OE
>
>

9836. Re: [orion565] Re: spontaneous rebooting of Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-02 15:27:43 UTC
From: Rolf Krogstad
Topic: 9819 Message: 9836

I recently had a problem with spontaneous reboots of my Orion 565.

Turned out that the power connector is soldered to a board - because of the design there is no mechanical support for the connect. The traces had broken and were not making solid contact.
The other symptom was that when transmitting I could see the display screen dimming.

Mounting a new connector solved the problem.

73
Rolf NR0T

On Sun, Dec 1, 2013 at 10:40 PM, Wojciech Tomczyk <sp7wt@...> wrote:

>
>
> Hello,
>
> I do recall a very neat modification of Orion's 12V original power supply
> socket.
> The original socket was replaced with a pair of Anderson 30A poles neatly
> attached to the radio, not as a pigtail.
> Unfortunately, I do not recall who published it.
> This mod was published about 2-3 years ago by (I think) a Spanish ham.
> If someone can locate this mod, please provide the link.
>
> Tom, VK2OE
>
>
>

9837. RE: Re: spontaneous rebooting of Orion 565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-02 15:50:50 UTC
From: <k7txo@...>
Topic: 9819 Message: 9837

I think the chassis mounted approach is a good idea. TEN-TEC provides this solution on the Eagle. The pigtail has advantages I think, especially on a larger and heavier radio.

The Anderson connector bodies are made of hard plastic. The original molex-style used by TEN-TEC are made of a softer plastic. The latter has some advantage for side-loading when a cable is unintentionally jerked. An Anderson connector easily comes unplugged but they may also crack with half of the connector bodies hard-mounted. Granted these reasons are a bit of a reach but with a larger and heavier rig like the Orion on a desktop, the chances of damage or disconnect are higher with all of the cables trailing behind the equipment. The other aspect I considered was simply making the connect or disconnect easy on the desktop. The pigtail could be pulled up into view if I wanted to disconnect power quickly; say for approaching lightning storm. I can also reach the pair of fuses I have in the pigtail pair of wires. Depending on your desktop situation, that might be a little harder to do with a rear panel mounted connector.

If I were manufacturing an Orion III, I think the best cost approach would be Andersons and fuse holder(s) mounted on a PCB . When the PCB is bolted up to the rear panel, the Andersons would simply poke through the rear panel and would benefit from the panel providing mechanical support. This would also make shipping a rig easier to package than a pigtail equipped rig. While this is still harder to reach on the desktop than a pigtail, it makes more sense from the manufacturing point of view.

Splitting hairs I suppose. Either method chosen for the existing rigs will provide an immediate improvement over the original connectors that T-T chose for the Orion if yours are already experiencing issues.

Gene / K7TXO

---In orion565@yahoogroups.com, <sp7wt@...> wrote:

Hello,

I do recall a very neat modification of Orion's 12V original power supply socket.
The original socket was replaced with a pair of Anderson 30A poles neatly attached to the radio, not as a pigtail.
Unfortunately, I do not recall who published it.
This mod was published about 2-3 years ago by (I think) a Spanish ham.
If someone can locate this mod, please provide the link.

Tom, VK2OE

9838. meter adjustment fer O 1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-05 15:45:19 UTC
From: <rayhig@...>
Topic: 9838 Message: 9838

Can anyone tell me how to adjust meter to read 100 watts when putting out 100 watts on trans & S 9 when receiving a 50 uv . Tnx

9839. Re: [orion565] meter adjustment fer O 1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-05 16:09:40 UTC
From: Barry N1EU
Topic: 9838 Message: 9839

Here's my two cents on the s-meter calibration. I'm not 100% sure, but here's my take:

1. Do the simple front panel meter alignment described here: http://www.tentecwiki.org/lib/exe/fetch.php?media=s-meter_565.pdf

2. Apply a 50uV signal to the antenna jack and confirm s9 meter reading. If it's off, adjust the s-meter hardware pot for s9. I'm not exactly sure, but I believe the pot is accessible with the top cover removed through a hole in the top of the front panel near the s-meter. Perhaps someone can confirm this or post a pic of how to access the pot.

(no idea on the power meter calibration)

73, Barry N1EU

On Thu, Dec 5, 2013 at 3:45 PM, <rayhig@gmail.com> wrote:

>
>
> Can anyone tell me how to adjust meter to read 100 watts when putting out
> 100 watts on trans & S 9 when receiving a 50 uv . Tnx
>
>

9840. Re: [orion565] meter adjustment fer O 1

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-05 17:56:07 UTC
From: <rayhig@...>
Topic: 9838 Message: 9840

Tnx fer info -- my situation is that both Power & S are off -- I've just received my O1 back from TT & neither are correct .

I know & hve used the S meter adj from TT -- it doesn't help fer this application .

I think it's the PWR pot & the S meter pot .

9841. Transmit not stopping when PTT is released

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-05 22:43:49 UTC
From: Rod Greene
Topic: 9841 Message: 9841

I just installed a new to me microKeyer II. Trying to follow the setup instructions in the manual, I connected a mono cable (RCA plugs) between Amp Key 1 on the O2 and PTT IN on the mK2. When the O2 is keyed (via footswitch or VOX) the O2 stays in transmit when the foot switch is released. Only way to get the O2 out of transmit is to turn its power switch off.

Is this controlled by a setting I may have missed? I've read through the manual until I'm blue in the face ... As long as I don't connect this cable between Amp Key 1 and PTT IN everything seems to work okay.

Also - running the rig into a dummy load to eliminate RFI in the shack doesn't make any difference.

For now I'll just not connect this cable. Not sure I need it, but haven't yet tried the mK2 with N1MM or any other software.

9842. The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-13 18:11:24 UTC
From: <wolfmanjack@...>
Topic: 9842 Message: 9842

Ten Tec service relayed the bad news to me yesterday; failed logic board, a $600+ repair bill including parts and labor. Ouch. My Orion II was purchased new March of 2012, so a bit of a shock. Nonetheless, that's the bad news.

The good news is I worked out a very reasonable trade with Ten Tec on a new Eagle 599AT, NB, and 300hz CW filter...and no out of pocket cost. I won't have the Orion II but I pick up a brand new rig that I have been very anxious to play with. And along with my Kenwood TS-990S, I should be set!

Thanks to all that helped me to try to fix the Orion II. But it wasn't the battery and it wasn't bad caps on the power supply board.

73 John K7FD

9843. Re: [orion565] The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-13 18:43:48 UTC
From: Rod Greene
Topic: 9842 Message: 9843

John,

Any explanation from the factory as to why the logic board went south?

73, Rod w7zrc

From: "wolfmanjack@charter.net" <wolfmanjack@...>
To: orion565@yahoogroups.com
Sent: Friday, December 13, 2013 11:11 AM
Subject: [orion565] The final verdict on my DOA Orion II

Ten Tec service relayed the bad news to me yesterday; failed logic board, a $600+ repair bill including parts and labor. Ouch. My Orion II was purchased new March of 2012, so a bit of a shock. Nonetheless, that's the bad news.

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Thanks to all that helped me to try to fix the Orion II. But it wasn't the battery and it wasn't bad caps on the power supply board.

73 John K7FD

9844. Re: [orion565] The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-13 19:13:27 UTC
From: John
Topic: 9842 Message: 9844

No, but I didn't ask since I ended up talking with sales, hi. Nonetheless, that would be helpful to know and I will send this along to Paul at Ten Tec service...

Will let you know what I find out...

John

> On Dec 13, 2013, at 10:43 AM, Rod Greene <w7zrc@...> wrote:
>
> John,
>
> Any explanation from the factory as to why the logic board went south?
>
> 73, Rod w7zrc
>
>
> From: "wolfmanjack@..." <wolfmanjack@...>
> To: orion565@yahoogroups.com
> Sent: Friday, December 13, 2013 11:11 AM
> Subject: [orion565] The final verdict on my DOA Orion II
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>
> Thanks to all that helped me to try to fix the Orion II. But it wasn't the battery and it wasn't bad caps on the power supply board.
>
> 73 John K7FD
>
>
>

9845. Re: [orion565] The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-13 22:06:54 UTC
From: wolfmanjack@...
Topic: 9842 Message: 9845
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

9846. Re: [orion565] The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-13 22:30:21 UTC
From: Rod Greene
Topic: 9842 Message: 9846

John,

Thanks for the information. Sounds like they don't have any idea what happened to it. Would be good to know in case it's something that can be prevented. But it sounds like you have done everything you could to make the installation safe and sound. I had problems with the capacitors on the A9 (?) board and replacing them fixed my problems. I think you said that you had already tried that - obviously without any success.

Hard to swallow that much in repair cost especially at this time of the year. But you found a solution with the Eagle. I have not heard any bad things about it - all good in fact. Plus you have the new TS-990 which should be an excellent rig. I always loved my TS-950SDX. But I think the Orion II has a better receiver than it did.

Anyway, thanks again for trying to find out the details and relaying the information along.

73 and Happy Holidays!

Rod/w7zrc

From: "wolfmanjack@..." <wolfmanjack@...>
To: orion565@yahoogroups.com
Sent: Friday, December 13, 2013 3:06 PM
Subject: Re: [orion565] The final verdict on my DOA Orion II

The word from Ten Tec service regarding logic board failure:

"We have no way of knowing, something external to the Orion. We warranty products for a year against defective materials and workmanship. If the Orion was not assembled properly or had a bad part it would have failed long before now."

So, no definitive answer. FYI, my Orion II was connected to my antenna via an Ameritron RCS-4 remote switch. So are my other rigs and they haven't exhibited any problems. Other than that, the Orion II was connected to my Astron 35 amp PS. So who knows...

The AC power mains are pretty stable here and I don't remember anything strange but we do get the occasional power outage without warning. I have the Astron powered through a a Monster Power HDP 1800 PowerCenter...

...and everything grounded to the hilt with good ventilation all around the rig.

Initially, the Orion II 'froze' once, then twice. The first time the display was frozen as were all controls. One reboot, and it came back to life. Then, a day later while on receive, it froze up again. I rebooted like the day before but the radio would not go past the Ten Tec Logo splash screen. Front panel buttons were unresponsive so could not perform any Master or RAM reset. FWIW, I was successfully using the last available firmware about a week before I began having trouble.

73 John K7FD

On Fri, Dec 13, 2013 at 10:43 AM, Rod Greene wrote:

John,

Any explanation from the factory as to why the logic board went south?

73, Rod w7zrc

From: "wolfmanjack@..." <wolfmanjack@...>
To: orion565@yahoogroups.com
Sent: Friday, December 13, 2013 11:11 AM
Subject: [orion565] The final verdict on my DOA Orion II

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The good news is I worked out a very reasonable trade with Ten Tec on a new Eagle 599AT, NB, and 300hz CW filter...and no out of pocket cost. I won't have the Orion II but I pick up a brand new rig that I have been very anxious to play with. And along with my Kenwood TS-990S, I should be set!

Thanks to all that helped me to try to fix the Orion II. But it wasn't the battery and it wasn't bad caps on the power supply board.

73 John K7FD

9847. Re: [orion565] The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-13 22:43:16 UTC
From: K7FD
Topic: 9842 Message: 9847

Yes, I replaced both the battery behind the front panel and replaced caps on the A9 board with Ten Tec supplied parts with no luck.

BTW, the TS-990S is awesome, especially on CW. I have mine configured with three controls that virtually eliminate the noise floor. By utilizing NR noise reduction, RX EQ receive equalization, and the BEF Band Elimination Filter I hear nothing but the signals themselves in my Bose AE2 headphones.

But that's for another yahoo group, hi.

73 John K7FD

> On Dec 13, 2013, at 2:30 PM, Rod Greene <w7zrc@...> wrote:
>
> John,
>
> Thanks for the information. Sounds like they don't have any idea what happened to it. Would be good to know in case it's something that can be prevented. But it sounds like you have done everything you could to make the installation safe and sound. I had problems with the capacitors on the A9 (?) board and replacing them fixed my problems. I think you said that you had already tried that - obviously without any success.
>
> Hard to swallow that much in repair cost especially at this time of the year. But you found a solution with the Eagle. I have not heard any bad things about it - all good in fact. Plus you have the new TS-990 which should be an excellent rig. I always loved my TS-950SDX. But I think the Orion II has a better receiver than it did.
>
> Anyway, thanks again for trying to find out the details and relaying the information along.
>
> 73 and Happy Holidays!
>
> Rod/w7zrc
>
>
>
> From: "wolfmanjack@..." <wolfmanjack@...>
> To: orion565@yahoogroups.com
> Sent: Friday, December 13, 2013 3:06 PM
> Subject: Re: [orion565] The final verdict on my DOA Orion II
>
>
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> "We have no way of knowing, something external to the Orion. We warranty products for a year against defective materials and workmanship. If the Orion was not assembled properly

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> So, no definitive answer. FYI, my Orion II was connected to my antenna via an Ameritron RCS-4 remote switch. So are my other rigs and they haven't exhibited any problems. Other than that, the Orion II was connected to my Astron 35 amp PS. So who knows...
>
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>
> ...and everything grounded to the hilt with good ventilation all around the rig.
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> Initially, the Orion II 'froze' once, then twice. The first time the display was frozen as were all controls. One reboot, and it came back to life. Then, a day later while on receive, it froze up again. I rebooted like the day before but the radio would not go past the Ten Tec Logo splash screen. Front panel buttons were unresponsive so could not perform any Master or RAM reset. FWIW, I was successfully using the last available firmware about a week before I began having trouble.
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> To: orion565@yahoogroups.com
> Sent: Friday, December 13, 2013 11:11 AM
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> Thanks to all that helped me to try to fix the Orion II. But it wasn't the battery and it wasn't bad caps on the power supply board.
>
> 73 John K7FD
>
>
>
>
>
>

9848. Re: [orion565] Digest Number 2244

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-14 12:47:07 UTC
From: pa1ap
Topic: 9848 Message: 9848

I am sorry to hear this. Do you still have the orion2? I have an idea that the clock chip has a bad connection. I had this with mine after replacing the backup battery. The chip beneath the battery did not make solid connection and after replacing the battery I got similar issues as you describe. It might be worth checking if that still possible.

Regards,onno

orion565@yahoogroups.com wrote:

>
>Ten-Tec Orion 565/566 Group
>6 New Messages
>Digest #2244
>1a
>The final verdict on my DOA Orion II by k7fd
>1b
>Re: The final verdict on my DOA Orion II by "Rod Greene" w7zrc
>1c
>Re: The final verdict on my DOA Orion II by "John" k7fd
>1d
>Re: The final verdict on my DOA Orion II by k7fd
>1e
>Re: The final verdict on my DOA Orion II by "Rod Greene" w7zrc
>1f
>Re: The final verdict on my DOA Orion II by "K7FD" k7fd
>Messages
>1a
>The final verdict on my DOA Orion II
>Fri Dec 13, 2013 10:11 am (PST) . Posted by:
>k7fd
>Ten Tec service relayed the bad news to me yesterday; failed logic board, a $600+ repair bill including parts and labor. Ouch. My Orion II was purchased new March of 2012, so a bit of a shock. Nonetheless, that's the bad news.
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>Thanks to all that helped me to try to fix the Orion II. But it wasn't the battery and it wasn't bad caps on the power supply board.
>73 John K7FD
>Reply to sender . Reply to group . Reply via Web Post . All Messages (6) . Top ^
>1b
>Re: The final verdict on my DOA Orion II
>Fri Dec 13, 2013 10:43 am (PST) . Posted by:
>"Rod Greene" w7zrc
>John,

>Any explanation from the factory as to why the logic board went south?
>73, Rod w7zrc
>_____
>From: "wolfmanjack@charter.net" <wolfmanjack@charter.net>
>To: orion565@yahoogroups.com
>Sent: Friday, December 13, 2013 11:11 AM
>Subject: [orion565] The final verdict on my DOA Orion II
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>Re: The final verdict on my DOA Orion II
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>Will let you know what I find out...
>John
>> On Dec 13, 2013, at 10:43 AM, Rod Greene <w7zrc@yahoo.com> wrote:
>>
>> John,
>>
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>> 73, Rod w7zrc
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>> To: orion565@yahoogroups.com
>> Sent: Friday, December 13, 2013 11:11 AM
>> Subject: [orion565] The final verdict on my DOA Orion II
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>Reply to sender . Reply to group . Reply via Web Post . All Messages (6) . Top ^
>1d
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>k7fd
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>Initially, the Orion II 'froze' once, then twice. The first time the
>display was frozen as were all controls. One reboot, and it came back to
>life. Then, a day later while on receive, it froze up again. I rebooted
>like the day before but the radio would not go past the Ten Tec Logo
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>To: orion565@yahoogroups.com
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>Subject: [orion565] The final verdict on my DOA Orion II
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>the battery and it wasn't bad caps on the power supply board.
>73 John K7FD
><javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>
>Reply to sender . Reply to group . Reply via Web Post . All Messages (6) . Top ^
>1e
>Re: The final verdict on my DOA Orion II
>Fri Dec 13, 2013 2:30 pm (PST) . Posted by:
>"Rod Greene" w7zrc
>John,
>Thanks for the information. Sounds like they don't have any idea what happened to it. Would be good to know in case it's something that can be prevented. But it sounds like you have done everything you could to make the installation safe and sound. I had problems with the capacitors on the A9 (?) board and replacing them fixed my problems. I think you said that you had already tried that - obviously without any success.
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>73 John K7FD
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> John,
>Any explanation from the factory as to why the logic board went south?
>73, Rod w7zrc
>_____
>From: "wolfmanjack@charter.net" <wolfmanjack@charter.net>
>To: orion565@yahoogroups.com
>Sent: Friday, December 13, 2013 11:11 AM
>Subject: [orion565] The final verdict on my DOA Orion II
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>Reply to sender . Reply to group . Reply via Web Post . All Messages (6) . Top ^
>1f
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>> Anyway, thanks again for trying to find out the details and relaying the information along.
>>
>> 73 and Happy Holidays!
>>
>> Rod/w7zrc
>>
>>
>>
>> From: "wolfmanjack@charter.net" <wolfmanjack@charter.net>
>> To: orion565@yahoogroups.com
>> Sent: Friday, December 13, 2013 3:06 PM
>> Subject: Re: [orion565] The final verdict on my DOA Orion II
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>Visit Your Group
>>
>View All Topics
>>
>Create New Topic
>>
>We are making changes based on your feedback, Thank you !
>Submit Feedback
>>
>The Yahoo! Groups Product Blog
>Check it out!
>>
>GROUP FOOTER MESSAGE
>
>
>CHANGE SETTINGS
>>
>TERMS OF USE
>>

>UNSUBSCRIBE
>>

9849. Re: [orion565] Digest Number 2244

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-14 13:12:04 UTC
From: K7FD
Topic: 9848 Message: 9849

The Orion II is no longer mine, it is at Ten Tec for repair and presumably resale.
I traded it for a Ten Tec Eagle.

73 John K7FD

> On Dec 14, 2013, at 4:47 AM, pa1ap <pa1ap@...> wrote:
>
> I am sorry to hear this. Do you still have the orion2? I have an idea that the clock chip has a bad connection. I had this with mine after replacing the backup battery. The chip beneath the battery did not make solid connection and after replacing the battery I got similar issues as you describe. It might be worth checking if that still possible.
>
> Regards,onno
>
> orion565@yahoogroups.com wrote:
>
>
> Ten-Tec Orion 565/566 Group
> 6 New Messages
>
> Digest #2244
> 1a
> The final verdict on my DOA Orion II by k7fd
> 1b
> Re: The final verdict on my DOA Orion II by "Rod Greene" w7zrc
> 1c
> Re: The final verdict on my DOA Orion II by "John" k7fd
> 1d
> Re: The final verdict on my DOA Orion II by k7fd
> 1e
> Re: The final verdict on my DOA Orion II by "Rod Greene" w7zrc
> 1f
> Re: The final verdict on my DOA Orion II by "K7FD" k7fd
> Messages
>
> 1a
>
> The final verdict on my DOA Orion II
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>
> k7fd
>
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> 1c
>
> Re: The final verdict on my DOA Orion II

>
> Fri Dec 13, 2013 11:13 am (PST) . Posted by:
>
> "John" k7fd
>
> No, but I didn't ask since I ended up talking with sales, hi. Nonetheless, that would be helpful to know and I will send this along to Paul at Ten Tec service...
>
> Will let you know what I find out...
>
> John
>
> > On Dec 13, 2013, at 10:43 AM, Rod Greene <w7zrc@...> wrote:
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> >
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> 1d
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> Re: The final verdict on my DOA Orion II
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> Fri Dec 13, 2013 2:06 pm (PST) . Posted by:
>

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> <javascript:parent.wgMail.openComposeWindow('ygroupsnotifications@yahoogroups.com')>
> Reply to sender . Reply to group . Reply via Web Post . All Messages (6) . Top ^
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> Re: The final verdict on my DOA Orion II
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> Create New Topic
> >
> We are making changes based on your feedback, Thank you !
> Submit Feedback
> >
> The Yahoo! Groups Product Blog
> Check it out!
> >
> GROUP FOOTER MESSAGE
>
>
> CHANGE SETTINGS
> >
> TERMS OF USE
> >
> UNSUBSCRIBE
> >
>

9850. Re: The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-14 15:10:12 UTC
From: Paul A. Ramey
Topic: 9842 Message: 9850

Hello to all,
About 2 months ago I also had a failure of the logic board in my Orion I. I sent it to TT and Paul called me to give me the bad news. We talked about the failure. He said that it was not a common failure but one that does happen.
I was using my radio and turned it off. I came back about 2 hours later and had a broken radio!!!!

So what is a Orion I worth broken? about $0.00. The Orion II was out of production..... So with a new logic board, cap upgrade/replacement on the A9 board and shipping I was into it for about $950.00.
I told Paul to fix it. He called me back to make sure that is what I wanted to do THANKS PAUL!!

I now know that this radio will be in my shack for a long time. It works like a new radio now. The money I spent is still less that a new radio.

Paul, WG0G

9851. Re: [orion565] Re: The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-14 15:36:18 UTC
From: K7FD
Topic: 9842 Message: 9851

I understand your predictament...same with me, between a rock and a hard place. I have no beef with Ten Tec service, but my concern with sinking more money into my Orion II, I would hate to see another repair bill crop up in another year or two on a problem no one seems to know why it happens. And now the Orion II is out of production. So I decided to cut my losses and shift gears to the new Eagle in light of Ten Tec's very reasonable trade-in allowance on my Orion II. This solution worked for me; I sure enjoyed my Orion II but looking forward to the new rig as well.

73 John K7FD

> On Dec 14, 2013, at 7:10 AM, "Paul A. Ramey" <wg0g@...> wrote:
>
> Hello to all,
> About 2 months ago I also had a failure of the logic board in my Orion
> I. I sent it to TT and Paul called me to give me the bad news. We
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>

9852. Re: [orion565] Re: The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-14 16:00:59 UTC
From: Barry N1EU
Topic: 9842 Message: 9852

I appreciate the decisions both of you guys made. No doubt that Ten-Tec
will repair the Orion II and sell it themselves. I guess it boils down to
how motivated you are to keep that particular radio in the shack.

73, Barry N1EU

On Sat, Dec 14, 2013 at 3:36 PM, K7FD <wolfmanjack@...> wrote:

>
>
> I understand your predictament...same with me, between a rock and a hard
> place. I have no beef with Ten Tec service, but my concern with sinking
> more money into my Orion II, I would hate to see another repair bill crop
> up in another year or two on a problem no one seems to know why it happens.
> And now the Orion II is out of production. So I decided to cut my losses
> and shift gears to the new Eagle in light of Ten Tec's very reasonable
> trade-in allowance on my Orion II. This solution worked for me; I sure
> enjoyed my Orion II but looking forward to the new rig as well.
>
> 73 John K7FD
>
> On Dec 14, 2013, at 7:10 AM, "Paul A. Ramey" <wg0g@arrl.net> wrote:
>
>
>
>
> Hello to all,
> About 2 months ago I also had a failure of the logic board in my Orion
> I. I sent it to TT and Paul called me to give me the bad news. We
> talked about the failure. He said that it was not a common failure but
> one that does happen.
> I was using my radio and turned it off. I came back about 2 hours later
> and had a broken radio!!!!
>
> So what is a Orion I worth broken? about $0.00. The Orion II was out
> of production..... So with a new logic board, cap
> upgrade/replacement on the A9 board and shipping I was into it for about
> $950.00.
> I told Paul to fix it. He called me back to make sure that is what I
> wanted to do THANKS PAUL!!
>
> I now know that this radio will be in my shack for a long time. It
> works like a new radio now. The money I spent is still less that a new
> radio.
>
> Paul, WG0G
>

>
>

9853. Re: [orion565] Re: The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-14 17:05:18 UTC
From: <nizac712590@...>
Topic: 9842 Message: 9853

The logic board failure is a common problem in spite of what Ten Tec says

9854. Re: [orion565] Re: The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-14 17:21:15 UTC
From: John
Topic: 9842 Message: 9854

I always appreciate seeing a call associated with comments; not required but appreciated...

John K7FD

> On Dec 14, 2013, at 9:05 AM, <nizac712590@yahoo.com> wrote:
>
> The logic board failure is a common problem in spite of what Ten Tec says
>
>

9855. Sup Orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-14 18:40:00 UTC
From: alanzaur
Topic: 9855 Message: 9855

http://danismakistiyorum.com/wp-content/welcome.php?fnhfuaazcr667wr

alanzaur@...
alanzaur
****

Sat, 14 Dec 2013 18:40:00

9856. RE: Sup Orion565

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-14 20:40:43 UTC
From: <saukp@...>
Topic: 9855 Message: 9856

DANGER DANGER

Infected website

K3SF Paul

9857. RE: [orion565] The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-15 02:18:36 UTC
From: w4my@...
Topic: 9842 Message: 9857

John:

That's bad news, I'm sorry that happened to you. I have an Eagle too, you will like it, but its not an O2.

I bought my O2 new in Feb 2012. Kinda scares me if I got the same production run of logic board. I wonder if I should buy an extra logic board for a spare (while they still have them) so I can put it in myself when mine goes because of an "unexplained external problem"

Dang, with it only being 8 months outside the warrantee, wouldn't they split the cost with you? Done the labor for no charge? Something so that you didn't loose your O2?! In the absence of a clear external causes wouldn't they give you the benefit of the doubt?

I hear all the time what great service TT has. Well, these things I mentioned above are what companies with great service do.

Marty / W4MY

-----Original Message-----
From: wolfmanjack@...
Sent: Friday, December 13, 2013 1:11pm
To: orion565@yahoogroups.com
Subject: [orion565] The final verdict on my DOA Orion II

Ten Tec service relayed the bad news to me yesterday; failed logic board, a $600+ repair bill including parts and labor. Ouch. My Orion II was purchased new March of 2012, so a bit of a shock. Nonetheless, that's the bad news.

The good news is I worked out a very reasonable trade with Ten Tec on a new Eagle 599AT, NB, and 300hz CW filter...and no out of pocket cost. I won't have the Orion II but I pick up a brand new rig that I have been very anxious to play with. And along with my Kenwood TS-990S, I should be set!

Thanks to all that helped me to try to fix the Orion II. But it wasn't the battery and it wasn't bad caps on the power supply board.

73 John K7FD

9858. Re: [orion565] The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-15 02:59:00 UTC
From: K7FD
Topic: 9842 Message: 9858

Well I was hoping for spirit of the season to help, too...but, alas, no cigar, hi.

Nonetheless, the Eagle will fill a spot here in the shack that is more suited to a smaller footprint. My main rig is a TS-990S, so desk space has become scarce...

I had been wondering if I really needed two high-end rigs, so the Eagle had been on my mind. The Orion II repair just sort of forced the issue. And I was happy to have the convenience being able to trade right then and there. I do appreciate the fact that Ten Tec takes trade-in's on their gear and I felt the trade-in allowance offered by Stan and Robert was very reasonable. It saved me time and the hassle of selling, insuring, and shipping.

Still, your point of some level of adjustment on the repair cost is well taken but in my case was not offered by Ten Tec service. When that did not happen, I decided to go for the Eagle.

Ten Tec has been good to me over the years; let's hope they continue to produce great radios!

73 John K7FD

> On Dec 14, 2013, at 6:18 PM, w4my@...m wrote:
>
> John:
>
> That's bad news, I'm sorry that happened to you. I have an Eagle too, you will like it, but its not an O2.
>
> I bought my O2 new in Feb 2012. Kinda scares me if I got the same production run of logic board. I wonder if I should buy an extra logic board for a spare (while they still have them) so I can put it in myself when mine goes because of an "unexplained external problem"
>
> Dang, with it only being 8 months outside the warrantee, wouldn't they split the cost with you? Done the labor for no charge? Something so that you didn't loose your O2?! In the absence of a clear external causes wouldn't they give you the benefit of the doubt?
>
> I hear all the time what great service TT has. Well, these things I mentioned above are what companies with great service do.
>
> Marty / W4MY
>
> -----Original Message-----
> From: wolfmanjack@...
> Sent: Friday, December 13, 2013 1:11pm
> To: orion565@yahoogroups.com
> Subject: [orion565] The final verdict on my DOA Orion II
>

> Ten Tec service relayed the bad news to me yesterday; failed logic board, a $600+ repair bill including parts and labor. Ouch. My Orion II was purchased new March of 2012, so a bit of a shock. Nonetheless, that's the bad news.
>
> The good news is I worked out a very reasonable trade with Ten Tec on a new Eagle 599AT, NB, and 300hz CW filter...and no out of pocket cost. I won't have the Orion II but I pick up a brand new rig that I have been very anxious to play with. And along with my Kenwood TS-990S, I should be set!
>
> Thanks to all that helped me to try to fix the Orion II. But it wasn't the battery and it wasn't bad caps on the power supply board.
>
> 73 John K7FD
>
>

9859. Re: [orion565] The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-15 10:10:41 UTC
From: Sam W Jacobs CET
Topic: 9842 Message: 9859

I had a Sync Board fail within the last 6 months, no explanation from T*T, only that it was not covered under warranty and the new board / install / etc. was well over $600. This will be the LAST high dollar repair I put into my O2. After that it will be the newer Kenwood, Yaesu or possibly the ICOM 7600/7700 series radios.

I NEVER expected T*T to pull the O2 from production this quick.

73 !

Sam
K3SAM

From: John <wolfmanjack@...>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Sent: Friday, December 13, 2013 2:13 PM
Subject: Re: [orion565] The final verdict on my DOA Orion II

No, but I didn't ask since I ended up talking with sales, hi. Nonetheless, that would be helpful to know and I will send this along to Paul at Ten Tec service...

Will let you know what I find out...

John

On Dec 13, 2013, at 10:43 AM, Rod Greene <w7zrc@...> wrote:

>John,
>
>Any explanation from the factory as to why the logic board went south?
>
>73, Rod w7zrc
>
>
>
>
>
>
>
>_____
> From: "wolfmanjack@charter.net" <wolfmanjack@...>
>To: orion565@yahoogroups.com
>Sent: Friday, December 13, 2013 11:11 AM
>Subject: [orion565] The final verdict on my DOA Orion II
>
>
>
>

>Ten Tec service relayed the bad news to me yesterday; failed logic board, a $600+ repair bill including parts and labor. Ouch. My Orion II was purchased new March of 2012, so a bit of a shock. Nonetheless, that's the bad news.
>
>The good news is I worked out a very reasonable trade with Ten Tec on a new Eagle 599AT, NB, and 300hz CW filter...and no out of pocket cost. I won't have the Orion II but I pick up a brand new rig that I have been very anxious to play with. And along with my Kenwood TS-990S, I should be set!
>
>Thanks to all that helped me to try to fix the Orion II. But it wasn't the battery and it wasn't bad caps on the power supply board.
>
>73 John K7FD
>
>

9860. Re: [orion565] The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-15 14:02:24 UTC
From: Arek Tarniowy
Topic: 9842 Message: 9860

I don't know why Ten-Tec is not trying to fix the bad logic board? This can be bad component for let's say $10 . Why they just offering new board? They don't have any good technician to troubleshoot on components level?
I have similar problem with Orion 1. The synthesizer board an logic board were bad. I spent $40 for parts to fix it (bad 8v voltage stabilizer , 1 smd capacitor and one more chip (I don't remember the number now but I can find it).
So I strongly recommend to try to fix the board first.
Thanks
Arek AC2FC

Sent from my iPhone

On Dec 13, 2013, at 1:11 PM, <wolfmanjack@charter.net> wrote:

> Ten Tec service relayed the bad news to me yesterday; failed logic board, a $600+ repair bill including parts and labor. Ouch. My Orion II was purchased new March of 2012, so a bit of a shock. Nonetheless, that's the bad news.
>
> The good news is I worked out a very reasonable trade with Ten Tec on a new Eagle 599AT, NB, and 300hz CW filter...and no out of pocket cost. I won't have the Orion II but I pick up a brand new rig that I have been very anxious to play with. And along with my Kenwood TS-990S, I should be set!
>
> Thanks to all that helped me to try to fix the Orion II. But it wasn't the battery and it wasn't bad caps on the power supply board.
>
> 73 John K7FD
>
>

9861. Re: [orion565] The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-15 14:16:17 UTC
From: alan corin
Topic: 9842 Message: 9861

The service manager at Ten Tec is not being truthful about the Orion logic board problems
.

On Sunday, December 15, 2013 5:10 AM, Sam W Jacobs CET <Sam@...> wrote:

I had a Sync Board fail within the last 6 months, no explanation from T*T, only that it was not covered under warranty and the new board / install / etc. was well over $600. This will be the LAST high dollar repair I put into my O2. After that it will be the newer Kenwood, Yaesu or possibly the ICOM 7600/7700 series radios.

I NEVER expected T*T to pull the O2 from production this quick.

73 !

Sam
K3SAM

From: John <wolfmanjack@...>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Sent: Friday, December 13, 2013 2:13 PM
Subject: Re: [orion565] The final verdict on my DOA Orion II

No, but I didn't ask since I ended up talking with sales, hi. Nonetheless, that would be helpful to know and I will send this along to Paul at Ten Tec service...

Will let you know what I find out...

John

On Dec 13, 2013, at 10:43 AM, Rod Greene <w7zrc@yahoo.com> wrote:

>John,
>
>Any explanation from the factory as to why the logic board went south?
>
>73, Rod w7zrc
>
>
>
>
>
>
>
>_____
> From: "wolfmanjack@..." <wolfmanjack@...>
>To: orion565@yahoogroups.com
>Sent: Friday, December 13, 2013 11:11 AM
>Subject: [orion565] The final verdict on my DOA Orion II

>
>
>
>
>Ten Tec service relayed the bad news to me yesterday; failed logic board, a $600+ repair bill including parts and labor. Ouch. My Orion II was purchased new March of 2012, so a bit of a shock. Nonetheless, that's the bad news.
>
>The good news is I worked out a very reasonable trade with Ten Tec on a new Eagle 599AT, NB, and 300hz CW filter...and no out of pocket cost. I won't have the Orion II but I pick up a brand new rig that I have been very anxious to play with. And along with my Kenwood TS-990S, I should be set!
>
>Thanks to all that helped me to try to fix the Orion II. But it wasn't the battery and it wasn't bad caps on the power supply board.
>
>73 John K7FD
>
>

9862. Re: [orion565] The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-15 19:40:24 UTC
From: Barry N1EU
Topic: 9842 Message: 9862

As a courtesy, everyone should sign their emails with a callsign IMHO.

73, Barry N1EU

On Sun, Dec 15, 2013 at 2:16 PM, alan corin <nizac712590@...> wrote:

>
>
> The service manager at Ten Tec is not being truthful about the Orion
> logic board problems .
>
>
>

9863. Re: [orion565] The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-15 20:26:24 UTC
From: w4my@...
Topic: 9842 Message: 9863

I responded to a bench tech job posting TT within the last 2 years. Pay was $10/hr. I did not pursue it any further. I don't know the techs there now, so no disrespect is intended, but this explains allot.

Someone independent setting up shop to repair TT gear might do well. At the rate TT is going, that may be the only option at some point in the future.

Marty / W4MY

-----Original Message-----
From: "Arek Tarniowy" <tarniowy@...>
Sent: Sunday, December 15, 2013 9:02am
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Cc: "<orion565@yahoogroups.com>" <orion565@yahoogroups.com>
Subject: Re: [orion565] The final verdict on my DOA Orion II

I don't know why Ten-Tec is not trying to fix the bad logic board? This can be bad component for let's say $10 . Why they just offering new board? They don't have any good technician to troubleshoot on components level?
I have similar problem with Orion 1. The synthesizer board an logic board were bad. I spent $40 for parts to fix it (bad 8v voltage stabilizer , 1 smd capacitor and one more chip (I don't remember the number now but I can find it).
So I strongly recommend to try to fix the board first.
Thanks
Arek AC2FC

Sent from my iPhone

On Dec 13, 2013, at 1:11 PM, <wolfmanjack@...> wrote:

> Ten Tec service relayed the bad news to me yesterday; failed logic board, a $600+ repair bill including parts and labor. Ouch. My Orion II was purchased new March of 2012, so a bit of a shock. Nonetheless, that's the bad news.
>
> The good news is I worked out a very reasonable trade with Ten Tec on a new Eagle 599AT, NB, and 300hz CW filter...and no out of pocket cost. I won't have the Orion II but I pick up a brand new rig that I have been very anxious to play with. And along with my Kenwood TS-990S, I should be set!
>
> Thanks to all that helped me to try to fix the Orion II. But it wasn't the battery and it wasn't bad caps on the power supply board.
>
> 73 John K7FD
>
>

9864. Re: [orion565] The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-15 21:27:58 UTC
From: alan corin
Topic: 9842 Message: 9864

They dont have the manpower to componant test the board.They would rather you spend $600 for a new one .They have 1 tech fixing Orions I think its Paul.This company looks in bad shape

On Sunday, December 15, 2013 3:26 PM, "w4my@..." <w4my@...> wrote:

I responded to a bench tech job posting TT within the last 2 years. Pay was $10/hr. I did not pursue it any further. I don't know the techs there now, so no disrespect is intended, but this explains allot.

Someone independent setting up shop to repair TT gear might do well. At the rate TT is going, that may be the only option at some point in the future.

Marty / W4MY

-----Original Message-----
From: "Arek Tarniowy" <tarniowy@...>
Sent: Sunday, December 15, 2013 9:02am
To: "orion565@yahoogroups.com" <orion565@...m>
Cc: "<orion565@yahoogroups.com>" <orion565@yahoogroups.com>
Subject: Re: [orion565] The final verdict on my DOA Orion II

I don't know why Ten-Tec is not trying to fix the bad logic board? This can be bad component for let's say $10 . Why they just offering new board? They don't have any good technician to troubleshoot on components level?
I have similar problem with Orion 1. The synthesizer board an logic board were bad. I spent $40 for parts to fix it (bad 8v voltage stabilizer , 1 smd capacitor and one more chip (I don't remember the number now but I can find it).
So I strongly recommend to try to fix the board first.
Thanks
Arek AC2FC

Sent from my iPhone

On Dec 13, 2013, at 1:11 PM, <wolfmanjack@...> wrote:

> Ten Tec service relayed the bad news to me yesterday; failed logic board, a $600+ repair bill including parts and labor. Ouch. My Orion II was purchased new March of 2012, so a bit of a shock. Nonetheless, that's the bad news.
>
> The good news is I worked out a very reasonable trade with Ten Tec on a new Eagle 599AT, NB, and 300hz CW filter...and no out of pocket cost. I won't have the Orion II but I pick up a brand new rig that I have been very anxious to play with. And along with my Kenwood TS-990S, I should be set!
>
> Thanks to all that helped me to try to fix the Orion II. But it wasn't the battery and it wasn't bad caps on the power supply board.

>
> 73 John K7FD
>
>

9865. Re: [orion565] The final verdict on my DOA Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-15 23:08:42 UTC
From: Barry N1EU
Topic: 9842 Message: 9865

Never mind - I now realize you're Alan WA2AC who had a 565 logic board failure a year ago and obviously an unhappy camper.

73, Barry N1EU

On Sun, Dec 15, 2013 at 7:40 PM, Barry N1EU <barry.n1eu@...> wrote:

> As a courtesy, everyone should sign their emails with a callsign IMHO.
>
> 73, Barry N1EU
>
>
>
> On Sun, Dec 15, 2013 at 2:16 PM, alan corin <nizac712590@...> wrote:
>
>>
>>
>> The service manager at Ten Tec is not being truthful about the Orion
>> logic board problems .
>>
>>
>>
>>
>

9866. Orion II for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-16 02:30:04 UTC
From: Richard Cash, W4WU
Topic: 9842 Message: 9866

I have decided to sell my Orion II station. It is in excellent condition with the following: external keypad, LP-Pan system, all internal filters except 300Hz, internal factory tuner, 307B external speaker, original shipping box which is a little rough, manuals. Works great. Also have Centurion for sale in separate ad. You will not be disappointed with this Orion II. It is in excellent, almost mint, condition. Paypal if you pay fees. $3295 plus shipping.

9868. Re: [orion565] Service Manual Fot Orion II???

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-16 10:22:53 UTC
From: Barry N1EU
Topic: 9867 Message: 9868

No, it doesn't exist John.

73, Barry N1EU

On Mon, Dec 16, 2013 at 5:13 AM, <kc2qma@...> wrote:

>
>
> Is a service manual for the Orion II in a PDF? I have all of the manuals
> from the ten tec site but I would like the service manual with the complete
> alignment info.
>
> Does this exist?
>
>
> 73' KC2QMA
>
> John
>
>
>

9869. Re: [orion565] Service Manual Fot Orion II???

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-17 06:34:56 UTC
From: <kc2qma@...>
Topic: 9867 Message: 9869

Oh well I guess it's nice to dream.....

9870. Re: [orion565] Service Manual Fot Orion II???

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-17 09:55:59 UTC
From: Barry N1EU
Topic: 9867 Message: 9870

Whenever I hear of a service tip, I try to add it to the Orion section of tentecwiki.org

73, Barry N1EU

On Tue, Dec 17, 2013 at 6:34 AM, <kc2qma@comcast.net> wrote:

>
>
> Oh well I guess it's nice to dream.....
>
>
>

9871. Re[2]: [orion565] Service Manual Fot Orion II???

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-17 09:59:21 UTC
From: Chris Wilson
Topic: 9867 Message: 9871

Hello Barry,

Tuesday, December 17, 2013, 9:55:59 AM, you wrote:

> Whenever I hear of a service tip, I try to add it to the Orion section of tentecwiki.org

> 73, Barry N1EU

Can owners purchase any form of service mnual for these rigs? Thanks.

--
Best regards,
Chris mailto:chris@...

9872. Re: Re[2]: [orion565] Service Manual Fot Orion II???

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-17 10:07:05 UTC
From: Barry N1EU
Topic: 9867 Message: 9872

Chris, read back from the beginning of the thread

http://groups.yahoo.com/neo/groups/orion565/conversations/topics/9867

Service info was included in all Ten-Tec transceiver manuals before the
Orion, but not after.

73, Barry N1EU

On Tue, Dec 17, 2013 at 9:59 AM, Chris Wilson <chris@chriswilson.tv> wrote:

>
>
> Hello Barry,
>
>
> Tuesday, December 17, 2013, 9:55:59 AM, you wrote:
>
> > Whenever I hear of a service tip, I try to add it to the Orion section
> of tentecwiki.org
>
> > 73, Barry N1EU
>
> Can owners purchase any form of service mnual for these rigs? Thanks.
>
> --
> Best regards,
> Chris mailto:chris@...
>
>
>

9873. Re[4]: [orion565] Service Manual Fot Orion II???

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-17 10:16:00 UTC
From: Chris Wilson
Topic: 9867 Message: 9873

Hello Barry,

Tuesday, December 17, 2013, 10:07:05 AM, you wrote:

> Chris, read back from the beginning of the thread

> http://groups.yahoo.com/neo/groups/orion565/conversations/topics/9867
>

> Service info was included in all Ten-Tec transceiver manuals before the Orion, but not after.

> 73, Barry N1EU

I have re read the thread, my confusion is the original poster asks if the manual is available as a .pdf file. I read that the answer is no, it's not, but I was wanting to know if I could buy a proper paper manual for it. So no service information is available at all from Ten Tec to an end user? Thanks Barry, and all the best for Christmas and the New Year.
--
Best regards,
Chris mailto:chris@...

9874. Re: Re[4]: [orion565] Service Manual Fot Orion II???

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-17 10:53:10 UTC
From: Barry N1EU
Topic: 9867 Message: 9874

Chris, Ten-Tec has never sold a service manual of any form. It may be possible to email or phone Ten-Tec and receive specific Orion service information. (if anybody does receive info, please share it)

73 & Happy Holidays,
Barry N1EU

On Tue, Dec 17, 2013 at 10:16 AM, Chris Wilson <chris@chriswilson.tv> wrote:

>
>
> Hello Barry,
>
>
> Tuesday, December 17, 2013, 10:07:05 AM, you wrote:
>
> > Chris, read back from the beginning of the thread
>
> > http://groups.yahoo.com/neo/groups/orion565/conversations/topics/9867
> >
>
> > Service info was included in all Ten-Tec transceiver manuals before the
> Orion, but not after.
>
> > 73, Barry N1EU
>
> I have re read the thread, my confusion is the original poster asks if
> the manual is available as a .pdf file. I read that the answer is no,
> it's not, but I was wanting to know if I could buy a proper paper
> manual for it. So no service information is available at all from Ten
> Tec to an end user? Thanks Barry, and all the best for Christmas and the
> New Year.
>
> --
> Best regards,
> Chris mailto:chris@...
>
>
>

9875. Re[6]: [orion565] Service Manual Fot Orion II???

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-17 11:13:04 UTC
From: Chris Wilson
Topic: 9867 Message: 9875

Hello Barry,

Tuesday, December 17, 2013, 10:53:10 AM, you wrote:

> Chris, Ten-Tec has never sold a service manual of any form. It may
> be possible to email or phone Ten-Tec and receive specific Orion
> service information. (if anybody does receive info, please share it)
>
> 73 & Happy Holidays,
> Barry N1EU

Thanks Barry, I have never purchased a Ten Tec product, so wasn't aware the owner couldn't access service information for the Orion. Do owners not find this restrictive? I fear it has put me off the idea of one, I wonder why they took this step with the rig? Do you have access to full schematics?

--
Best regards,
Chris mailto:chris@...

9876. What SigalLink Cable to Order???

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-28 00:39:42 UTC
From: <mleary2001@...>
Topic: 9876 Message: 9876

I want to order a SigalLink USB external sound card, but I am not 100% sure what cable I should order. I believe I should get the 4-pin round mic connection, since my Orion 565 has a 4-pin round mic socket.

Am I on the correct path?

Thanks in advance,

Mike K7MSO

9877. Re: [orion565] What SigalLink Cable to Order???

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-28 07:54:42 UTC
From: Peter Frenning [OZ1PIF]
Topic: 9876 Message: 9877

Den 28-12-2013 01:39, mleary2001@... skrev:

I want to order a SigalLink USB external sound card, but I am not 100% sure what cable I should order.? I believe I should get the 4-pin round mic connection, since my Orion 565 has a 4-pin round mic socket.

Am I on the correct path?

Thanks in advance,

Mike K7MSO

No, you're not Mike. You should connect it to the AUX I/O connector on the back (8-pin DIN).
See my homepage for details: http://www.frenning.dk/OZ1PIF_HOMEPAGE/SignaLinkUSB-mods.html
DIY is the way to go here...

Happy New Year and happy tinkering.

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** If at first you don't succeed, try **
** doing it the way your wife told you! **
** **
** -- Unknown **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239/ +45 2332 9464
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

9878. Re: [orion565] What SigalLink Cable to Order???

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-28 12:27:39 UTC
From: Michael Jones
Topic: 9876 Message: 9878

http://shop.tigertronics.com/Extra-Radio-Cable-p-n-SLCAB8PD-SLCAB8PD.htm

On Saturday, December 28, 2013 2:54 AM, Peter Frenning [OZ1PIF] <peter@frenning.dk> wrote:

Den 28-12-2013 01:39, mleary2001@... skrev:

I want to order a SigalLink USB external sound card, but I am not 100% sure what cable I should order. I believe I should get the 4-pin round mic connection, since my Orion 565 has a 4-pin round mic socket.
>
>Am I on the correct path?
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No, you're not Mike. You should connect it to the AUX I/O connector on the back (8-pin DIN).
See my homepage for details: http://www.frenning.dk/OZ1PIF_HOMEPAGE/SignaLinkUSB-mods.html
DIY is the way to go here...

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Vy 73 de OZ1PIF/5Q2M, Peter **
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** -- Unknown **
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email: peter(no-spam filler)@... http://www.frenning.dk/oz1pif.htm Ph. +45 4619 3239/ +45 2332 9464
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

9879. Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-31 23:29:12 UTC
From: n9aop2000
Topic: 645 Message: 9879

Hi Guys,
I am trying to decide whether to keep or sell this radio. I really do like it and it has never given me any trouble. Are the chances good that this rig will continue to perform? Having TenTec willing to repair their products is definitely an asset but if the repair is in the six to eight hundred dollar range than that is an appreciable amount compared to the purchase price of the radio.

Do you think that TenTec really had a parts problem and that is why the O2 was discontinued or do you think that they just chose not to compete in this price class at this time.

Art

9880. Station for sale

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-31 23:46:10 UTC
From: Richard Cash, W4WU
Topic: 645 Message: 9880

I’m trying to thin the fleet some. I have for sale an Orion II 566AT, matching speaker, remote tuning pod and Centurion amp for sale. All for $5000 plus any shipping. Would be great if could pickup in upstate SC. Will be willing to travel up to 150 miles, too. The equipment is in excellent condition and in current, casual use. The amp has been recently upgraded at TenTec with new tubes, QSK board, etc. I will send more details to seriously interested. The amp is a “B” or black model and matches the Orion II.
Thanks and 73 to the group
Dick W4WU

9881. RE: Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-31 23:50:16 UTC
From: <k7txo@...>
Topic: 645 Message: 9881

The DSP Processor chip is no longer available and nothing you can just put in place easily.

Gene / K7TXO

9882. Re: [orion565] Orion II

Yahoo group: orion565 (2009 — 2013)
Date: 2013-12-31 23:56:17 UTC
From: Barry N1EU
Topic: 645 Message: 9882

Art, if you like the radio, keep it. That's my $.02 in a nutshell. I'm not a worrywart.

Besides, if you sold the O2 for $3K, what would you buy?

73 & Happy New Year,
Barry N1EU

On Tue, Dec 31, 2013 at 6:29 PM, n9aop2000 <avidmar@...> wrote:

>
>
> Hi Guys,
> I am trying to decide whether to keep or sell this radio. I really do like
> it and it has never given me any trouble. Are the chances good that this
> rig will continue to perform? Having TenTec willing to repair their
> products is definitely an asset but if the repair is in the six to eight
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> purchase price of the radio.
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> Do you think that TenTec really had a parts problem and that is why the O2
> was discontinued or do you think that they just chose not to compete in
> this price class at this time.
>
> Art
>
>
>